

● EN545 Ductile iron pipe & fittings



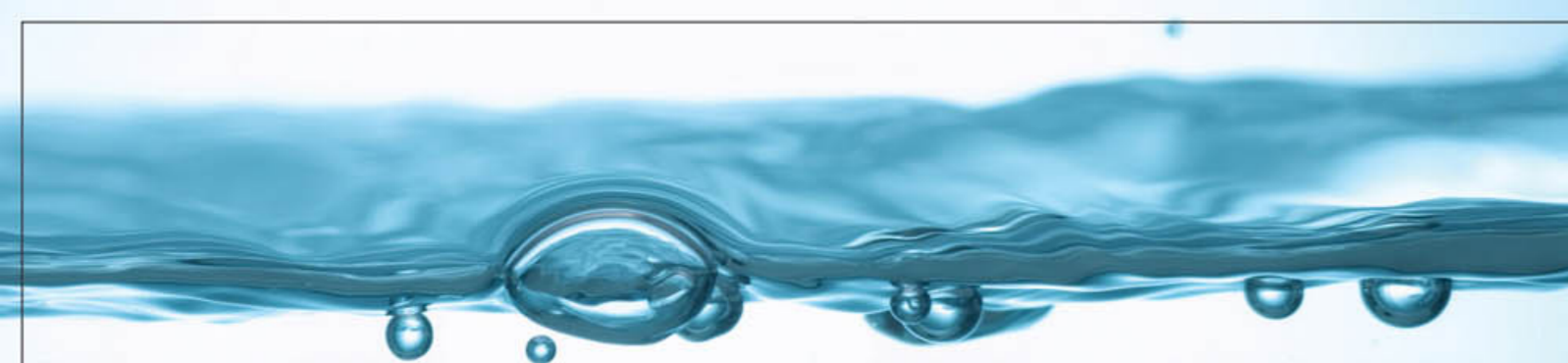
青岛沃德管道配件有限公司
VORTEX QINGDAO CO., LTD.

Add: North Industry Park of Jimo, Qingdao, CHINA
Tel: +86-532-55578835 55578836
Fax: +86-532-55578829
Http://www.vortex-pipefitting.cn
E-mail: info@vortex-pipefitting.cn



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公司简介 INTRODUCTION

VORTEX QINGDAO CO., LTD. as a large and professional manufacturing group which is located in Shandong, our main products are Ductile Iron pipes and fittings for drinking water and sewage pipeline. Annual capacity is about 9000 tons. The typical products are as below:

1) Ductile casting iron pipe and fittings(Diameter from DN80 to DN2000mm), including Socket bend, Flanged bend, Socket and Flanged Tee, Flanged socket, Socket taper, blank flanges, as well as **K9 welding flanged pipes**. All of them are according to ISO2531/EN545/EN598 and PN10/PN16/PN25/PN40.

2) Flanged adaptor, coupling, dismantling joints and other Viking Johnson type' s fittings. (DN80-300 Flanged adapter &coupling are wide range design and both PN10/16).

For surface treatment, besides Epoxy Resin Powder Coated and cement/bitumen, so far we are the few producer of supplying pipe fittings with Rilsan Nylon coated process in China.

3) GGG50 ductile iron fittings for PVC pipe by standard EN12842, Size OD63-OD630, Epoxy powder coating in surface and with EPDM gasket rubber ring.

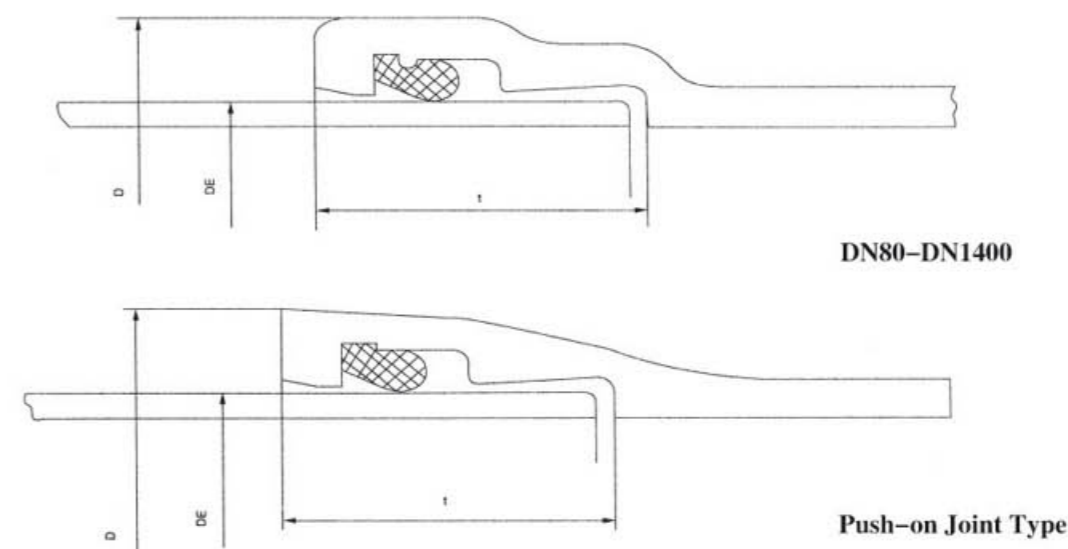
4) Loose flange pipe fittings, DN50-600, according to ISO2531/EN545 and PN10/PN16.

6) Our casting process: Resin sand moulds casting production line(equipments are importing from Italy IMF), which ensured the size precision and surface quality of casting. Cupola-electric furnace double process is applied to melting system. Before pouring, the quality of raw molten iron and nodularized molten iron is ensured by computer-control rapid analyzer.

5) Our market: Europe, USA, Asia, Middle-East, Africa, and South-America.



Ductile Iron Pipe with Tyton Joint (K9 class with 6m effective length)



Nominal Diameter DN(mm)	DE	D	t	e	Cement lining thickness	kg/m	Socket(kg)	Total weight(kg)
80	98	142	84	6.0	3.5	12.2	3.4	77
100	118	163	88	6.1	3.5	15.1	4.3	95
125	144	190	90	6.2	3.5	18.9	5.7	119
150	170	217	94	6.3	3.5	22.8	7.1	144
200	222	278	100	6.4	3.5	30.6	10.3	194
250	274	336	105	6.8	3.5	40.2	14.2	255
300	326	393	110	7.2	3.5	50.8	18.9	323
350	378	448	110	7.7	5.0	63.2	23.7	403
400	429	500	110	8.1	5.0	75.5	29.5	482
450	480	540	120	8.6	5.0	89.7	38.3	577
500	532	604	120	9.0	5.0	104.3	42.8	669
600	635	713	120	9.9	5.0	137.3	59.3	883
700	738	824	150	10.8	6.0	173.9	79.1	1123
800	842	943	160	11.7	6.0	215.2	102.6	1394
900	945	1052	175	12.6	6.0	260.2	129.0	1691
1000	1048	1158	185	13.5	6.0	309.3	161.3	2017
1100	1152	1267	200	14.5	6.0	362.8	194.7	2372
1200	1255	1377	215	15.3	6.0	420.1	237.7	2758
1400	1462	1632	239	17.1	9.0	547.2	385.3	3669
1500	1565	1710	247	18.0	9.0	616.7	474.7	4175
1600	1668	1850	265	18.9	9.0	690.3	526.0	4668
1800	1875	2049	275	20.7	9.0	851.1	490.6	5591
2000	2082	2231	285	22.5	9.0	1026.3	626.4	6784

Mechanical Properties of Ductile Iron Pipes and Fittings

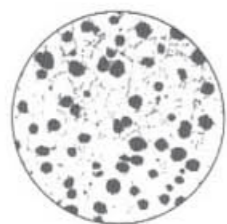
	Ductile Iron Pipe		Ductile Iron Fitting
	DN80--1000	DN1100--2600	
Tensile Strength	Min. 420 N/mm ²		Min. 420 N/mm ²
Elongation	Min. 10%	Min. 7%	Min. 5%
Yield Strength	Min. 300 N/mm ²		Min. 300 N/mm ²
Hardness	MAX. 230HB		MAX. 250HB
Density	7.05ton/m ³		7.05ton/m ³

Hydrostatic Testing Standard

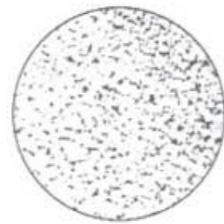
Nominal Diameter	Test pressure (Bar) ≥ 15second		
	Ductile Iron Pipe(k9)	Ductile Iron Pipe (C class)	Ductile Iron Fitting
80-300	50	C40	25
350-600	40	C30	16
700-1000	32	C25	10
1100-1200	25	-	10
1400-1600	25	-	10
1800-2000	25	-	10
2100-2600	18	-	10

Internal and External Protection

	Ductile Iron Pipe	Ductile Iron Fitting
Internal	Portland Cement Mortar Lining/ISO4179	Portland Cement Mortar Lining/ISO4179
	"Sulfate resistant cement"	"Sulfate resistant cement"
	Fusion bonded epoxy (FBE)	Fusion bonded epoxy (FBE)
	Polyurethane (PU)	Polyurethane (PU)
	High Aluminium Cement/EN598	High Aluminium Cement/EN598
External	Black Bitumen Painting(AVE.70um)	Black Bitumen Painting(AVE.70um)
	Metallic Zinc/ISO8179(130g/m ²)	Metallic Zinc/ISO8179(130g/m ²)
	Fusion bonded epoxy (FBE)	Fusion bonded epoxy (FBE)
	Red epoxy seal coating/EN598	Red epoxy seal coating/EN598
	PE sleeve	PE sleeve



DUCTILE IRON



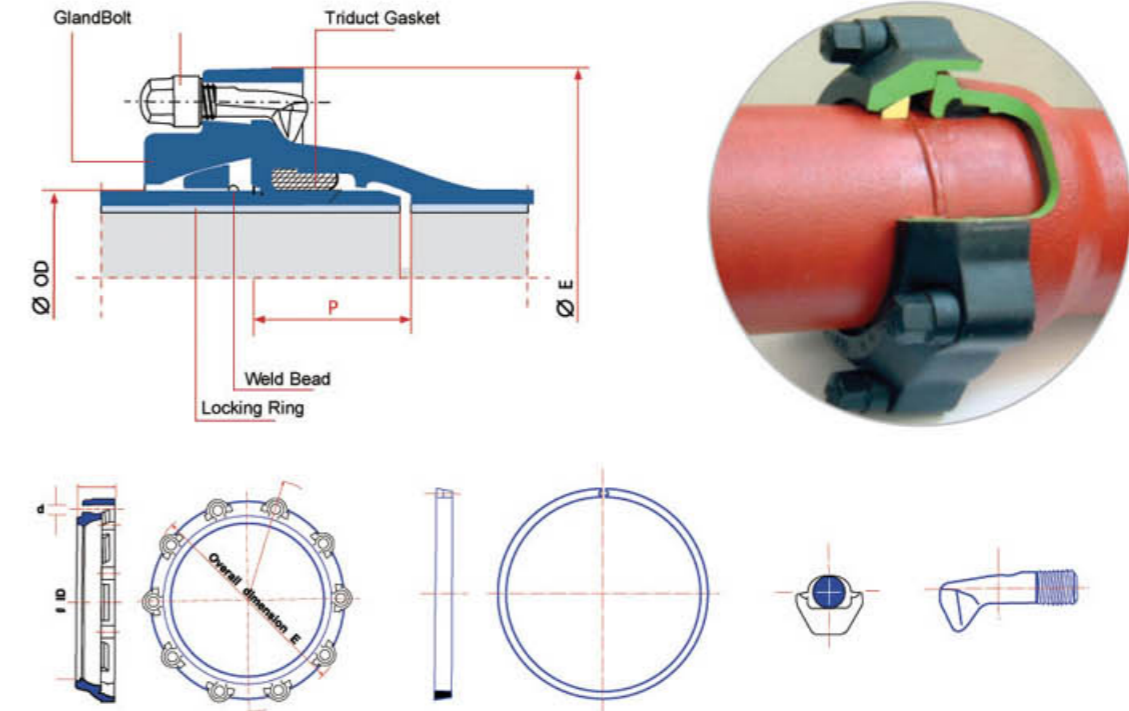
STEEL



GREY IRON

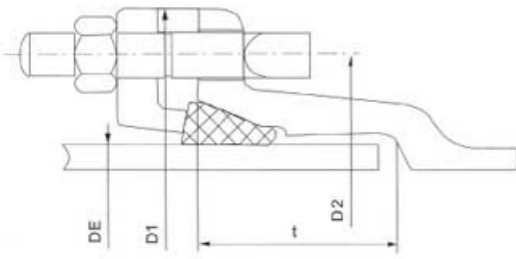
Ductile Iron Pipe with Lock/Restrained Joint
(TF type Self-anchored Joint)

- Weld bead executed at the works and located at the spigot end of the pipe.
- A circular split locking ring, with a convex spherical shape on the outside, and having a roughly trapezoidal section. This ring rests against the weld bead.
- A special gland which locks the split ring. This gland is equipped with bolts which grip the socket rim and lock the joint.



Nominal diameter DN	OD mm	P mm	E mm	Bolt		Masses				
				Number	Size mm	Gland kg	Ring kg	Gasket		Per bolt kg
								standard(kg)	triduct(kg)	
80	98	84	234	4	M22 × 70	3.5	0.55	0.14	0.140	0.35
100	118	88	255	4		4.8	0.48	0.20	0.165	
125	144	91	285	6		7.9	0.68	0.24	0.200	
150	170	94	311	6		7.5	0.93	0.29	0.235	
200	222	100	364	8		9.5	1.50	0.38	0.390	
250	274	105	457	6	M22 × 102	21.0	2.80	0.50	0.510	0.75
300	326	110	516	8		28.0	3.70	0.71	0.715	
350	378	110	570	8		28.5	4.50	0.90	0.830	
400	429	110	618	10		36.0	4.50	1.10	1.150	
450	480	120	671	14		41.0	5.50	1.32	1.300	
500	532	120	734	16		58.0	6.70	1.54	1.700	
600	635	120	840	20		63.5	9.60	2.16	2.400	
700	738	150	958	24	109.0	14.60	2.87	3.500	0.92	
800	842	160	1069	30	115.0	11.20	-	4.900		
900	945	175	1178	30	150.0	13.60	-	6.200		
1000	1048	185	1286	30	188.0	15.30	-	7.800		

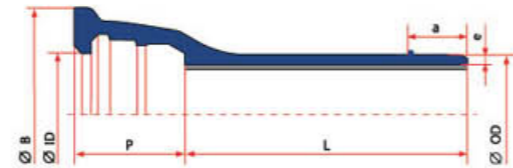
Ductile Iron Pipe with Mechanical Joint(K type)



Nominal Diameter DN	mm					Hole Size x No.	Gland Mass (kg)
	DE	D2	D1	t			
80	98	+1/-2.8	168	205	80	M18x4	4.1
100	118	+1/-2.8	188	234	80	M23x4	5.7
150	170	+1/-2.9	242	288	80	M23x6	7.5
200	222	+1/-3	295	341	80	M23x6	9.5
250	274	+1/-3.1	349	395	80	M23x8	12.2
300	326	+1/-3.3	409	455	110	M23x8	14.6
350	378	+1/-3.4	462	508	110	M23x10	17.2
400	429	+1/-3.5	515	561	110	M23x12	22.9
450	480	+1/-3.6	568	614	110	M23x12	28.5
500	532	+1/-3.8	621	667	110	M23x14	38.6
600	635	+1/-4	727	773	110	M23x14	47.4
700	738	+1/-4.2	838	892	120	M27x16	61.9
800	842	+1/-4.5	942	999	120	M27x20	63.8
900	945	+1/-4.8	1057	1123	120	M33x20	68.5
1000	1048	+1/-5	1160	1231	130	M33x20	82.5
1200	1255	+1/-5.5	1378	1444	130	M33x28	104
1400	1462	+1/-6	1591	1657	130	M33x28	119
1600	1668	+1/-8	1808	1874	160	M33x30	123
1800	1675	+1/-9	2023	2089	170	M33x34	162
2000	2082	+1/-10	2239	2305	180	M33x36	196

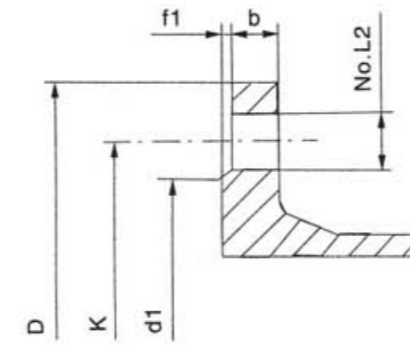
Locked Standard Push-on Pipes

Locked pipe can be supplied with full-restrained joint accessories (glands,rings, bolts and nuts).



Ductile Iron Pipe (K9) Locked Joint Dimension

Nominal diameter DN	Average effective length L m	Barrel		Socket		Spigot a mm	Average mass		
		e mm	OD mm	ID mm	P mm		B mm	L: 6m kg	L:1m kg
100	6	6	118	121	92	189	90	109	18.5
150	6	6	170	173	98	243	95	164	27.5
200	6	6.3	222	225	104	296	100	222	37
250	6	6.8	274	277	104	353	110	290	48
300	6	7.2	326	329	105	410	115	364	61
350	6	7.7	378	381	108	465	114	482	80.5
400	6	8.1	429	432	110	517	113	573	95.5
500	6	9	532	535	115	630	125	781	131
600	6	9.9	635	638	120	739	135	1018	170
800	6	11.7	842	845	145	974	165	1613	269



PN10 Flange

法兰盘尺寸 Dimensions of Flange

NOTE: Bolt holes shall be arranged symmetrically about the horizontal centerline through the flange faces.
In the case of tees, this horizontal centerline is defined with the face of the branch flange held parallel to the vertical plane.

Nominal Diameter DN	d1	D	b	f1	K	L2	Bolt		Mass(kg)
							Size	No.	
80	132	200	16.0	3	160	19	M16	8	2.9
100	156	220	16.0	3	180	19	M16	8	3.3
150	211	285	16.0	3	240	23	M20	8	5.1
200	266	340	17.0	3	295	23	M20	8	7.1
250	319	400	19.0	3	350	23	M20	12	9.8
300	370	455	20.5	4	400	23	M20	12	12.9
350	429	505	20.5	4	460	23	M20	16	14.7
400	480	565	20.5	4	515	28	M24	16	17.7
450	530	615	21.5	4	565	28	M24	20	20.2
500	582	670	22.5	4	620	28	M24	20	24.3
600	682	780	25.0	5	725	31	M27	20	33.7
700	794	895	27.5	5	840	31	M27	24	46.3
800	901	1015	30.0	5	950	34	M30	24	62.1
900	1001	1115	32.5	5	1050	34	M30	28	73.0
1000	1112	1230	35.0	5	1160	37	M33	28	92.9
1200	1328	1455	40.0	5	1380	40	M36	32	138.0
1400	1530	1675	41.0	5	1590	43	M39	36	174.7
1600	1750	1915	44.0	5	1820	49	M45	40	241.8
1800	1950	2115	47.0	5	2020	49	M45	44	281.9
2000	2150	2325	50.0	5	2230	49	M45	48	336.5

Nominal Diameter DN	d1	D	b	f1	K	L2	Bolt		Mass(kg)
							Size	No.	
80	132	200	16.0	3	160	19	M16	8	2.9
100	156	220	16.0	3	180	19	M16	8	3.3
150	211	285	16.0	3	240	23	M20	8	5.1
200	266	340	17.0	3	295	23	M20	12	6.9
250	319	400	19.0	3	355	28	M24	12	9.6
300	370	455	20.5	4	410	28	M24	12	12.6
350	429	520	22.5	4	470	28	M24	16	17.4
400	480	580	24.0	4	525	31	M27	16	22.2
450	548	640	26.0	4	585	31	M27	20	28.1
500	609	715	27.5	4	650	34	M30	20	37.7
600	720	840	31.0	5	770	37	M33	20	57.4
700	794	910	34.5	5	840	37	M33	24	58.0
800	901	1025	38.0	5	950	40	M36	24	77.0
900	1001	1125	41.5	5	1050	40	M36	28	92.0
1000	1112	1255	45.0	5	1170	43	M39	28	127.4
1200	1328	1485	52.0	5	1390	49	M45	32	192.9
1400	1530	1685	55.0	5	1590	49	M45	36	231.5
1600	1750	1930	60.0	5	1820	56	M52	40	331.1

PN16 Flange

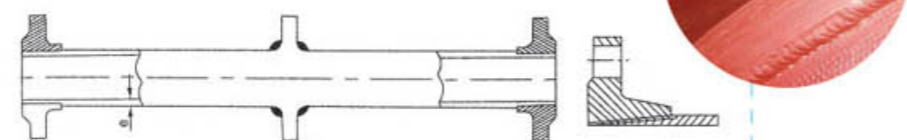
PN25 Flange

Nominal Diameter DN	d1	D	b	f1	K	L2	Bolt		Mass(kg)
							Size	No.	
80	132	200	16.0	3	160	19	M16	8	2.9
100	156	235	16.0	3	190	23	M20	8	3.8
150	211	300	17.0	3	250	28	M24	8	6.1
200	274	360	19.0	3	310	28	M24	12	8.9
250	330	425	21.5	3	370	31	M27	12	13.2
300	389	485	23.5	4	430	31	M27	16	18.0
350	448	555	26.5	4	490	34	M30	16	25.3
400	503	620	28.0	4	550	37	M33	16	33.2
450	548	670	30.5	4	600	37	M33	20	39.0
500	609	730	32.5	4	660	37	M33	20	48.3
600	720	845	37.0	5	770	40	M36	20	69.2
700	820	960	41.5	5	875	43	M39	24	90.3
800	928	1085	46.0	5	990	49	M45	24	123.2
900	1028	1185	50.5	5	1090	49	M45	28	148.6
1000	1140	1320	55.0	5	1210	56	M52	28	200.7

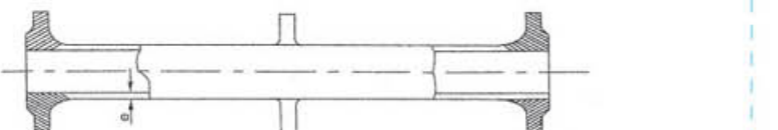
法兰管尺寸

Dimensions of Flanged Pipe

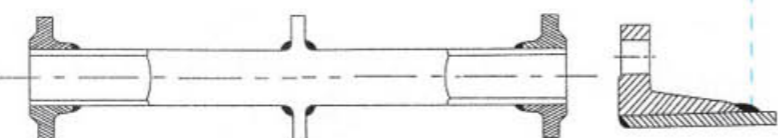
Flanged pipes with screwed-on flanges, k9, k12 DN80-DN600
L, L₁ to be specified



Flanged pipes with cast-on flanges, k9, k12 DN1200-2000
L ≤ 4000mm

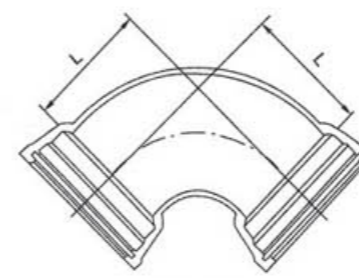


Flanged pipes with welded-on flanges, k9, k12 DN80-DN1000
L, L₁ to be specified

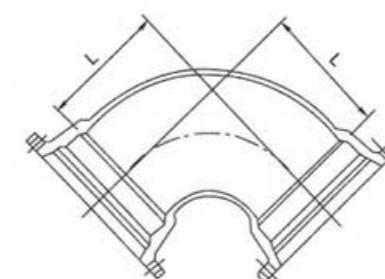


Nominal Diameter DN	Body						Flange (Kg/pc)			
	k=9		k=10		k=12					
	e mm	kg/m	e mm	kg/m	e mm	kg/m	PN10	PN16	PN25	PN40
80	6.0	12.2	6.0	12.2	7.0	14.1	3.6	3.6	3.5	3.5
100	6.1	15.1	6.1	15.1	7.2	17.7	4.2	4.2	4.5	4.5
150	6.3	22.8	6.5	23.5	7.8	28.0	6.3	6.3	7.1	9.2
200	6.4	30.6	7.0	33.3	8.4	39.7	8.8	8.6	10.4	15.7
250	6.8	40.2	7.5	44.3	9.0	52.8	12.0	11.8	15.3	25.4
300	7.2	50.8	8.0	56.3	9.6	67.3	16.8	16.6	20.8	36.3
350	7.7	63.2	8.5	69.6	10.2	83.1	23.0	25.5	29.0	-
400	8.1	75.5	9.0	83.7	10.8	100.0	26.5	31.0	37.4	-
500	9.0	104.3	10.0	115.6	12.0	138.2	41.0	54.0	54.5	-
600	9.9	137.1	11.0	152.0	13.2	181.8	56.0	79.8	79.1	-
700	10.8	173.9	12.0	193.0	14.4	230.8	72.5	84.2	-	-
800	11.7	215.2	13.0	238.7	15.6	285.5	102.0	117.0	-	-
900	12.6	260.2	14.0	288.7	16.8	345.4	118.5	137.5	-	-
1000	13.5	309.3	15.0	343.2	18.0	410.6	135.0	169.4	-	-
1200	15.3	420.1	17.0	466.1	20.4	557.8	180.0	235.0	-	-
1400	17.1	547.2	19.0	607.2	22.8	726.8	253.0	301.0	-	-
1600	18.9	690.3	21.0	766.0	25.2	916.9	340.0	430.0	-	-
1800	20.7	850.1	23.0	943.4	27.6	1129.3	-	-	-	-
2000	22.5	1026.3	25.0	1139.0	30.0	1363.4	-	-	-	-

90° 双承弯管
Double Socket 90° Bend

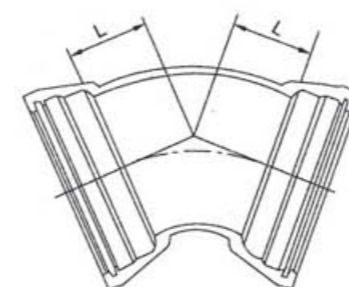


T Type

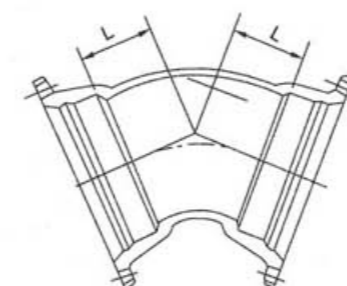


K Type

45° 双承弯管
Double Socket 45° Bend



T Type



K Type

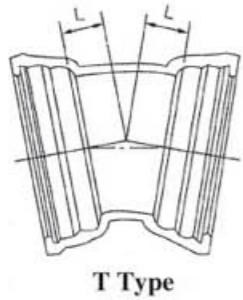
K=12

Nominal Diameter DN	L	Mass(kg)	
		T Type	K Type
80	100	8.6	12
100	120	11.5	15.6
150	170	20.5	27.5
200	220	33	40
250	270	48.5	55.5
300	320	68	81.5
350	370	83	105
400	420	143	134
450	470	156	166
500	520	183	202
600	620	273	290
700	720	455	408
800	820	605	544
900	920	813	720
1000	1020	1045	935
1200	1220	1508	1444
1400	1220	2419	1918
1600	1290	3382	2543
1800	1320	3616	3229
2000	1360	4516	4033

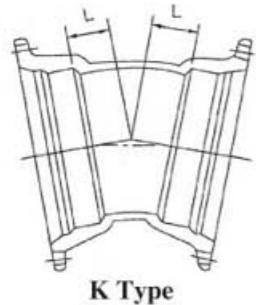
K=12

Nominal Diameter DN	L	Mass(kg)	
		T Type	K Type
80	55	7.7	11.1
100	65	10.1	14.3
150	85	17.5	24
200	110	27	34
250	130	38.5	45.5
300	150	53	66
350	175	70	83.5
400	195	89	104
450	220	117	127
500	240	139	150
600	285	202	209
700	330	282	289
800	370	378	373
900	415	496	488
1000	460	635	628
1200	550	986	943
1400	515	1273	1223
1600	565	1740	1647
1800	610	2296	2166
2000	660	2970	2791

22.5° 双承弯管
Double Socket 22.5° Bend



T Type

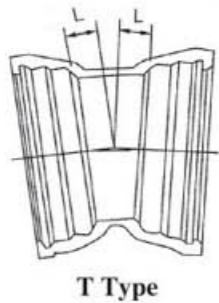


K Type

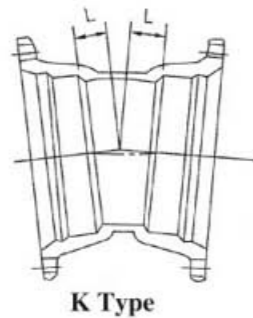
K=12

Nominal Diameter DN	L	Mass(kg)	
		T Type	K Type
80	40	7.5	10.7
100	40	9.5	13.5
150	55	15.9	22.5
200	65	24	30.5
250	75	33.5	40.5
300	85	44.5	58
350	95	58	71
400	110	74	88
450	120	95	105
500	130	111	123
600	150	157	164
700	175	217	223
800	195	287	281
900	220	373	364
1000	240	470	463
1200	285	716	671
1400	260	933	882
1600	280	1259	1167
1800	305	1663	1533
2000	330	2114	1965

11.25° 双承弯管
Double Socket 11.25° Bend



T Type

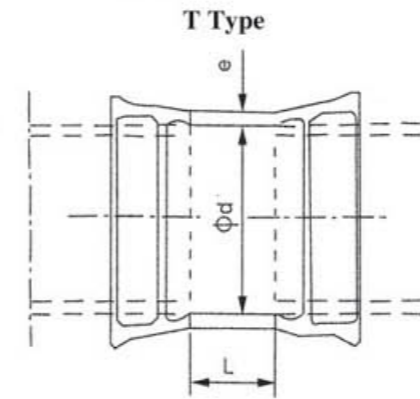


K Type

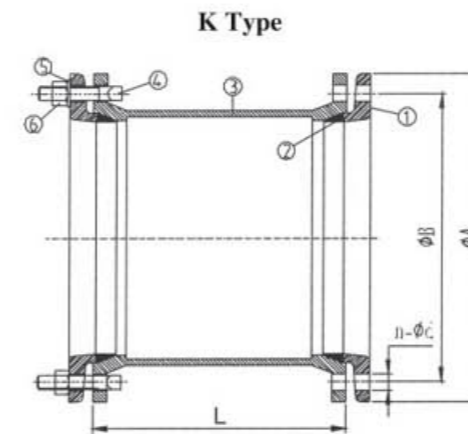
K=12

Nominal Diameter DN	L	Mass(kg)	
		T Type	K Type
80	30	7.1	10.5
100	30	8.9	13.1
150	35	14.8	21.5
200	40	22	29
250	50	30.5	37.5
300	55	40.5	54
350	60	52	65.5
400	65	65	79
450	70	83.5	93.5
500	75	96	108
600	85	134	141
700	95	181	187
800	110	239	234
900	120	305	297
1000	130	381	375
1200	150	568	524
1400	130	747	697
1600	140	1007	914
1800	155	1331	1200
2000	165	1702	1522

承套 Collar



T Type



K Type

K=12

Nominal Diameter DN	e	d	L	Mass(kg)
80	7	109	160	7.9
100	7.2	130	160	9.9
150	7.8	183	165	15.9
200	8.4	235	170	23
250	9	288	175	31.5
300	9	340	180	41
350	10.2	393	185	52
400	10.8	445	190	64
450	11.4	498	195	91
500	12	550	200	93
600	13.2	655	210	129
700	14.4	760	220	172
800	15.6	865	230	223
900	16.8	970	240	282
1000	18	1075	250	349
1200	20.4	1285	270	560
1400	22.8	1477	340	816
1600	25.2	1683	360	1094

MJ Collar

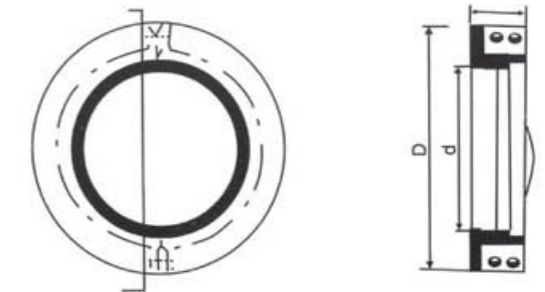
Nominal Diameter DN	ΦA	ΦB	n	Φd	L
80	218	168	4	23	325
100	236	188	4	23	325
150	299	242	6	23	330
200	350	295	6	23	340
250	408	349	8	23	355
300	467	409	8	23	360
350	515	462	10	23	380
400	566	515	12	23	400
450	638	580	12	23	410
500	670	621	14	23	425
600	808	727	14	23	450

K=12

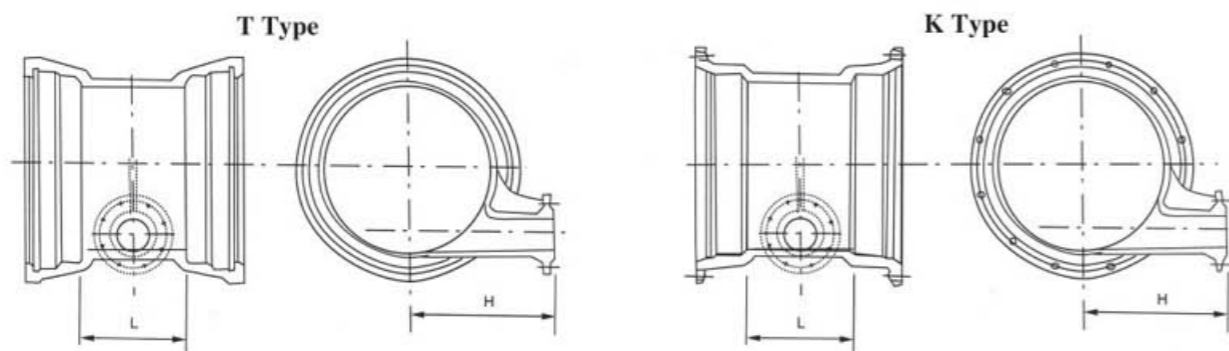
Nominal Diameter DN	D	L	d	Mass(kg)
80	260	110	100	11.5
100	305	110	120	14.5
150	390	130	172	23
200	430	130	224	28
250	490	130	276	37
300	555	130	329	46
350	610	130	381	50
400	660	150	432	62
450	725	150	483	73
500	790	150	535	85
600	900	165	638	120
700	1000	165	746	144
800	1100	185	850	189
900	1200	185	953	221
1000	1340	200	1056	309
1100	1440	200	1160	345
1200	1570	225	1263	441
1400	1780	225	1470	540
1600	1996	225	1686	608

分离式穿墙法兰

Split Puddle Flange for Ductile Iron Pipe



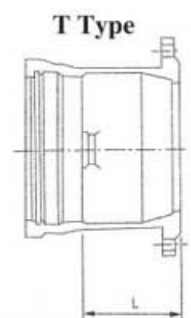
双承一盘吐泥三通
Double Socket Level Invert Tee With Flanged Branch



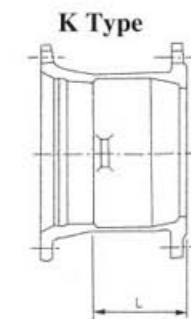
K=14

Nominal Diameter DN		L	H	Mass(kg)					
DN	dn			T Type			K Type		
				PN10	PN16	PN25	PN10	PN16	PN25
200	80	245	250	39.5	39.5	39.5	43	43	43
250	80	250	275	49.5	49.5	49.5	54	54	54
300	80	255	300	62	62	62	73.5	73.5	73.5
350	100	280	325	83	83	84	90.5	90.5	91
400	100	280	350	97.5	97.5	99	107	107	108
450	100	285	375	115	115	117	125	125	126
500	100	290	400	134	134	136	143	143	144
600	100	295	450	173	173	175	183	183	182
700	150	360	500	255	255	257	255	255	256
800	150	365	550	335	335	336	310	310	311
900	150	370	600	382	383	384	382	382	383
1000	200	435	650	501	501	504	501	501	503
1200	200	445	750	679	679	682	679	679	681

盘承管 Flanged Socket



DN 80 to DN 2000

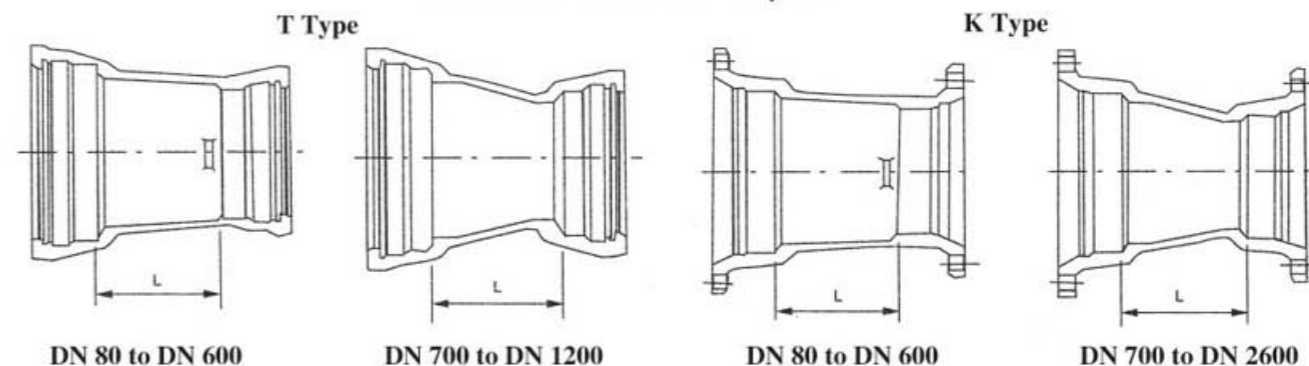


DN 80 to DN 2000

K=12

Nominal Diameter DN	L	Mass(kg)					
		T Type			K Type		
		PN10	PN16	PN25	PN10	PN16	PN25
80	130	7.5	7.5	7.5	9.3	9.3	9.3
100	130	9	9	9.5	11.3	11.3	12.5
150	135	14.5	14.5	15.5	18	18	19
200	140	20.5	20.5	22	24.5	24	16
250	145	28	28	31.5	32.5	32	35.5
300	150	37	37	42	44.5	44	49.5
350	155	45	48	56	53	55.5	63
400	160	55	60	71	64	68	78.5
450	165	70.5	78	88.5	74.5	82	92.5
500	170	78	93	104	87	100	110
600	180	108	135	149	115	138	149
700	190	144	159	191	162	174	-
800	200	189	208	257	205	220	-
900	210	235	258	319	252	271	-
1000	220	293	324	402	317	351	-
1200	240	456	524	321	450	505	-
1400	310	654	723	875	654	711	-
1600	330	887	989	1166	873	963	-
1800	350	1125	1251	1491	1103	1214	-
2000	370	1414	1567	1920	1378	1516	-

双承渐缩
Double Socket Taper



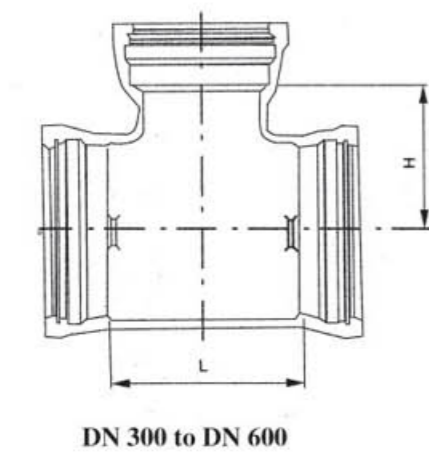
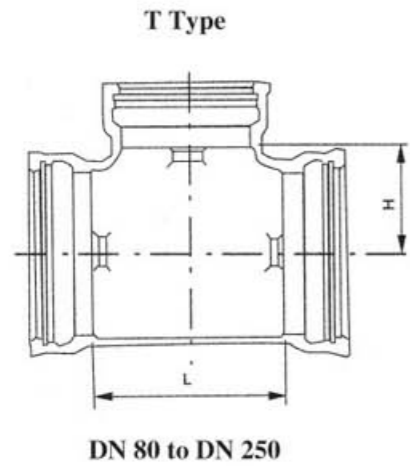
K=12

Nominal Diameter		L	Mass(kg)	
DN	dn		T Type	K Type
100	80	90	8.5	12.5
150	80	190	13.5	18.6
150	100	150	13.8	19.1
200	100	250	20.5	26
200	150	150	21	27
250	150	250	29	36
250	200	150	29	35
300	150	350	39.5	50
300	200	250	39.5	49
300	250	150	38.5	47.5
350	200	360	52	62.5
350	250	260	51	61
350	300	160	49.5	61.5
400	200	460	62	78
400	250	360	66	76.5
400	300	260	64	80.1
400	350	160	62	78
450	250	460	89.5	94
450	300	360	88.1	97.1
450	350	260	86	95
450	400	160	83.1	92
500	300	460	97	114
500	350	360	98	115
500	400	260	94	111
500	450	160	99.5	106
600	350	560	151	159
600	400	460	142	156
600	450	360	149	151
600	500	260	131	145
700	400	680	226	215
700	450	580	225	210
700	500	480	194	203
700	600	280	178	184

K=12

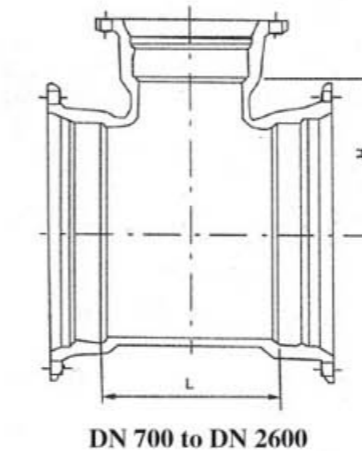
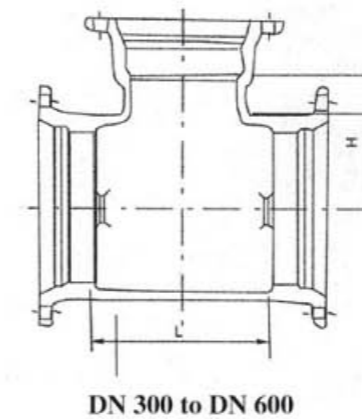
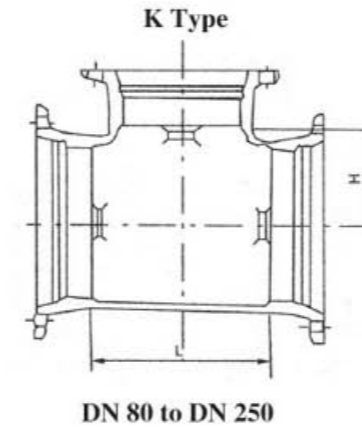
Nominal Diameter		L	Mass(kg)	
DN	dn		T Type	K Type
800	450	780	295	278
800	500	680	288	285
800	600	480	252	257
800	700	280	229	236
900	500	880	360	358
900	600	680	341	339
900	700	480	318	327
900	800	280	288	294
1000	600	880	446	445
1000	700	680	427	422
1000	800	480	392	403
1000	900	280	354	368
1200	700	1080	699	667
1200	800	880	668	631
1200	900	680	630	591
1200	1000	480	570	580
1400	800	760	877	716
1400	900	660	906	710
1400	1000	560	1015	704
1400	1200	360	711	698
1600	1000	760	1427	960
1600	1200	560	1355	919
1600	1400	360	951	936
1800	1200	760	-	1238
1800	1400	560	-	1198
1800	1600	360	1235	1234
2000	1200	960	-	1620
2000	1400	760	-	1579
2000	1600	560	-	1503
2000	1800	360	1566	1565

全承三通
ALL Socket Tee



K=14

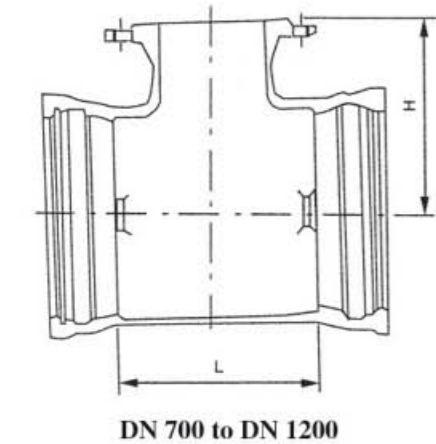
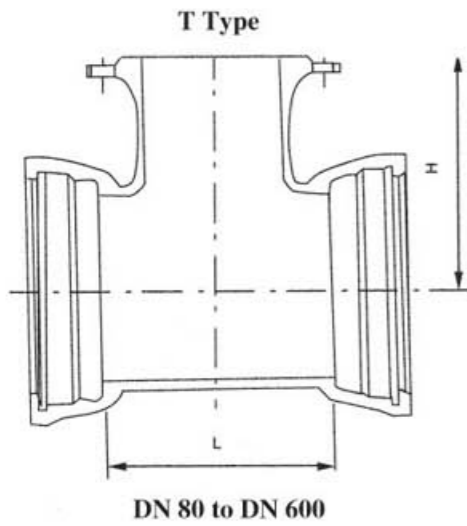
Nominal Diameter		L	H	Mass(kg)	
DN	dn			T Type	K Type
80	80	170	85	12.5	17.7
100	80	170	95	14.8	21.5
100	100	190	95	16.1	23.5
150	80	170	120	21.5	29.5
150	100	195	120	23.5	31
150	150	255	125	28	35.6
200	80	175	145	30	37.9
200	100	200	145	32	38.8
200	150	255	150	37	45
200	200	315	155	43	50.5
250	100	200	170	42	49
250	150	260	175	48	61
250	200	315	180	54	63.5
250	250	375	190	55	71.5
300	100	205	195	59	66.5
300	150	260	200	70	80.5
300	200	320	205	72	84
300	300	435	220	81	106
350	100	210	225	67.5	78
350	150	260	230	79.6	95
350	200	320	235	85	98
350	300	380	240	106	122
350	350	495	250	116	133
400	100	210	245	81	92
400	150	270	250	90	111
400	200	325	255	98	114
400	300	440	270	119	140
400	400	560	280	142	167
450	150	270	280	111	128
450	200	330	280	122	131
450	300	445	295	144	160
450	400	560	305	168	188
450	450	620	310	181	203
500	150	275	300	131	145
500	200	330	310	145	148
500	300	450	320	165	179
500	400	565	330	187	210
500	500	680	340	221	242
600	150	280	350	188	184
600	200	340	360	201	187
600	300	455	370	208	223
600	400	570	380	243	259
600	600	800	400	335	337



K=14

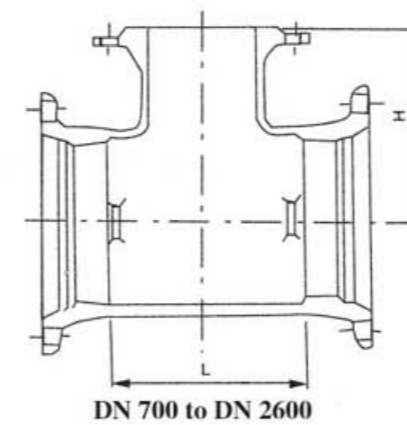
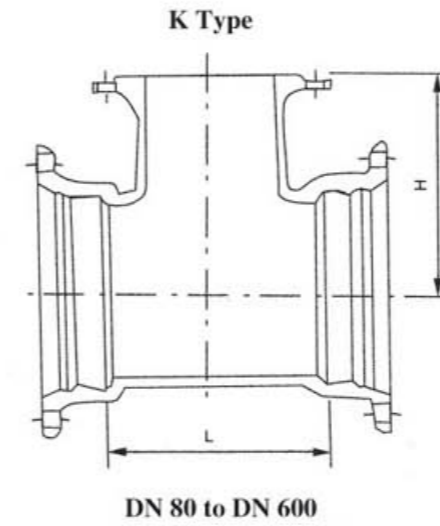
Nominal Diameter		L	H	Mass(kg)	
DN	dn			T Type	K Type
700	200	345	410	248	250
700	300	460	420	286	292
700	400	575	430	328	333
700	600	810	450	416	422
700	700	925	460	474	475
800	200	350	460	309	301
800	300	465	470	354	350
800	400	580	480	403	398
800	600	815	500	580	576
800	800	1045	525	632	618
900	200	355	510	382	370
900	400	590	530	493	484
900	600	820	550	747	739
900	800	1050	575	795	777
900	900	1170	585	826	806
1000	200	360	560	464	453
1000	400	595	580	592	584
1000	600	825	600	943	936
1000	800	1060	625	988	971
1000	1000	1290	645	1054	1033
1200	400	605	720	840	780
1200	600	840	740	1009	950
1200	800	1070	765	1198	1129
1200	1000	1300	785	1401	1331
1200	1200	1535	805	1644	1547
1400	600	1030	840	1679	1422
1400	800	1260	865	1910	1641
1400	1000	1495	885	2441	1886
1400	1200	1725	905	2795	2133
1400	1400	1960	930	3124	2436
1600	600	1040	940	2245	1806
1600	800	1275	965	2546	2073
1600	1000	1505	985	2851	2363
1600	1200	1740	1010	3663	2660
1600	1400	1970	1030	4066	2992
1600	1600	2200	1050	4474	3346
1800	600	1055	1040	-	2272
1800	800	1285	1065	-	2591
1800	1000	1520	1085	-	2933
1800	1200	1750	1110	-	3274
1800	1400	1980	1130	-	3652
1800	1600	2215	1150	-	4052
1800	1800	2445	1175	-	4498
2000	600	1065	1140	-	2793
2000	800	1300	1165	-	3179
2000	1000	1530	1185	-	3572
2000	1200	1760	1210	-	3968
2000	1400	1995	1230	-	4407
2000	1600	2225	1250	-	4850
2000	1800	2460	1275	-	5346
2000	2000	2690	1295	-	5873

两承一盘三通管
Double Socket Tee With
Flanged Branch



K=14

Nominal Diameter		L	H	Mass(kg)					
DN	dn			T Type			K Type		
				PN10	PN16	PN25	PN10	PN16	PN25
80	80	170	165	13.5	13.5	13.5	16.7	16.7	16.7
100	80	170	175	15.8	15.8	15.8	19.7	19.7	19.7
100	100	190	180	17.5	17.5	18	21	21	21.5
150	80	170	205	23	23	23	28.5	28.5	28.5
150	100	195	210	24.5	24.5	25	30.5	30.5	31.5
150	150	255	220	29.5	29.5	30.5	35.5	35.5	36.5
200	80	175	235	31.5	31.5	31.5	36.5	36.5	36.5
200	100	200	240	33.5	33.5	34	38.5	38.5	39
200	150	255	250	39	39	40.5	44.5	44.5	45.5
200	200	315	260	45.6	46	47.5	51.5	51	51
250	80	175	270	44	44	44	47	47	47
250	100	200	270	43.5	43.5	44	48	48	48.5
250	150	260	280	56.5	56.5	57.6	59	59	60
250	200	315	290	57	57	59	62.5	62	64
250	250	375	300	65	66	69	71.5	71	74.5
300	80	180	295	53	53	53	64	64	64
300	100	205	300	54	55	56	65	65	64.5
300	150	260	310	64	64	69	78.5	78.5	79.5
300	200	320	320	71	70	73	81.5	81.5	83.5
300	300	435	340	89	91	95	102	102	107
350	80	185	325	70.5	70.5	70.5	76	76	76
350	100	205	330	71.5	71	71.5	76.5	76.5	77
350	150	265	340	87.5	87.5	89.5	93	93	94
350	200	325	350	90.5	86	88	96	96	98
350	300	440	370	113	118	129	118	118	123
350	350	495	380	117	120	129	129	132	139
400	80	185	360	80	80	80	90	90	90
400	100	210	360	83	83	83.5	91	91	91.5
400	150	265	370	88	88	90	109	109	110
400	200	325	380	103	102	104	113	112	114
400	300	440	400	129	128	137	137	136	142
400	400	560	420	150	156	167	163	167	178
450	80	190	385	97.5	97.5	97.5	105	105	105
450	100	215	395	106	106	107	106	106	106
450	150	270	400	119	119	120	127	127	128
450	200	330	410	12	122	124	130	130	132
450	300	445	430	149	149	154	157	157	162
450	400	560	450	177	181	192	185	189	200
450	450	620	460	192	200	211	200	208	219
500	80	195	420	110	110	110	119	119	119
500	100	215	420	116	116	117	120	120	120
500	150	275	430	126	126	131	143	143	144
500	200	330	440	142	141	143	147	146	148
500	300	450	460	165	165	169	177	177	182
500	400	565	480	199	205	216	207	212	223
500	500	680	500	232	247	259	242	256	266
600	80	200	480	150	150	150	151	151	151
600	100	220	480	159	159	161	152	152	153
600	150	280	500	170	170	172	183	183	184
600	200	340	500	189	189	191	187	187	188
600	300	455	520	235	235	240	222	222	227
600	400	570	540	258	263	274	258	263	274
600	600	800	580	340	366	380	345	368	360

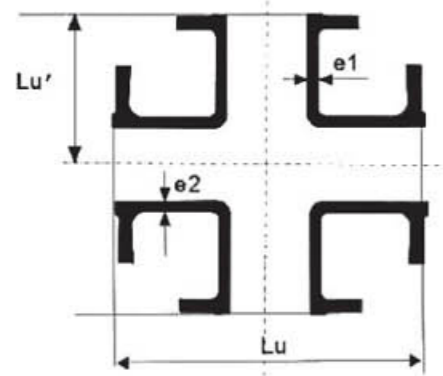


K=14

Nominal Diameter		L	H	Mass(kg)					
DN	dn			T Type			K Type		
				PN10	PN16	PN25	PN10	PN16	PN25
700	100	230	510	240	240	241	243	243	244
700	150	285	520	241	242	242	246	246	247
700	200	345	525	242	242	244	250	249	251
700	400	575	555	320	325	336	329	334	345
700	600	810	585	421	445	460	422	445	457
700	700	925	600	460	475	506	476	488	521
800	100	235	570	304	304	305	295	295	295
800	150	290	580	305	308	306	298	298	299
800	200	350	585	306	306	308	302	301	303
800	400	580	615	398	403	414	396	401	412
800	600	815	645	579	605	620	579	603	614
800	800	1045	675	623	642	691	631	646	699
900	150	295	640	376	376	377	368	368	369
900	200	355	645	379	379	381	371	371	373
900	400	590	675	490	495	506	484	488	499
900	600	1170	705	748	774	789	745	769	760
900	800	1050	735	808	823	872	795	810	863
900	900	1170	750	814	838	899	822	841	907
1000	150	305	670	560	566	561	451	451	452
1000	200	360	705	462	462	464	455	455	457
1000	400	595	735	591	596	607	566	591	602
1000	600	1290	765	947	973	988	946	970	981
1000	800	1290	795	1006	1021	1070	994	1009	1062
1000	1000	1290	825	1044	1086	1164	1059	1094	1179
1200	200	375	825	836	838	840	618	618	620
1200	400	605	855	852	856	867	787	792	803
1200	600	840	885	1000	1027	1042	967	991	1003
1200	800	1070	915	1190	1210	1259	1162	1177	1250
1200	1000	1300	945	1406	1448	1526	1372	1406	1492
1200	1200	1535	975	1682	1736	1836	1617	1672	1781
1400	400	800	950	1341	1368	1379	1221	1226	1237
1400	600	1030	980	1478	1505	1520	1441	1464	1476
1400	800	1260	1010	1709	1728	1777	1677	1692	-
1400	1000	1495	1040	1955	1996	2074	1929	1964	-
1400	1200	1725	1070	-	-	-	2205	2260	-
1400	1400	1960	1100	-	-	-	2501	2557	-
1600	400	810	1060	-	-	-	1561	1566	1576
1600	600	1040	1090	1908	1936	1949	1831	1854	1866
1600	800	1275	1120	2192	2211	2261	2121	2136	-
1600	1000	1505	1150	2480	2523	2600	2416	2451	-
1600	1200	1740	1180	2799	2863	-	2743	2798	-
1600	1400	1970	1210	-	-	-	3073	3130	-
1600	1600	2200	1240	-	-	-	3461	3551	-
1800	600	1055	1200	2414	2440	2455	2302	2326	1337
1800	800	1285	1230	2748	2767	2817	2642	2657	-
1800	1000	1520	1260	3095	3137	3215	2998	3032	-
1800	1200	1750	1290	3460	3542	3624	3371	3426	-
1800	1400	1980	1320	-	-	-	3750	3807	-
1800	1600	2215	1350	-	-	-	4188	4277	-
1800	1800	2445	1380	-	-	-	4624	4735	-
2000	600	1065	1310	2988	3015	3030	2830	2853	2865
2000	800	1300	1340	-	-	-	3239	3254	-
2000	1000	1530	1370	3790	3832	3910	3648	3682	-
2000	1200	1760	1400	-	-	-	4079	4134	-
2000	1400	1995	1430	4645	4713	4865	4523	4580	-
2000	1600	2225	1460	-	-	-	5007	5097	-
2000	1800	2460	1490	-	-	-	5497	5609	-
2000	2000	2690	1520	-	-	-	6030	6168	-

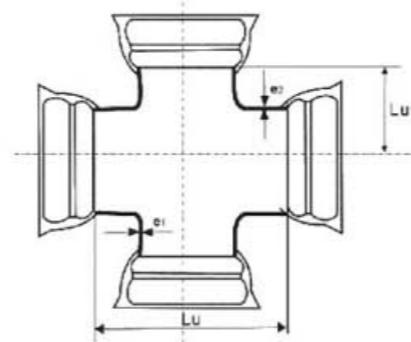
全盘四通 All Flanged Cross

DN	Branch	e1/e2	Lu	Mass(kg)
80	80	8.1	330	20.1
100	100	8.4	360	25
150	150	9.1	440	41.1
200	200	9.8	520	60.9
250	250	10.5	700	101
300	300	11.2	800	128
400	400	12.6	900	234
500	500	14.0	1000	399
600	600	15.4	1100	521

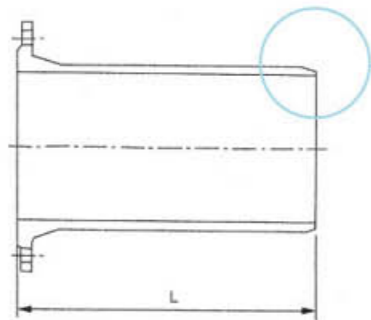


全承十字管 All Socket Cross

DN	Branch	e1/e2	Lu	Mass(kg)
80	80	8.1	170	15.3
100	100	8.4	190	19.8
150	150	9.1	250	33.6
200	200	9.8	310	50.9
250	250	10.5	370	75.1
300	300	11.2	430	101
400	400	12.6	550	177
500	500	14.0	680	272
600	600	15.4	800	399



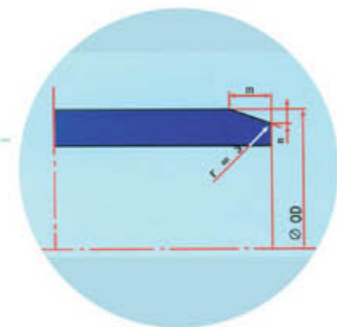
盘插管 Flanged Spigot



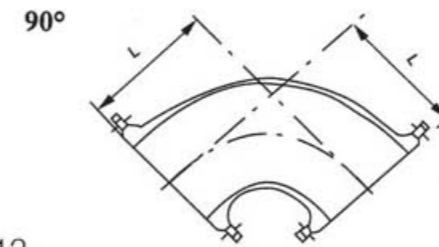
Nominal Diameter DN	L	Mass(kg)		
		PN10	PN16	PN25
80	350	7.8	7.8	7.8
100	360	9.7	9.7	10.2
150	380	15.6	15.6	16.6
200	400	23	23	25
250	420	32	32	35.5
300	440	43	42.5	47.5
350	460	52	55	64
400	480	64	70	81
450	500	78	88	98
500	520	94	109	121
600	560	133	159	173
700	600	179	194	225
800	600	226	245	294
900	600	272	295	356
1000	600	328	369	447
1200	600	456	520	620
1400	710	664	732	884
1600	780	922	1024	1201

Pipe Spigot Dimension

Nominal Diameter DN	OD mm	m mm	n mm
80	98	9	3
100	118	9	3
150	170	9	3
200	222	9	3
250	274	9	3
300	326	9	3
350	378	9	3
400	429	9	3
450	532	9	3
500	635	9	3
600	738	15	5
700	842	15	5

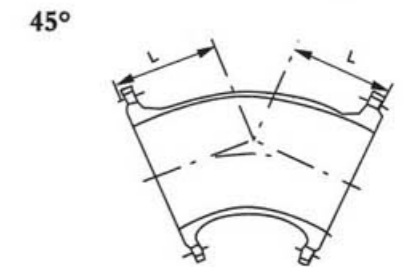


双法兰弯管 Double Flanged Bend



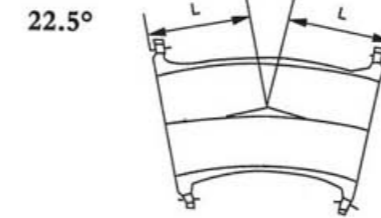
K=12

Nominal Diameter DN	L	Mass(kg)		
		PN10	PN16	PN25
80	165	9.6	9.6	9.6
100	180	12	12	13
150	220	20	20	22
200	260	31.5	31	35
250	350	50.5	49.5	57
300	400	70	70	81
350	450	90	96	113
400	500	116	127	149
450	550	148	164	184
500	600	181	211	235
600	700	272	325	353
700	800	386	416	479
800	900	533	572	671
900	1000	698	745	866
1000	1100	907	990	1146
1200	1300	1452	1568	1767
1400	1350	1948	2068	2373
1600	1450	2663	2852	3206
1800	1500	3348	3580	4060



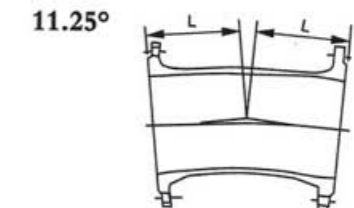
K=12

Nominal Diameter DN	L	Mass(kg)		
		PN10	PN16	PN25
80	130	9.5	9.5	9.5
100	140	11.5	11.5	12.5
150	160	18.5	18.5	21
200	180	28	27	31
250	350	55	54	62
300	400	78	77	88
350	298	76	83	98
400	324	96	107	129
450	349	120	135	157
500	375	145	175	198
600	426	212	268	294
700	478	296	326	389
800	529	403	442	541
900	581	519	567	688
1000	630	668	751	907
1200	750	1080	1178	1377
1400	775	1388	1584	1829
1600	845	1915	2119	2473
1800	910	2465	2717	3197
2000	980	3149	3455	4161



K=12

Nominal Diameter DN	L	Mass(kg)		
		PN10	PN16	PN25
80	130	9.5	9.5	9.5
100	140	12	12	13
150	160	19.7	19.7	21
200	180	29	27.5	32
250	350	56.5	56	63
300	400	79	78.5	89
350	298	78.5	84	100
400	324	98.5	108	131
450	349	122	138	160
500	375	151	178	199
600	426	221	269	292
700	478	311	334	397
800	529	423	453	552
900	581	543	581	702
1000	632	700	769	925
1200	735	1088	1198	1397
1400	835	1551	1664	1969
1600	940	2190	2369	2723
1800	480	1640	1864	2344
2000	520	2081	2357	3063

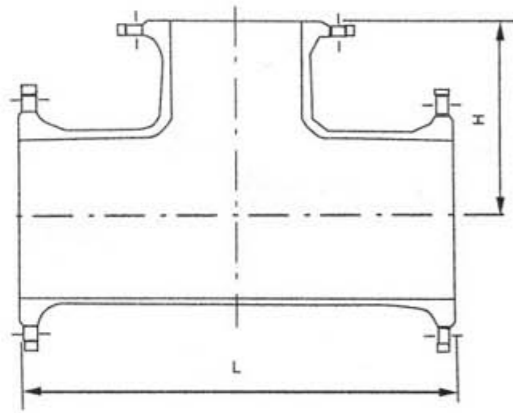


K=12

Nominal Diameter DN	L	Mass(kg)		
		PN10	PN16	PN25
80	130	9.5	9.5	9.4
100	140	12	12	13
150	160	19.7	19.7	21
200	180	29	28	32
250	350	55	54	63.5
300	400	79.5	79	89.5
350	298	79	84.5	100
400	324	100	109	131
450	349	123	129	160
500	375	150	178	200
600	426	196	257	294
700	478	313	336	399
800	529	426	455	554
900	581	546	584	705
1000	632	704	773	929
1200	735	1094	1204	1403
1400	835	1560	1674	1975
1600	940	2203	2382	2736
1800	345	1342	1566	2046
2000	375	1694	1970	2176

全盘三通管
All Flanged Tee

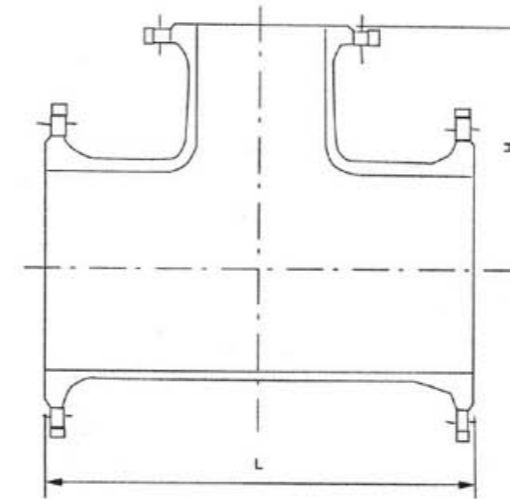
K=14



Nominal Diameter		L	H	Mass(kg)		
DN	dn			PN10	PN16	PN25
80	80	330	165	15.8	15.8	15.8
100	80	360	175	18.4	18.4	19.6
100	100	360	180	19.5	19.5	21
150	80	440	205	29	29	31
150	100	440	210	30	30	32.5
150	150	440	220	32.5	32.5	36.5
200	80	520	235	42	41.5	46
200	100	520	240	43	42	47.5
200	150	520	250	46	45.5	51
200	200	520	260	49.5	49	56
250	100	700	275	68	67	75
250	150	700	300	68	67	74.8
250	200	700	325	76	75	85
250	250	700	350	82	81	93
300	100	800	300	94	93	105
300	150	800	325	97	96	109
300	200	800	350	102	101	114
300	300	800	400	116	115	131
350	100	850	325	116	122	139
350	150	850	325	118	125	143
350	200	850	325	121	128	146
350	300	850	425	138	147	170
350	350	850	425	142	151	176
400	100	900	350	143	154	177
400	150	900	350	148	157	181
400	200	900	350	148	159	184
400	300	900	450	167	176	204
400	400	900	450	174	191	225
450	100	950	375	177	193	216
450	150	950	375	180	196	220
450	200	950	375	183	199	224
450	300	950	475	199	215	244
450	400	950	475	210	230	264
450	450	950	475	216	240	275
500	100	1000	400	210	241	265
500	150	1000	400	215	244	268
500	200	1000	400	242	245	271
500	300	1000	500	235	263	292
500	400	1000	500	242	276	311
500	500	1000	500	252	297	332
600	150	1100	450	307	356	386
600	200	1100	450	305	358	388
600	300	1100	550	326	375	410
600	400	1100	550	329	387	427
600	600	1100	550	355	434	477

全盘三通管
All Flanged Tee

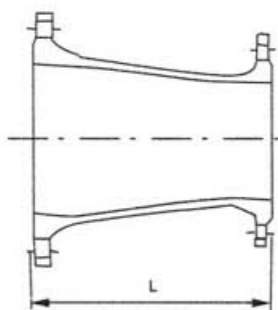
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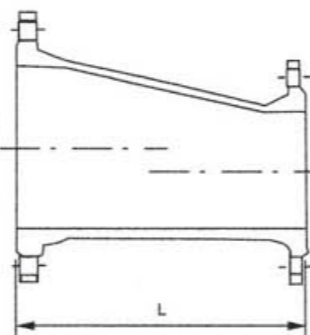
Nominal Diameter		L	H	Mass(kg)		
DN	dn			PN10	PN16	PN25
700	200	650	525	258	298	363
700	300	760	540	344	370	439
700	400	870	555	343	379	453
700	600	1200	585	468	519	596
700	700	1200	600	477	523	617
800	200	690	585	352	390	491
800	300	800	600	440	478	582
800	400	910	615	441	484	593
800	600	1350	645	613	678	790
800	800	1350	675	657	715	862
900	200	730	645	436	484	607
900	400	950	675	541	594	726
900	600	1500	705	787	862	996
900	800	1500	735	835	901	1071
900	900	1500	750	853	924	1106
1000	200	770	705	546	629	787
1000	400	990	735	668	755	922
1000	600	1650	765	1007	1116	1287
1000	800	1650	795	1072	1191	1396
1000	1000	1650	825	1105	1229	1463
1200	400	1005	855	1008	1131	1302
1200	600	1240	885	1101	1256	1470
1200	800	1470	915	1291	1492	1687
1200	1000	1700	945	1494	1714	1941
1200	1200	1935	975	1806	1970	2269
1400	600	1550	980	1555	1818	2138
1400	800	1760	1010	1886	2041	2395
1400	1000	2015	1040	2131	2309	2692
1400	1200	2245	1070	2262	2431	2836
1400	1400	2475	1100	2545	2715	3173
1600	600	1600	1090	2167	2398	2767
1600	800	1835	1120	2452	2675	3079
1600	1000	2065	1150	2740	2986	3418
1600	1200	2300	1180	3058	3327	3781
1600	1400	2530	1210	3208	3444	3950
1600	1600	2760	1240	3586	3854	4385
1800	600	1655	1200	2694	2972	3467
1800	800	1885	1230	3023	3299	3828
1800	1000	2120	1260	3375	3699	4227
1800	1200	2350	1290	3740	4056	4636
1800	1400	2580	1320	3910	4190	4822
1800	1600	2815	1350	4328	4641	5298
1800	1800	3045	1380	4750	5086	5806
2000	600	1705	1310	3309	3642	4362
2000	800	1720	1340	3505	3796	4551
2000	1000	1940	1370	4112	4459	5243
2000	1200	2160	1400	4314	4644	5450
2000	1400	2380	1430	4966	5340	6198
2000	1600	2600	1460	5202	5567	6450
2000	1800	2820	1490	5668	6055	7001
2000	2000	3040	1520	6185	6599	7658

双法兰渐缩管
Double Flanged Taper

Concentric Type



Eccentric Type



K=12

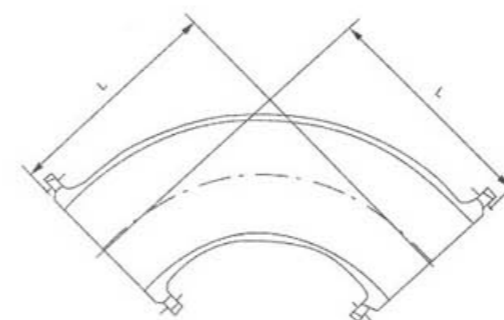
Nominal Diameter		L	Mass(kg)		
DN	dn		PN10	PN16	PN25
100	80	200	9.5	9.5	9.8
150	80	400	15.2	15.2	16.2
150	100	300	15.5	15.5	17
200	100	600	29.5	28	30.8
200	150	300	22	21.5	25
250	150	600	43	42.5	46.7
250	200	300	30	29.5	35.5
300	150	600	56	55	62
300	200	600	58.5	57	65
300	250	300	40.5	39.5	49.5
350	200	600	60.5	63.5	74
350	250	600	67	70	82.5
350	300	300	49.5	52	66
400	200	600	74.5	73	86.5
400	250	600	77	83	98.5
400	300	600	82	90	107
400	350	300	58	67	86
450	250	600	82	87	103
450	300	600	87	92	110
450	350	600	96	106	125
450	400	300	81	85	101
500	300	600	126	134	152
500	350	600	117	125	150
500	400	600	110	130	153
500	450	300	83	104	127
600	350	700	167	188	226
600	400	600	164	191	229
600	450	600	167	193	221
600	500	600	195	210	216
700	400	800	196	212	255
700	450	700	197	217	259
700	500	600	200	256	268
700	600	600	195	236	282
800	450	900	263	286	347
800	500	800	256	284	346
800	600	600	260	298	363
800	700	600	263	290	371

K=12

Nominal Diameter		L	Mass(kg)		
DN	dn		PN10	PN16	PN25
900	500	1000	338	370	443
900	600	800	318	360	436
900	700	600	321	352	444
900	800	600	308	352	462
1000	600	1000	422	490	583
1000	700	800	396	442	551
1000	800	600	399	448	575
1000	900	600	376	438	577
1200	700	1260	711	777	908
1200	800	1070	688	758	908
1200	900	880	652	726	887
1200	1000	790	586	692	879
1200	1100	600	566	655	850
1400	800	1590	1034	1105	1308
1400	900	1405	998	1074	1288
1400	1000	1220	961	1052	1236
1400	1100	1035	914	1005	1253
1400	1200	850	817	947	1199
1600	1000	1650	1424	1547	1802
1600	1100	1460	1377	1502	1774
1600	1200	1280	1324	1468	1745
1600	1400	910	1103	1273	1602
1600	1500	725	1073	1250	1594
1800	1100	1895	1910	2057	2392
1800	1200	1710	1858	2024	2363
1800	1400	1340	1701	1870	2263
1800	1500	1155	1610	1810	2216
1800	1600	970	1436	1664	2081
2000	1200	2140	2512	2705	3068
2000	1400	1770	2358	2553	3059
2000	1500	1585	2268	2494	3014
2000	1600	1400	2176	2404	2934
2000	1800	1030	1800	2079	2671

双法兰90° 长径弯管
Double Flanged 90° Long Radius Bend

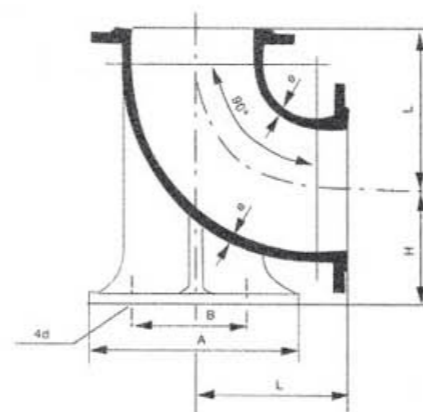
K=12



Nominal Diameter DN	L	Mass(kg)		
		PN10	PN16	PN25
80	380	14.5	14.5	14.5
100	400	18	18	19
150	450	30.5	30.5	32.5
200	500	46.5	46	50
250	550	67	66	73.5
300	600	91	90.5	101
350	650	117	122	138
400	700	149	158	180
450	750	184	200	221
500	800	227	254	275
600	900	332	379	403
700	1000	466	489	552
800	1100	632	661	759
900	1200	816	854	975
1000	1300	1048	1117	1272
1200	1500	1627	1737	1936

双法兰90° 鸭掌弯管
Double Flanged 90° Duckfoot Bend

K=12

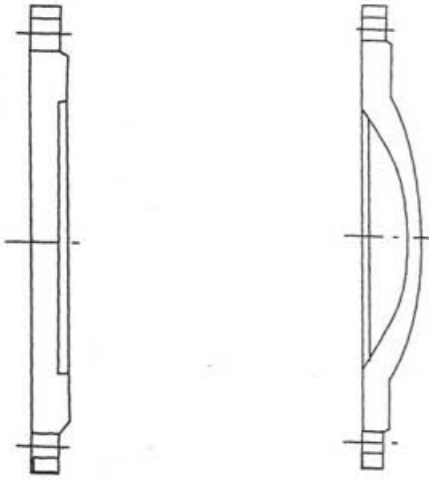


Nominal Diameter DN	L	H	A	B	d	Mass(kg)		
						PN10	PN16	PN25
80	165	110	180	120	19	14.1	14.1	14.8
100	180	125	200	130	23	17.8	17.8	19.2
150	220	160	250	165	28	30	30	32
200	250	190	300	215	28	46.5	46	52.5
250	350	225	350	250	31	75	75	82
300	400	255	400	300	31	106	105	116
350	450	290	450	350	34	139	145	162
400	500	320	500	390	37	178	189	212
450	550	350	550	440	37	245	261	283
500	600	385	600	490	37	283	313	337
600	700	450	700	580	40	428	481	509
700	800	515	800	680	43	684	708	683
800	900	580	900	770	49	944	974	1000
900	1000	645	1000	870	49	1252	1290	1411
1000	1100	710	1100	960	56	1629	1698	1854
1200	1300	840	1300	1160	56	2599	2709	2908

盲法兰 Blank Flange

DN 80 to DN 300

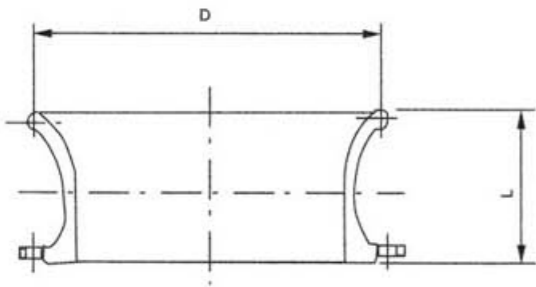
DN 350 to DN 2000



K=12

Nominal Diameter DN	Mass(kg)		
	PN10	PN16	PN25
80	3.9	3.9	3.9
100	4.8	4.8	5.1
150	8.1	8.1	8.8
200	11.6	11.4	13.3
250	16.9	16.6	21
300	24	23.5	30
350	32.5	37	46.5
400	40.5	48.5	62.5
450	50	63.5	80.5
500	62	83	100
600	94	130	154
700	136	169	-
800	189	235	-
900	244	307	-
1000	309	413	-
1200	504	662	-
1400	739	993	-
1600	1239	1409	-
1800	1240	1858	-
2000	1630	2407	-

钟口 Flange Bellmouth



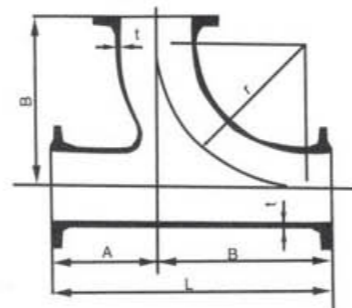
K=12

Nominal Diameter	D	L	Mass(kg)		
			PN10	PN16	PN25
80	160	135	5.2	5.2	5.2
100	185	140	6.2	6.2	6.7
150	245	155	10.1	10.1	11.1
200	310	170	15	14.8	16.8
250	370	190	21.5	21	25
300	435	210	29.8	29	35
350	495	225	36.1	39	47.5
400	560	245	45	51	62.2
450	620	260	55	63	73
500	685	280	67	82.5	94.2
600	810	300	96.5	122	137
700	945	340	136	154	186
800	1055	380	184	203	252
900	1165	420	240	263	324
1000	1290	440	298	339	417
1200	1515	490	457	512	612
1400	1670	515	646	702	854
1600	1725	540	906	995	1172

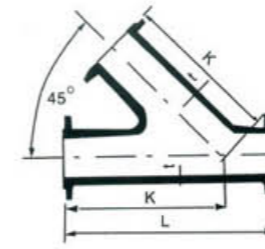
K=14

Nominal Diameter		L	A	B	r	Mass(kg) PN16
DN	dn					
80	80	545	165	380	330	23
100	100	580	180	400	340	30
150	150	670	220	450	385	52
200	200	760	260	500	430	80
250	250	900	350	550	475	121
300	300	1000	400	600	515	163
350	350	1100	450	650	560	222
400	400	1200	500	700	605	299
450	450	1300	550	750	650	394
500	500	1400	600	800	690	489
600	600	1600	700	900	780	739

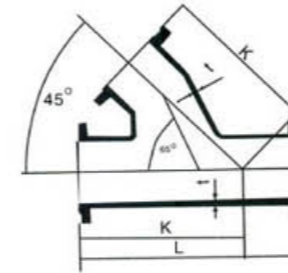
全法兰分水三通管
All Flanged Radial Tee



全法兰45° 分支三通管
All Flanged 45° Angle Branches



Type N

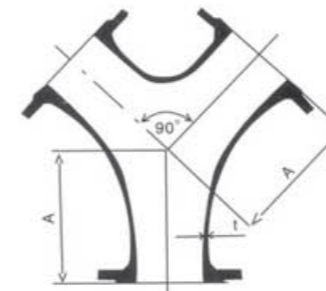


Type M

K=14

Nominal Diameter		Type N	t	tl	L	K	Mass(kg) PN16
DN	dn						
80	80	N	8.1	8.1	500	375	21
100	100	N	8.4	8.4	540	405	27
150	150	N	9.1	9.1	640	480	4604
200	200	N	9.8	9.8	735	560	70.1
250	250	N	10.5	10.5	830	640	103.8
300	300	N	11.2	11.2	930	715	145.5
350	350	M	11.9	11.9	880	790	167.4
400	400	M	12.6	12.6	970	870	204.1
450	450	M	13.3	13.3	1060	950	277
500	500	M	14	14	1140	1025	350.9
600	600	M	15.4	15.4	1310	1180	540.7

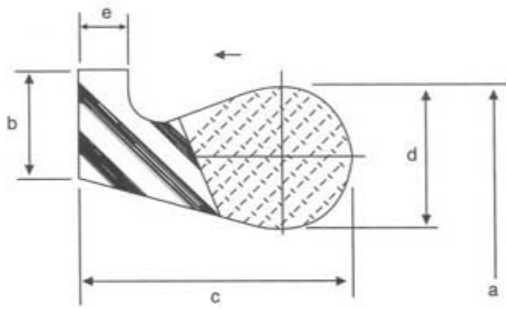
全法兰“Y”型三通管
All Flanged “Y” Tees



K=14

Nominal Diameter DN	T	A	Mass(kg) PN16
80	8.1	165	21
100	8.4	180	27
150	9.1	220	4604
200	9.8	260	70.1
250	10.5	350	103.8
300	11.2	400	145.5
350	11.9	450	167.4
400	12.6	500	204.1
450	13.3	550	277
500	14	600	350.9
600	15.4	700	540.7

胶圈 (T type) Rubber Gasket

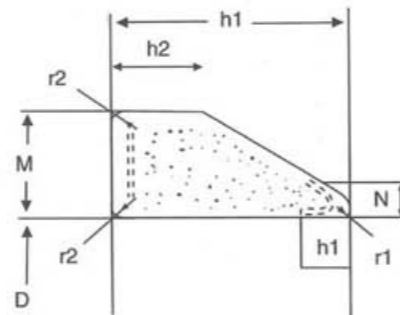


DN	a	b	c	d	e	kg
80	126	10	26	15	6.5	1.4
100	146	10	26	16	6.5	1.7
150	200	10	26	16	6.5	2.4
200	256	11	30	18	6.5	3.9
250	310	11	32	18	6.5	5.1
300	366	12	34	19.5	7	7.2
350	420	12	34	19.5	8	8.3
400	475	13	36	21	8	12
450	528	13	38	21.5	8	16
500	583	14.5	44	24	9	17
600	692	14.5	47	26	10	21
700	809	20	55	33.5	16	35
800	919	21	60	35.5	16	49
900	1026	22	65	37.5	18	62
1000	1133	23	70	39.5	18	78
1100	1242	25	74	40.0	19	87
1200	1352	27	78	43.5	20	93

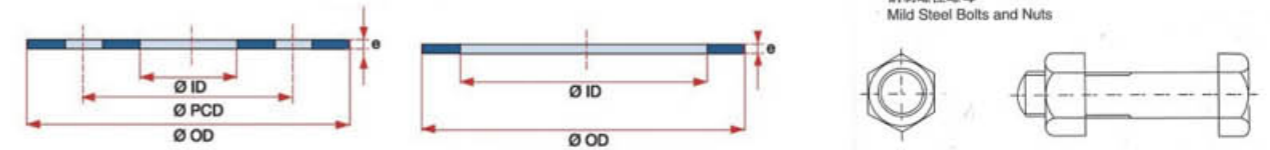


胶圈 (A type) Rubber Gasket

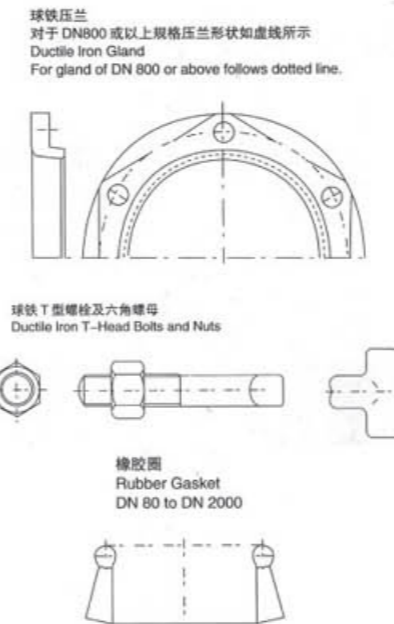
DN	D	M	h1	h2	h3	N	r1	r2
80	97	14	31	12	3	4	1.7	2
100	117	14	31	12.2	3.5	4.5	1.7	2
125	143	14	32	12.2	4	5	1.9	2
150	169	14.5	32	12.2	4.5	5.5	2.1	2
200	220	15	32	13	5	6	2.3	2
250	272	15.5	33	13	5.5	6.5	2.5	2
300	323	16	33	13.3	6	7	2.7	2
350	375	16.5	34	13.3	6.5	7.5	2.9	2
400	425	17	34	13.6	7	8	3.1	2
450	476	17.5	34	14.1	7.5	8.5	3.3	2
500	527	18	36	14.4	8	9	3.5	2
600	629	19	38	15.2	8.5	9.5	3.7	2
700	731	20	40	16	9	10	3.9	2
800	834	21	42	16.8	9.5	10.5	4.1	2
900	936	22	44	17.6	10	11	4.3	2
1000	1038	23	46	18.4	10.5	11.5	1.5	2.5
1100	1142	25	50	20	11	12	4.7	2.5
1200	1242	26	53	20.2	11.5	12.5	4.9	2.5



Flat Gasket and bolt/nut for Flange

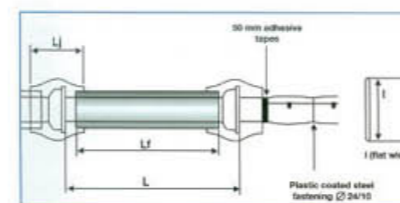


K type Gasket/Gland and T bolt/nuts



Flange Bolts and Nuts/T Bolts for MJ

DN	PN10 Flange		PN16 Flange		PN25 Flange		"T" bolt for K type	
	Size and Length	No	Size and Length	No	Size and Length	No	Size and Length	No
80	M16 × 65	8	M16 × 65	8	M16 × 65	8	M16 × 85	4
100	M16 × 65	8	M16 × 65	8	M20 × 70	8	M20 × 90	4
150	M20 × 70	8	M20 × 70	8	M24 × 80	8	M20 × 90	6
200	M20 × 70	8	M20 × 70	8	M24 × 80	12	M20 × 90	6
250	M20 × 80	12	M24 × 85	12	M27 × 90	12	M20 × 90	8
300	M20 × 80	12	M24 × 85	12	M27 × 90	16	M20 × 100	8
350	M20 × 80	16	M24 × 85	16	M30 × 110	16	M20 × 100	10
400	M24 × 85	16	M27 × 100	16	M33 × 120	16	M20 × 110	12
450	M24 × 85	20	M27 × 100	20	M33 × 120	20	M20 × 110	12
500	M24 × 85	20	M30 × 110	20	M33 × 120	20	M20 × 110	14
600	M27 × 100	20	M33 × 120	20	M36 × 140	20	M20 × 120	14
700	M27 × 100	24	M33 × 130	24	-	-	M24 × 120	16
800	M30 × 110	24	M36 × 140	24	-	-	M24 × 120	20
900	M30 × 120	28	M36 × 140	28	-	-	M30 × 130	20
1000	M33 × 130	28	M39 × 150	28	-	-	M30 × 130	20
1200	M36 × 140	32	M45 × 170	32	-	-	M30 × 140	28
1400	M39 × 150	36	M45 × 180	36	-	-	M30 × 150	28
1600	M45 × 160	40	M52 × 190	40	-	-	M30 × 150	30
1800	M45 × 160	44	M52 × 200	44	-	-	M30 × 150	34
2000	M45 × 170	48	M52 × 230	48	-	-	M30 × 160	36

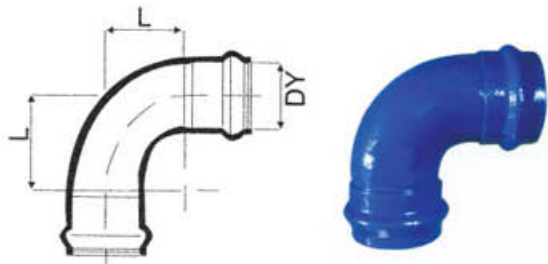


PE sleeve

Polyethylene sleeving is used to supplement the basic pipe coat (metallic zinc + bituminous paint) in certain cases of highly corrosive soils, or in the presence of stray currents. Standard: ISO 8180

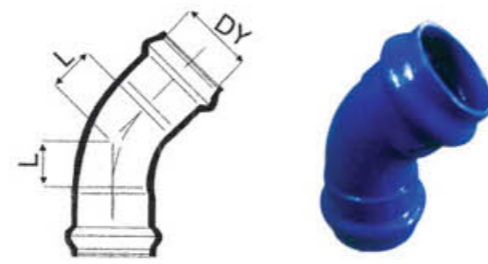
DN	L (m)	Sleeve				Thickness (µm)	Tie fasteners		Adhesive tape	
		Barrier		Joint			No./pipe	Length/pipe	No./pipe	Length/pipe
		I	Lf	I	Lj					
80	6	0.315	5.7	0.315	0.7	200	4	2	4	1.6
100	6	0.315	5.7	0.315	0.7	200	4	2.3	4	1.8
150	6	0.4	5.7	0.4	0.7	200	4	2.9	4	2.6
200	6	0.56	5.7	0.56	0.7	200	4	3.6	4	3.4
250	6	0.71	5.7	0.71	0.7	200	4	4.2	4	4.4
300	6	0.71	5.7	0.71	0.7	200	4	4.9	4	5.2
350	6	0.9	5.7	0.9	0.7	200	4	5.6	4	6
400	6	0.9	5.7	0.9	0.7	200	4	6.2	4	6.8
500	6	1.12	5.7	1.12	0.7	200	4	8.3	4	8.4
600	6	1.25	5.7	1.25	0.7	200	4	9.6	4	10
700	6	1.6	6.7	1.6	0.8	200	5	13.6	4	11.6
800	6	1.8	6.7	1.8	0.8	200	5	15.3	4	13.2

Double Socket 90° Bend



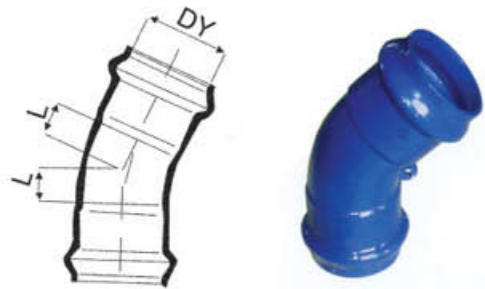
DY	L	Kg
63	85	3.0
75	95	4.0
90	100	5.3
110	130	7.4
125	125	9.7
140	130	11.6
160	180	15.5
200	220	25.3
225	265	27
250	285	36.1
315	345	57
400	365	70

Double Socket 45° Bend



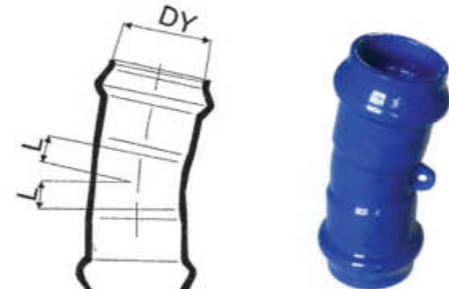
DY	L	Kg
63	50	2.7
75	55	3.2
90	60	5.3
110	70	6.0
125	125	8.7
140	130	10.1
160	90	13.5
200	110	19.6
225	135	23.5
250	135	29.9
315	180	47
400	200	61.7

Double Socket 22.5° Bend

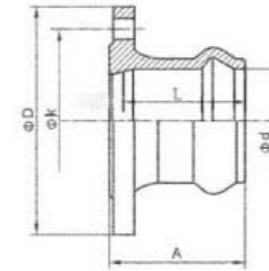


DY	L	Kg
63	35	2.5
75	35	3.1
90	40	4.1
110	45	5.6
125	125	7.5
140	130	8.0
160	55	9.9
200	65	15.7
225	85	19
250	90	26.4
315	105	44
400	130	53

Double Socket 11.25° Bend

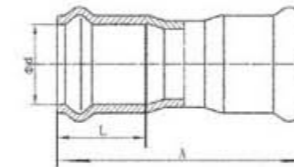


DY	L	Kg
63	25	2.2
75	25	3.1
90	25	4.1
110	34	5.0
125	125	6.5
140	130	8.8
160	40	9.0
200	60	15.3
225	70	20.0
250	70	26.3
315	80	43
400	100	47



Flanged Socket

DN	φ d	D	K	A	L	kg
50	63	165	125	100	95	3.3
60	63	185	145	110	95	3.5
60	75	185	145	110	100	3.9
65	75	185	145	110	100	4.1
80	75	200	160	120	100	4.9
80	90	200	160	120	105	5.2
100	110	220	180	130	115	6
150	160	280	240	170	145	9.5
200	200	340	295	192	155	15.7
200	225	340	295	190	155	18
250	250	400	350	220	175	23
250	280	400	350	230	185	26
300	315	455	400	240	190	29.5

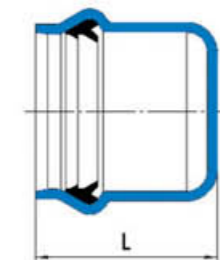
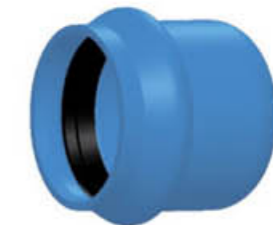


Double Socket Collar

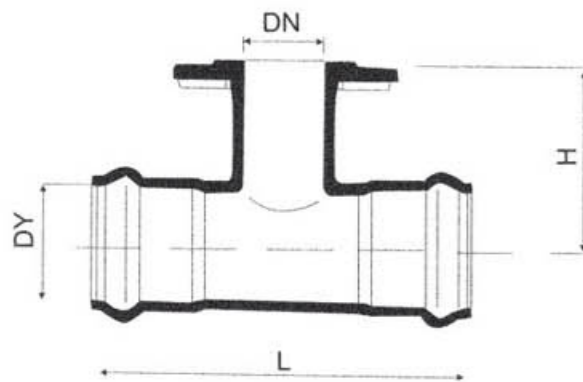
φ d	A	L	kg
63	255	95	1.8
75	275	100	2.3
90	305	105	3.3
110	355	115	4.5
160	375	145	9.1
200	380	155	12.4
250	415	175	18.8
280	460	185	26
315	450	190	30.9

Cap for PVC pipe

OD	L	Mass (kg)
50	95	1.3
63	100	1.4
75	100	1.6
90	120	1.8
110	130	2.1
125	135	4
140	145	4.8
160	155	6.4
180	170	8.2
200	185	9.9
225	195	14.6
250	210	15
280	225	22
315	240	25



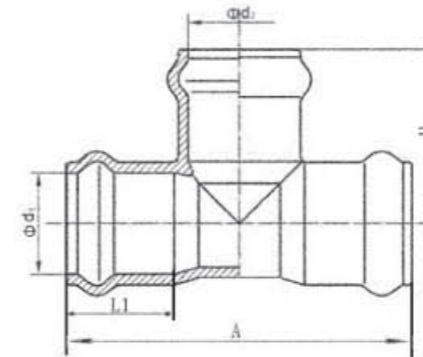
Double Socket Tee-flanged Branch



DY/DN	L	H	Kg
50/40	250	135	4.6
63/50	240	140	6.1
63/60	270	135	6.2
75/50	270	140	7.1
75/60	290	140	8.3
90/50	280	160	8
90/60	320	155	9.7
90/80	320	170	11
110/50	300	170	9.2
110/60	360	165	11.1
110/80	360	180	12.5
110/110	360	185	14
125/50	320	160	9.5
125/60	340	160	11.2
125/80	360	170	12.5
125/100	380	180	14
140/60	330	200	12.2
140/80	350	190	13
140/100	370	200	13.5
160/60	432	200	18
160/80	432	205	19.5
160/100	432	205	20
160/150	432	225	24
200/60	422	235	25
200/80	422	235	27
200/100	432	240	32

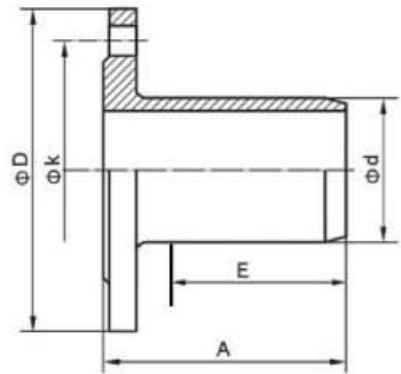
DY/DN	L	H	Kg
200/150	432	245	35
225/60	480	200	29
225/80	480	205	32
225/100	480	220	34
225/150	500	235	36
225/200	500	240	43
250/60	530	260	37
250/80	530	260	39
250/100	530	260	41
250/150	530	260	55
250/200	530	260	59
250/250	530	260	64
315/60	625	300	54
315/80	625	300	57
315/100	625	300	62
315/150	625	300	67
315/200	735	300	70
315/250	735	300	74
315/300	735	300	78
400/60	625	300	55
400/80	625	300	57
400/100	625	300	59
400/150	625	300	63
400/200	735	300	70
400/250	735	300	78
400/300	735	300	86

All Socket Tee



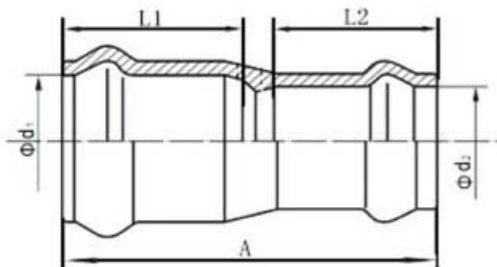
φ d1	φ d2	A	L1	H	L2	kg
63	63	255	95	125	95	3.3
75	63	275	100	135	95	4.2
75	75	291	100	143	100	4.9
90	63	275	105	145	95	5.7
90	75	290	105	150	100	6.0
90	90	308	105	155	105	6.4
110	63	300	115	155	95	6.6
110	75	315	115	165	100	7.0
110	90	328	115	165	105	8.7
160	75	365	145	190	100	9.2
160	110	400	145	200	115	13.4
160	160	446	145	225	145	15.9
200	90	410	155	210	105	17.2
200	110	430	155	220	115	19.8
200	160	480	155	245	140	21.6
200	200	520	155	260	155	25.8
225	90	410	155	215	105	29.6
225	110	430	155	230	115	23.0
225	160	480	155	255	145	24.8
225	225	540	155	270	155	28.8
250	90	450	175	235	105	38.1
250	110	470	175	245	115	31.5
250	160	520	175	270	145	35.1
250	200	560	175	285	155	38.6
250	250	605	175	305	175	41.2
280	90	490	185	250	105	46.4
280	110	510	185	260	115	34.0
280	160	560	185	285	145	40.0
280	225	620	185	300	155	50.0
280	280	675	185	340	185	52.0
315	90	480	190	265	105	35.2
315	110	500	190	275	115	39.0
315	160	550	190	300	145	53.6
315	200	610	190	330	155	55.6
315	225	610	190	315	155	59.0
315	250	640	190	355	175	68.0
315	280	665	190	355	185	72.0
315	315	700	190	350	190	76.6

Flange Spigot for PVC pipe



DN	ø d	D	K	A	L	kg
50	63	165	125	125	95	3.7
65	75	185	145	130	100	5.0
80	90	200	160	125	95	5.8
100	110	220	180	130	95	7.0
150	160	285	240	160	120	11.6
200	200	340	295	170	130	16.5
200	225	340	295	205	170	16.5
250	250	400	350	200	150	23.4
250	280	400	350	245	200	23.7
300	315	455	400	200	155	33.0

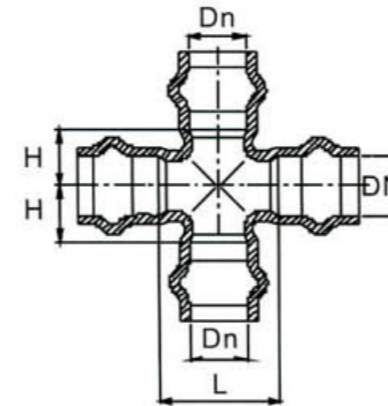
Double Socket Reducer



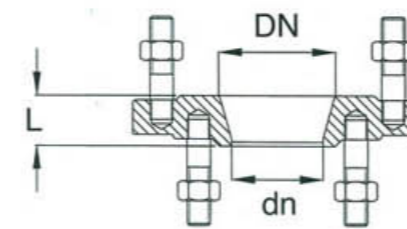
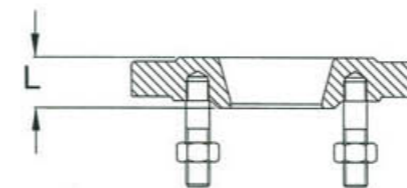
ø d1	ø d2	A	L1	L2	kg
75	63	210	100	95	3.7
90	63	215	105	95	4.7
90	75	225	105	100	4.9
110	63	240	115	95	5.7
110	75	250	115	100	6
110	90	250	115	105	6.6
160	90	290	145	105	10.8
160	110	300	145	115	11
200	90	310	155	105	12.1
200	110	310	155	115	14.5
200	160	340	155	145	19.2
225	110	315	155	115	18.5
225	160	340	155	145	21
225	200	350	155	155	24.5
250	110	350	175	115	23
250	160	370	175	145	23.7
250	200	390	175	155	24.9
250	225	400	175	155	30
280	160	390	185	145	32.2
280	225	410	185	155	33
280	250	420	185	175	35
315	200	400	190	155	38
315	225	400	190	155	41
315	250	420	190	175	43.5



All Socket Cross

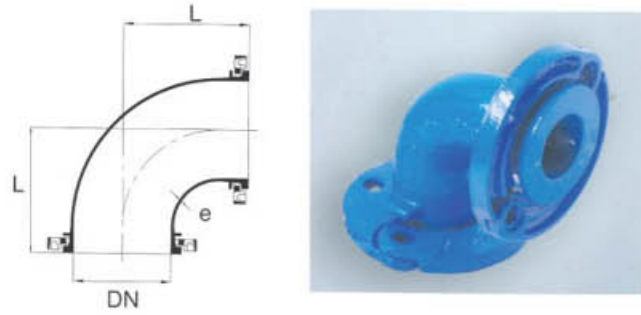


DN	dn	L	H
40	40	60	30
50	50	60	30
63	63	70	35
75	75	90	45
90	90	100	50
110	110	120	60
125	125	140	70
140	140	150	75
160	160	170	85
180	180	190	95
200	200	210	105
225	225	240	120
250	250	260	130
280	280	290	145
315	315	330	165



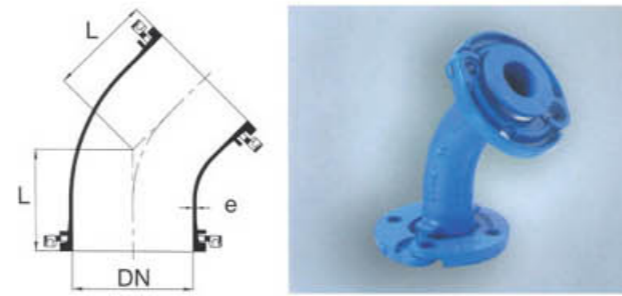
Reducing Flange

DN	dn	Single/Double	L	Kg
60	40	D	55	6.5
80	40	D	30	6
	50	D	55	9
	60	D	55	8.5
100	40	DD	30	6
	60	D	30	8
	80	D	30	8
125	80	D	55	10.5
	100	D	55	12
	60	S	30	10
150	80	S	30	10.5
	100	D	30	12.5
	125	D	60	16.5
	60	S	45	15.5
200	80	S	45	16
	100	S	45	16
	150	D	35	18.5
250	150	S	45	27
	200	D	45	23
300	200	S	55	27
	250	D	40	27.5



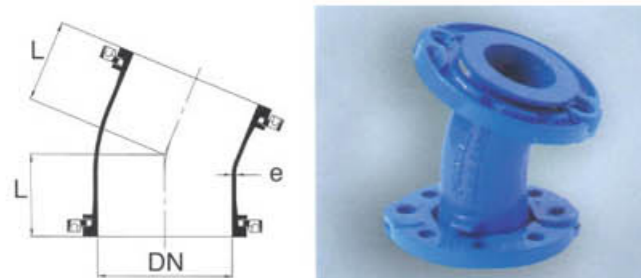
Flanged Bend 90° (1/4)

DN	L	e	kg
50	150	7	7
60/65	160	7	7.6
80	165	7	9.3
100	180	7.2	12.4
125	200	7.5	16.4
150	220	7.8	20.9
200	260	8.4	34.8
250	350	9	56.6
300	400	9.6	73.9
350	450	10.2	84
400	500	10.8	123
450	550	11.4	131
500	600	12	180



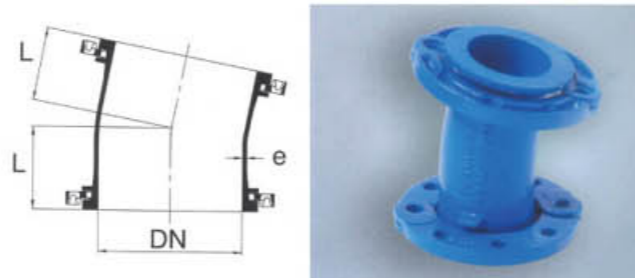
Flanged Bend 45° (1/8)

DN	L	e	kg
50	150	7	7
60/65	160	7	8.3
80	130	7	9.2
100	140	7.2	11.6
125	150	7.5	15.3
150	160	7.8	19.3
200	180	8.4	30
250	245	9	48.6
300	275	9.6	65
350	300	10.2	87
400	325	10.8	114
450	350	11.4	159
500	375	12	181



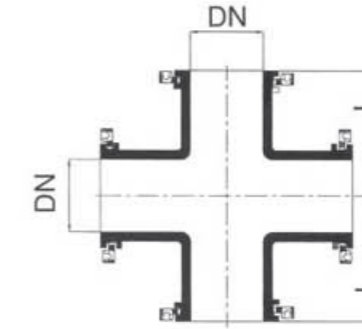
Flanged Bend 22° 30' (1/16)

DN	L	e	kg
50	104	10	5.5
60/65	114	8	7.1
80	105	8.5	8.4
100	110	8.5	10.3
125	105	9	13.6
150	109	9.5	16.5
200	131	9.5	26.3
250	167	12	41
300	175	13	54
350	215	16.5	85
400	239	17.5	100.5
450	253	19	140
500	272	20	161



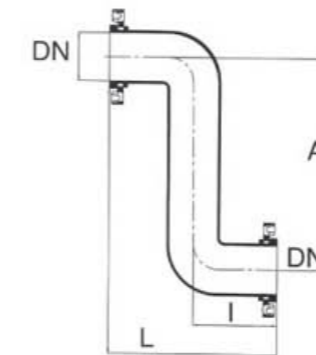
Flanged Bend 11° 15' (1/32)

DN	L	e	kg
50	105	8	6.8
60/65	120	8	7.3
80	115	8.5	8.4
100	115	8.5	10.3
125	110	9	13
150	115	9.5	16.8
200	130	9.5	26
250	105	14.5	38
300	115	15.5	51
350	124	16.5	75
400	134	17.5	90
450	144	19	110
500	154	20	135



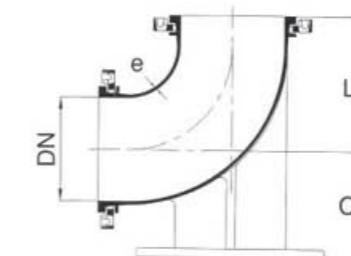
Flange Cross

DN	L	e	kg
80	180	9.5	25
100	200	8.5	30
125	225	9	38
150	250	9.5	55
200	300	9.5	90
250	350	14	135
300	400	15.5	186



"S" pipe

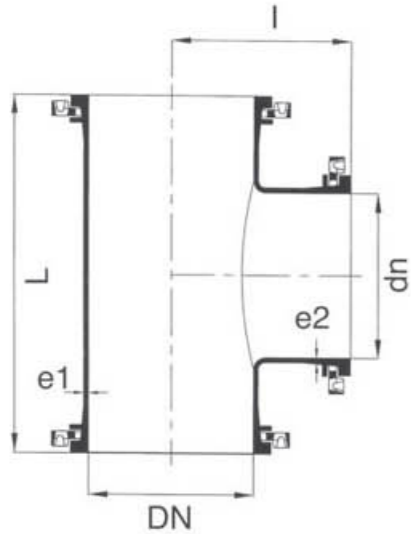
DN	A	I	L	e	kg
80	500	165	330	8.5	16.2
100	500	180	360	8.5	21.6



Duckfoot Bend

DN	L	e	c	kg
80	165	7	110	14.6
100	180	7.2	125	17.4

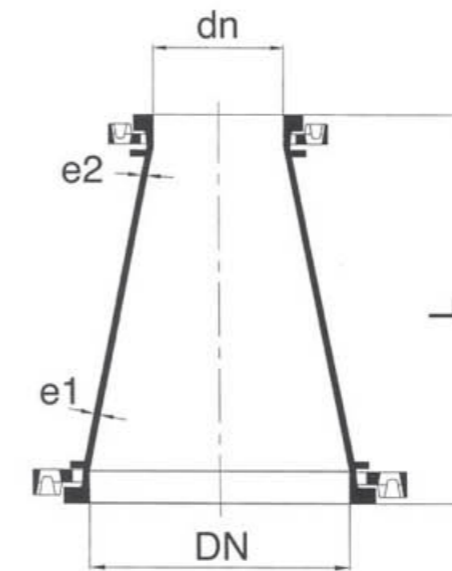
Tee



DN	dn	L	l	e1	e2	kg	
50	40	255	130	7	7	9	
	50	280	140	7	7	9.7	
60/65	40	280	140	7	7	9.6	
	50					11.2	
80	60/65	305	150	7	7	11.6	
	40	310	135	7	7	12	
	50					13	
60/65	310	155	7	7	14.7		
	80	330	165	7	7	14.8	
	100	320	145	7.2	7	14	
100	60/65	320	165	7.2	7	17.8	
	80	330	70	7.2	7	16.1	
	100	360	1180	7.2	7.2	18.5	
125	50	330	160	7.5	7	19	
	60/65	330	180	7.5	7	21.7	
	80	350	185	7.5	7	22.6	
	100	370	195	7.5	7.2	23	
125	125	400	200	7.5	7.5	24.5	
	50	340	170	7.8	7	26	
	60/65	340	190	7.8	7	28.4	
	80	360	200	7.8	7	24	
150	100	380	205	7.8	7.2	30.5	
	125	410	215	7.8	7.5	31	
	150	440	220	7.8	7.8	31.8	
	200	60/65	365	215	8.4	7	35.8
	80	380	225	8.4	7	36.4	
200	100	400	230	8.4	7.2	38.5	
	125	435	240	8.4	7.5	41.6	
	150	460	245	8.4	7.8	44	
	200	520	260	8.4	8.4	50.8	
	250	80	405	265	9	7	54
250	100	425	270	9	7.2	56	
	125	475	275	9	7.2	59	
	150	485	280	9	7.8	60	
	200	540	290	9	8.4	71	
	250	600	300	9	9	72	
300	100	450	300	9.6	7.2	68	
	125	505	310	13	9	70	
	150	505	310	9.6	7.8	71	
	200	565	320	9.6	8.4	79	
	250	620	330	9.6	9	88	
300	300	680	340	9.6	9.6	100	
	350	60	850	325	16.5	9.5	155
	80	850	325	16.5	10	160	
	100	850	325	16.5	10.5	165	
	125	850	325	16.5	11	167	
350	150	850	325	16.5	12	170	
	200	850	325	16.5	13	175	
	250	850	325	16.5	14	180	
	300	850	425	16.5	15.5	190	
	350	850	425	16.5	16.5	205	

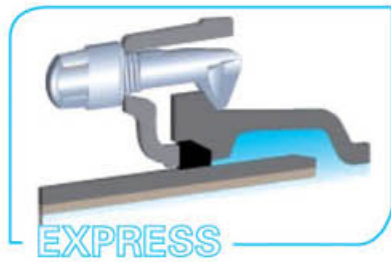
Tee

DN	dn	L	l	e1	e2	kg
400	80	900	350	17.5	10	195
	100	900	350	17.5	10.5	200
	125	900	350	17.5	11	204
	150	900	350	17.5	12	205
	200	900	350	17.5	13	210
	250	900	350	17.5	14	215
	300	900	450	17.5	15.5	230
	350	900	450	17.5	16.5	240
	400	900	450	17.5	17.5	245
	450	100	950	375	19	10.5
150		950	375	19	12	255
200		950	375	19	13	260
250		950	375	19	14	265
300		950	475	19	15.5	280
350		950	475	19	16.5	285
500	400	950	475	19	17.5	295
	450	950	475	19	19	310
	100	1000	400	20	10.5	300
	150	1000	400	20	12	310
	200	1000	400	20	13	315
	250	1000	400	20	14	320
500	300	1000	500	20	15.5	335
	350	1000	500	20	16.5	340
	400	1000	500	20	17.5	350
	450	1000	500	20	19	355
	500	1000	500	20	20	365



Reducer

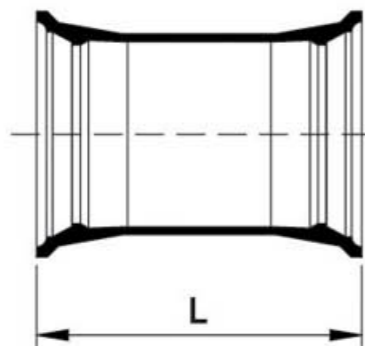
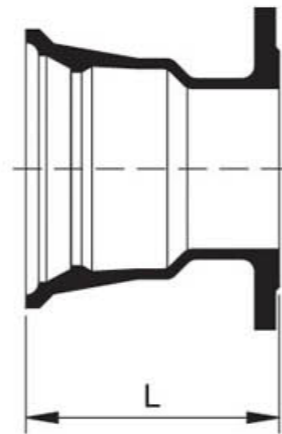
DN	dn	L	e1	e2	kg	
50	40	150	8	8	4	
60/65	40	206	8	8	5.5	
	50	216	8	8	6.1	
80	40	241	8.5	8	6	
	50	251	8.5	8	7	
	60	200	8.5	8	7.1	
65	266	8.5	8	8.3		
	100	50	249	8.5	8	9.9
	60	259	8.5	8	8.8	
65	264	8.5	8	9.4		
	80	200	8.5	8.5	9	
	125	50	290	9	8	9.1
60	300	9	8	10		
	65	305	9	8	11.2	
	80	360	9	8.5	10.7	
100	200	9	8.5	11.2		
	150	50	341	9.5	8	11
	60	351	9.5	8	11.4	
65	356	9.5	8	12		
	80	311	9.5	8.5	12.2	
	100	272	9.5	8.5	13.2	
125	200	9.5	9	14.4		
	200	80	300	9.5	8.5	20.6
	100	385	9.5	8.5	20.7	
125	326	9.5	9	22		
	150	300	9.5	9.5	24.6	
	250	80	300	12	8.5	
100	300	12	8.5	24		
	125	370	12	9	26	
	150	319	12	9.5	27	
200	300	12	9.5	33		
	300	100	300	13	8.5	35
	125	300	13	9	33	
150	424	13	9.5	37		
	200	323	13	9.5	40	
	250	300	13	12	45	



Express Joint, the seal is effected by compressing a wedge shaped gasket of elastomeric material, onto the jointing surface in the pipe socket and the outside of pipe spigot by means of a pressure gland and a series of bolts and nuts. It can be deflected up to 4° in any direction and can seal the higher pressure up to 25 bar.

Flanged Socket

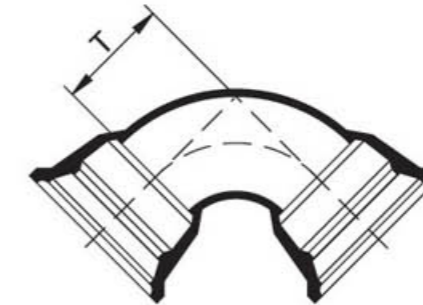
DN	L	kg
60	161	9.3
65	161	9.3
80	167	11.8
100	169	13.3
125	175	16
150	175	19.7
200	182	26.5
250	179	37.2
300	185	48.7
350	192	63
400	197	74.3
450	203	104.4
500	208	128.2
600	220	176
700	330	254
800	340	317
900	350	411
1,000	360	509



Collar

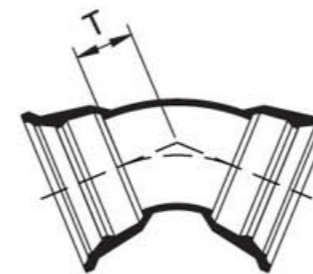
DN	L	kg
60	289	14.1
80	301	17.8
100	305	19.9
125	316	23.4
150	322	28.2
200	339	37.3
250	338	51.4
300	343	65.8
350	346	78.6
400	355	91.2
450	366	125.8
500	373	149.4
600	387	194.6
700	500	320
800	510	388
900	520	516
1,000	530	612

Double Socket Bend



Bend 1/4

DN	T	Kg
60	80	14
80	100	18.2
100	120	21.1
125	145	25.8
150	170	32.5
200	220	46.7
250	270	68.1
300	320	92.3
350	370	117.4
400	420	146.4
450	470	200.5
500	520	247.3
600	620	351.4
700	720	577
800	820	754
900	920	1,025
1,000	1,020	1,287



Bend 1/8

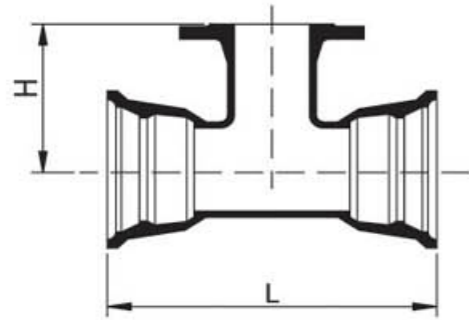
DN	T	Kg
60	45	13.6
80	55	17.3
100	65	19.9
125	75	23.8
150	85	29.6
200	110	41.1
250	130	58.6
300	150	77.4
350	175	96.3
400	195	117
450	220	161.7
500	240	196.3
600	285	270.9
700	330	439
800	370	558
900	415	758
1,000	460	934

Bend 1/16

DN	T	Kg
60	35	13.4
80	40	17.1
100	40	19.2
125	50	22.9
150	55	28.1
200	65	37.8
250	75	53.4
300	85	69.5
350	95	84.2
400	110	101.4
450	120	140
500	130	168.4
600	150	225.6
700	175	363
800	195	452
900	220	615
1,000	240	744

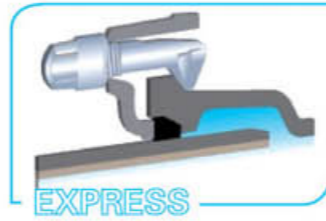
Bend 1/32

DN	T	Kg
60	25	13.7
80	30	17.7
100	30	19.8
125	35	23.8
150	35	28.9
200	40	39.2
250	50	50.8
300	55	65.5
350	60	78.5
400	65	92.5
450	70	128.3
500	75	153.3
600	85	202.1
700	95	322
800	110	398
900	120	538
1,000	130	643



Double Socket Tee With Flanged Branch

DN	dn	H	L	Kg
60	60	150	299	17,3
80	40	155	325	20,4
	60	160	325	21,2
	80	165	325	22,2
100	60	170	349	23,9
	65	170	349	23,9
	80	175	349	24,8
100	100	180	349	25,8
	60	190	335	29,5
	65	190	335	29,5
125	80	190	360	28,6
	100	195	395	30,3
	125	200	395	31,9
	200	200	366	33
150	65	200	366	33
	80	205	366	33,9
	100	210	426	36,6
	125	215	426	38,1
	150	220	426	40,1
200	60	230	383	43
	65	230	383	43
	80	235	383	43,9
	100	240	413	46,1
	150	250	503	53,1
250	200	260	503	57,1
	80	265	383	59
	100	270	383	59,8
	150	280	448	66,7
	200	290	563	76,6
300	250	300	563	82,4
	80	295	390	74,7
	100	300	390	75,5
	150	310	445	82,6
	200	320	570	94,8
350	250	330	570	100,4
	300	340	645	111,9
	80	325	396	88,5
	100	330	396	89,4
	150	340	461	97,8
350	200	350	576	110,8
	250	360	576	115,7
	350	380	696	140,4

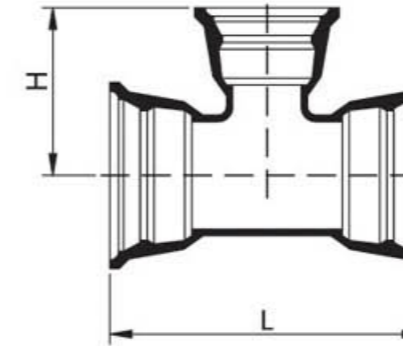


DN	dn	H	L	Kg
400	80	355	385	100,6
	100	360	440	107
	150	370	530	119,5
	200	380	530	123,1
	250	390	640	139,6
	300	400	640	145,6
450	400	420	760	174,1
	100	390	476	147,3
	150	400	476	150,6
	200	410	596	168,6
	250	420	596	173,8
	300	430	711	193,6
500	400	450	826	223,2
	450	460	826	234,2
	100	420	485	174
	150	430	485	177,3
	200	440	600	197
	250	450	600	202,3
600	300	460	715	224,2
	400	480	830	255,7
	500	500	890	290
	80	475	420	210
	100	480	500	225,7
	150	500	615	233,1
700	200	500	615	253,8
	300	520	730	285,8
	400	540	850	322,8
	600	580	1.020	413,4
	150	520	665	390
	200	525	665	393
800	250	535	665	435
	400	555	885	491
	600	585	1.215	619
	700	600	1.215	668
	150	580	681	472
	200	585	681	475
900	250	585	681	538
	400	615	901	590
	600	645	1.341	822
	800	675	1.341	872
	200	645	725	623
	250	635	725	725
1.000	400	675	945	758
	600	705	1.495	1.081
	900	750	1.495	1.164
	200	705	690	735
	250	705	690	739
	300	720	910	877
1.000	400	735	910	891
	600	765	1.570	1.327
	1.000	825	1.570	1.470



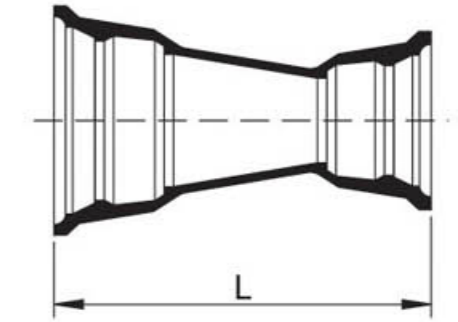
Cap

DN	L	Kg
80	120	9,2
100	120	10,6
125	120	12,7
150	125	15,8
200	130	22
250	135	32,2
300	145	43,8



All Socket Tee

DN	dn	H	L	Kg
80	80	175	340	26,6
100	80	185	354	29,1
	100	187	354	30
125	125	205	415	36,5
150	80	210	371	38,2
	100	212	371	39,1
	150	223	451	45,2
200	80	235	408	49
	100	237	408	49,9
	150	248	503	57,5
	200	259	503	61,3
250	250	289	583	89,2
300	300	325	625	117



Double Socket Taper

DN	dn	L	Kg
80	60	267	15,5
100	60	309	17,1
	80	272	18,3
125	80	325	20,9
	100	287	21,2
150	80	378	24,6
	100	340	24,9
	125	293	25,4
200	100	446	32,6
	125	399	33,1
	150	352	34,1
250	150	452	45,6
	200	358	46,3
300	150	553	58,5
	200	459	59,3
	250	359	61,2
350	250	472	75,3
	300	373	75,9
400	250	574	90,8
	300	475	91,4
	350	378	89,3
450	300	578	119,6
	400	383	113,9
500	350	583	141,9
	400	485	138,4
	450	388	143,8
600	400	690	192,8
	450	593	198,3
	500	495	195,9
700	500	720	320
	600	525	307
800	600	725	396
	700	560	381
900	700	760	538
	800	560	508
1.000	800	760	637
	900	560	613

EN545/EN598 Ductile iron pipe fittings



EXIMJITF Fittings



Ductile Iron Fittings For PVC Pipe (EN12842)



工艺流程
TECHNOLOGICAL PROCESS



造型 Moulding



制芯 Core Making



合箱 Closing



熔炼 Melting



合金球化 Magnesium Treatment



浇注 Metal Pouring



抛丸清理 Blasting



化学分析 Chemical Analysis



金相检验 Metallographic Test



机械性能 Mechanical Property



水压试验 Hydraulic Test



铸件 Casting Part



喷塑 Epoxy Coating



包装 Packing

Outside pipe Diameter

Imperial	2"	2.5"	3"	4"	5"	6"	7"	8"	9"	10"	12"	14"	15"	16"	18"	20"	21"	22"	24"
Metric DN	50mm	65mm	80mm	100mm	125mm	150mm	175mm	200mm	225mm	250mm	300mm	350mm	375mm	400mm	450mm	500mm	525mm	550mm	600mm
Steel	60.3	76.1	88.9	114.3	139.7	168.3	193.7	219.1	244.5	273	323.9	355.6		406.47	457	508		559	610
Imperial Cast Iron Class AB	69.1	82.3	95.5	121.9	149.9	177.3	204.7	232.2	259.1	286	333.8	387	413	439	492	545	572	598	650
Imperial Cast Iron Class CD	69.1	82.3	95.5	121.9	149.9	177.3	204.7	232.2	259.1	286	345.4	399.3	426.2	453.1	506.9	560.3	587.2	613.7	667
Imperial UPVC	60.4	75.2	88.9	114.1	140	168.3	193.8	219.1	244.5	273	323.9	355.5		406.4	457.2	508		558.8	609.6
Metric UPVC	63	75	90	110	140	160	180	200	225	250	315	355		400					
High Density PE	63		90	110		160													
Asbestos Cement CI 15(turned end)	69.1		96	122		177		232	259.1	286	334	392		448	498	568			654
Asbestos Cement CI 20(turned end)	69.1		96	122		177		232	259.1	286	345	405		463	515	586			672
Asbestos Cement CI 25(turned end)	69.1		96	122		177		240	268	295	356	419		478	532	605			691
GRP Pipe	60.3	73	88.9	114.3	139.7	168.3		219.1		273	323.9	368		429		532			
Ductile Iron Pipe			98	118		170		222		274	326	378		429	480	532			635