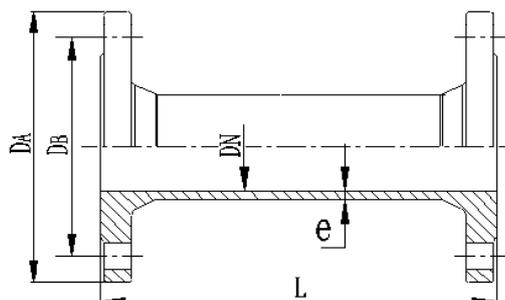


Ductile cast iron fix flanged fittings EN545 standard PN10/16 (Epoxy powder coating inside and out)

单位: mm



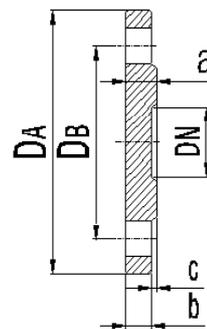
DOUBLE FLANGED PIPE FF

Spe.	DN																	
	40	50	60	65	80	100	125	150	200	250	300	350	400	450	500	600		
e	7.0	7.0	7.0	7.0	7.0	7.2	7.5	7.8	8.4	9.0	9.6	10.2	10.8	11.4	12	13.2		
PN10	DA	150	165	175	185	200	220	250	285	340	400	455	505	565	615	670	780	
	DB	110	125	135	145	160	180	210	240	295	350	400	460	515	565	620	725	
PN16	DA	150	165	175	185	200	220	250	285	340	400	455	520	580	640	715	840	
	DB	110	125	135	145	160	180	210	240	295	355	410	470	525	585	650	770	
L	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	
	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	
	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	
	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450
	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
					600	600	600	600	600	600	600	600	600	600	600	600	600	600
						700	700	700	700	700	700	700	700	700	700	700	700	700
					800	800	800	800	800	800	800	800	800	800	800	800	800	
					900	900	900	900	900	900	900	900	900	900	900	900	900	
					1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	

BLIND FLANGE X

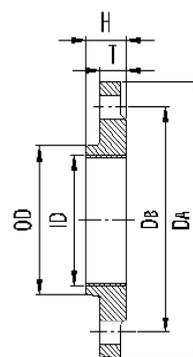
单位: mm

DN	PN10					PN16					PN10 kg	PN16 kg
	a	b	c	DA	DB	a	b	c	DA	DB		
40	19	16	3	150	110	19	16	3	150	110		
50	19	16	3	165	125	19	16	3	165	125		
60	19	16	3	175	135	19	16	3	175	135		
65	19	16	3	185	145	19	16	3	185	145		
80	19	16	3	200	160	19	16	3	200	160		
100	19	16	3	220	180	19	16	3	220	180		
125	19	16	3	250	210	19	16	3	250	210		
150	19	16	3	285	240	19	16	3	285	240		
200	20	17	3	340	295	20	17	3	340	295		
250	22	19	3	400	350	22	19	3	400	355		
300	24.5	20.5	4	455	400	24.5	20.5	4	455	410		
350	24.5	20.5	4	505	460	26.5	22.5	4	520	470		
400	24.5	20.5	4	565	515	28	24	4	580	525		
450	25.5	21.5	4	615	565	30	26	4	640	585		
500	26.5	22.5	4	670	620	31.5	27.5	4	715	650		
600	30	25	5	780	725	36	31	5	840	770		



BLIND FLANGE WITH THREADS

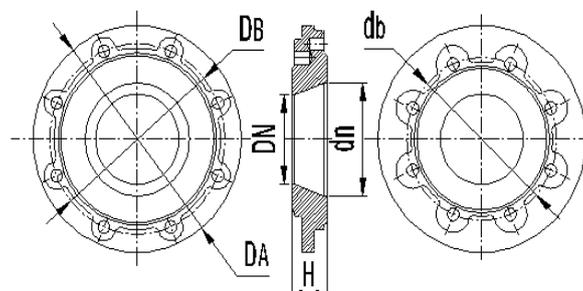
DN	ID	OD	T	H	PN10		PN16		PN10	PN16
					DA	DB	DA	DB	kg	kg
40	1 1/2"	57	19	22.5	150	110	150	110		
50	2"	68		27.5	165	125	165	125		
65	2 1/3"	83		29.5	185	145	185	145		
80	3"	105		30	200	160	200	160		
100	4"	126		30.5	220	180	220	180		
125	5"	138		31	250	210	250	210		
150	6"	179		31.5	285	240	285	240		
200	8"	235	20	35.5	340	295	340	295		
250	10"	290	22	43.5	400	350	400	355		
300	12"	335	24.5	57	455	400	455	410		



单位: mm

Reduced Flange

dn/DN	H	db	PN10		PN16		PN10	PN16				
			DA	DB	DA	DB	kg	kg				
60/40 (D)	45	110	175	135	175	135						
60/50 (D)	50	125										
65/40 (D)	38	110	185	145	185	145						
65/50 (D)	45	125										
80/40 (D)	30	110	200	160	200	160						
80/50 (D)	30	125										
80/60 (D)	33	135										
80/65 (D)	30	145										
100/40 (S)	30	110	220	180	220	180						
100/60 (D)	30	135										
100/65 (D)	30	145										
100/80 (D)	45	160										
125/60 (D)	30	135	250	210	250	210						
125/65 (D)	30	145										
125/80 (D)	31	160										
125/100 (D)	42	180										
150/60 (S)	33	135	285	240	285	240						
150/65 (S)	33	145										
150/80 (S)	30	160										
150/100 (D)	30	180										
200/60 (S)	33	135					340	295	340	295		
200/65 (S)	33	145										
200/80 (S)	33	160										
200/100 (S)	33	180										
200/125 (S)	30	210										
200/150 (D)	38	240										
250/150 (S)	40	240	400	350	400	355						
250/200 (D)	50	295										
300/250 (D)	54	350					455	400	455	410		

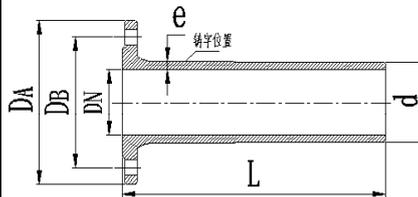


单位: mm

FLANGED SPIGOT F

单位: mm

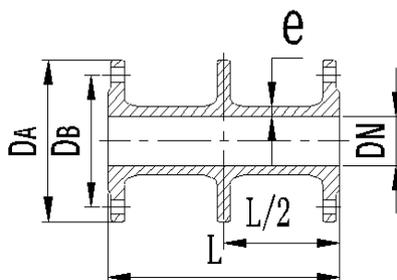
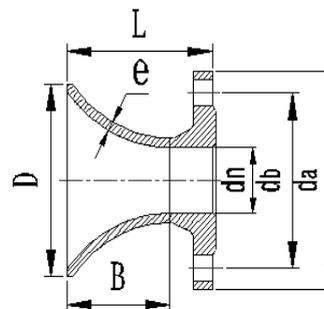
DN	d	e	L	PN10		PN16		kg	
				DA	DB	DA	DB	PN10	PN16
80	98	7.0	1000	200	160	200	160		
100	118	7.2	1000	220	180	220	180		
125	144	7.5	1000	250	210	250	210		
150	170	7.8	1000	285	240	285	240		
200	222	8.4	1000	340	295	340	295		
250	274	9.0	1000	400	350	400	355		
300	326	9.6	1000	455	400	455	410		
350	378	10.2	1000	505	460	520	470		
400	429	10.8	1000	565	515	580	525		
450	480	11.4	1000	615	565	640	585		
500	532	12	1000	670	620	715	650		
600	635	13.2	1000	780	725	840	770		



FLANGED BELL MOUTH OMS

单位: mm

DN	e	L	B	D	PN10		PN16		kg	
					DA	DB	DA	DB	PN10	PN16
80	7.0	135	80	160	200	160	200	160		
100	7.2	140	85	185	220	180	220	180		
150	7.8	155	95	245	285	240	285	240		
200	8.4	170	110	310	340	295	340	295		
250	9	190	120	370	400	350	400	355		
300	9.6	210	135	435	455	400	455	410		
350	10.2	225	145	495	505	460	520	470		
400	10.8	245	160	560	565	515	580	525		
450	11.4	260	170	620	615	565	640	585		
500	12	280	185	685	670	620	715	650		
600	13.2	300	210	810	700	725	840	770		



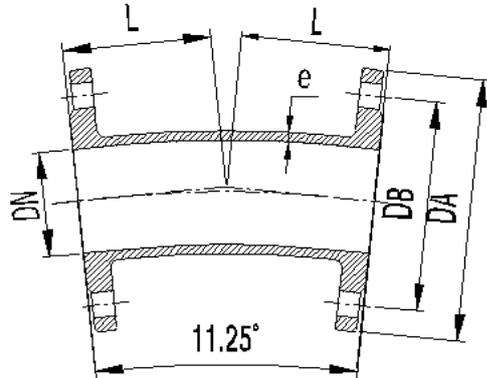
Flanged WALL PIPE FFM

规格	DN																
	40	50	60	65	80	100	125	150	200	250	300	350	400	450	500	600	
e	7.0	7.0	7.0	7.0	7.0	7.2	7.5	7.8	8.4	9.0	9.6	10.2	10.8	11.4	12	13.2	
PN10	DA	150	165	175	185	200	220	250	285	340	400	455	505	565	615	670	780
	DB	110	125	135	145	160	180	210	240	295	350	400	460	515	565	620	725
PN16	DA	150	165	175	185	200	220	250	285	340	400	455	520	580	640	715	840
	DB	110	125	135	145	160	180	210	240	295	355	410	470	525	585	650	770
L						500	500	500	500	500	500	500	500	500	500	500	500
						1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

11.25° DOUBLE FLANGED BEND FFK 11.25°

DN	e	L	PN10		PN16		kg	
			DA	DB	DA	DB	PN10	PN16
40	7.0	99	150	110	150	110		
50	7.0	109	165	125	165	125		
60	7.0	119	175	135	175	135		
80	7.0	113	200	160	200	160		
100	7.2	115	220	180	220	180		
125	7.5	111	250	210	250	210		
150	7.8	113	285	240	285	240		
200	8.4	132	340	295	340	295		
250	9.0	165	400	350	400	355		
300	9.6	175	455	400	455	410		
350	10.2	191	505	460	520	470		
400	10.8	205	565	515	580	525		
450	11.4	349	615	565	640	585		
500	12	375	670	620	715	650		
600	13.2	426	780	725	840	770		

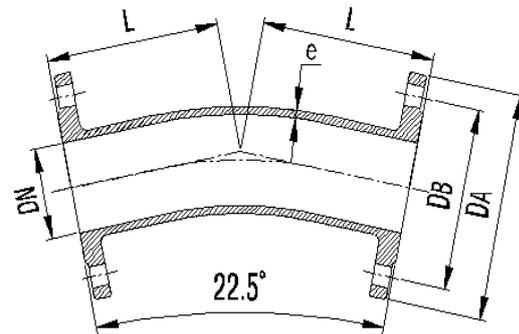
单位: mm



22.5° DOUBLE FLANGED BEND FFK 22.5°

DN	e	L	PN10		PN16		kg	
			DA	DB	DA	DB	PN10	PN16
40	7.0	94	150	110	150	110		
50	7.0	104	165	125	165	125		
60	7.0	114	175	135	175	135		
80	7.0	105	200	160	200	160		
100	7.2	110	220	180	220	180		
125	7.5	105	250	210	250	210		
150	7.8	109	285	240	285	240		
200	8.4	131	340	295	340	295		
250	9.0	190	400	350	400	355		
300	9.6	210	455	400	455	410		
350	10.2	210	505	460	520	470		
400	10.8	239	565	515	580	525		
450	11.4	349	615	565	640	585		
500	12	375	670	620	715	650		
600	13.2	426	780	725	840	770		

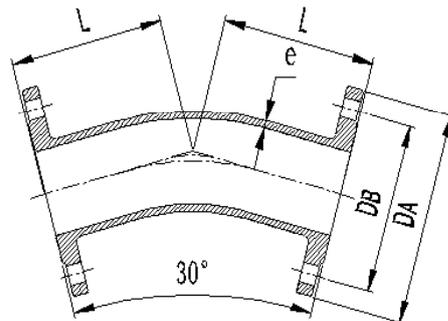
单位: mm

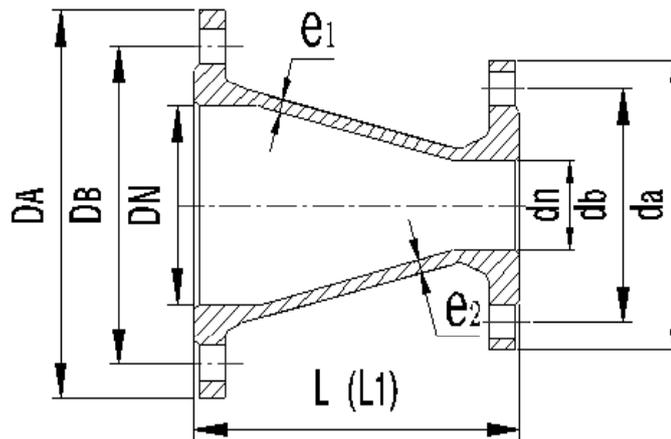


30° DOUBLE FLANGED BEND FFK 30°

DN	e	L	PN10		PN16		kg	
			DA	DB	DA	DB	PN10	PN16
40	7.0	94	150	110	150	110		
50	7.0	104	165	125	165	125		
60	7.0	114	175	135	175	135		
80	7.0	105	200	160	200	160		
100	7.2	110	220	180	220	180		
125	7.5	105	250	210	250	210		
150	7.8	109	285	240	285	240		
200	8.4	131	340	295	340	295		
250	9.0	190	400	350	400	355		
300	9.6	210	455	400	455	410		
350	10.2	210	505	460	520	470		
400	10.8	239	565	515	580	525		
450	11.4	349	615	565	640	585		
500	12	375	670	620	715	650		
600	13.2	426	780	725	840	770		

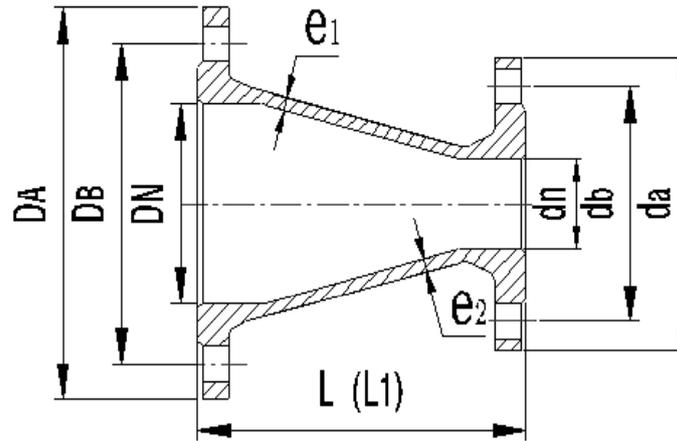
单位: mm





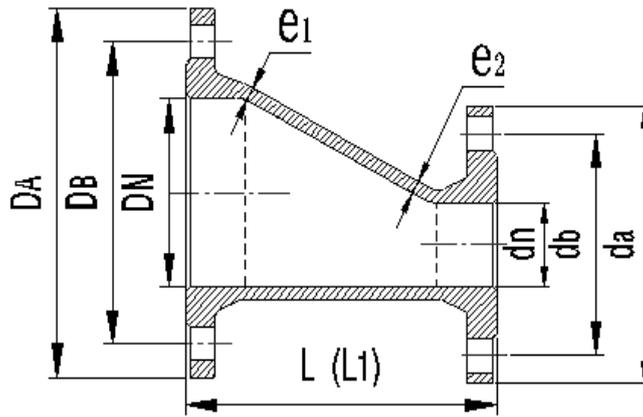
DOUBLE FLANGED TAPER FFR

DN	dn	e ₁	e ₂	L	(L ₁)	PN10				PN16				kg	
						DA	DB	da	db	DA	DB	da	db	PN10	PN16
50	40	7.0	7.0	150	150	165	125	150	110	165	125	150	110		
60	50	7.0	7.0	150	150	175	135	165	125	175	135	165	125		
65	50	7.0	7.0	200	200	185	145	165	125	185	145	165	125		
80	40	7.0	7.0	200	200	200	160	150	110	200	160	150	110		
	50		7.0	200	200			165	125			165	125		
	60		7.0	200	200			175	135			175	135		
	65		7.0	200	200			185	145			185	145		
100	50	7.2	7.0	200	200	220	180	165	125	220	180	165	125		
	65		7.0	200	200			185	145			185	145		
	80		7.0	200	200			200	160			200	160		
125	65	7.5	7.0	200	200	250	210	185	145	250	210	185	145		
	80		7.0	200	200			200	160			200	160		
	100		7.2	200	200			220	180			220	180		
150	50	7.8	7.0	200	300	285	240	165	125	285	240	165	125		
	80		7.0	300	400			200	160			200	160		
	100		7.2	300	300			220	180			220	180		
	125		7.5	300	200			250	210			250	210		
200	80	8.4	7.0	300	300	340	295	200	160	340	295	200	160		
	100		7.2	300	600			220	180			220	180		
	125		7.5	300	300			250	210			250	210		
	150		7.8	300	300			285	240			285	240		



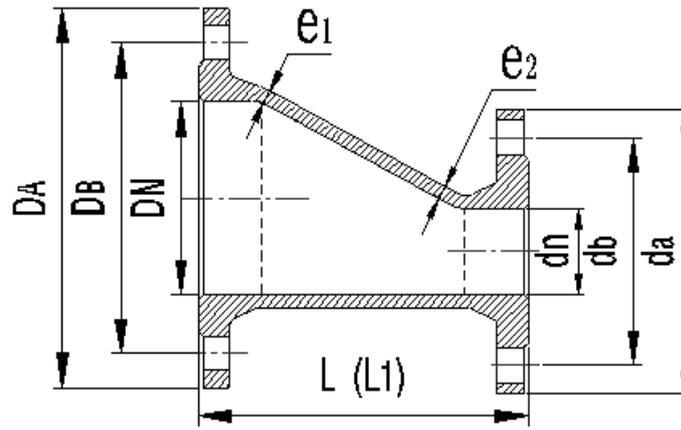
DOUBLE FLANGED TAPER FFR

DN	dn	e1	e2	L	(L1)	PN10				PN16				kg	
						DA	DB	da	db	DA	DB	da	db	PN10	PN16
250	80	9.0	7.0	300	600	400	350	200	160	400	355	200	160		
	100		7.2	300	600			220	180			220	180		
	150		7.8	300	600			285	240			285	240		
	200		8.4	300	300			340	295			340	295		
300	100	9.6	7.2	300	300	455	400	220	180	455	410	220	180		
	150		7.8	300	600			285	240			285	240		
	200		8.4	300	600			340	295			340	295		
	250		9.0	300	300			400	350			400	350		
350	200	10.2	8.4	300	600	505	460	340	295	520	470	340	295		
	250		9.0	300	600			400	350			400	350		
	300		9.6	300	300			455	400			455	410		
400	200	10.8	8.4	300	600	565	515	340	295	580	525	340	295		
	250		9.0	300	600			400	350			400	350		
	300		9.6	300	600			455	400			455	410		
	350		10.2	300	300			505	460			520	470		
450	250	11.4	9.0	300	600	615	565	400	350	640	585	400	350		
	300		9.6	300	600			455	400			455	410		
	350		10.2	300	600			505	460			520	470		
	400		10.8	300	300			565	515			580	525		
500	250	12	9.0	300	700	670	620	400	350	715	650	400	350		
	300		9.6	300	600			455	400			455	410		
	350		10.2	300	600			505	460			520	470		
	400		10.8	300	600			565	515			580	525		
	450		11.4	300	300			615	565			580	525		
600	300	13.2	9.6	300	800	700	725	455	400	840	770	455	410		
	350		10.2	300	700			505	460			520	470		
	400		10.8	300	600			565	515			580	525		
	450		11.4	300	600			615	565			640	585		
	500		12	300	600			670	620			715	650		



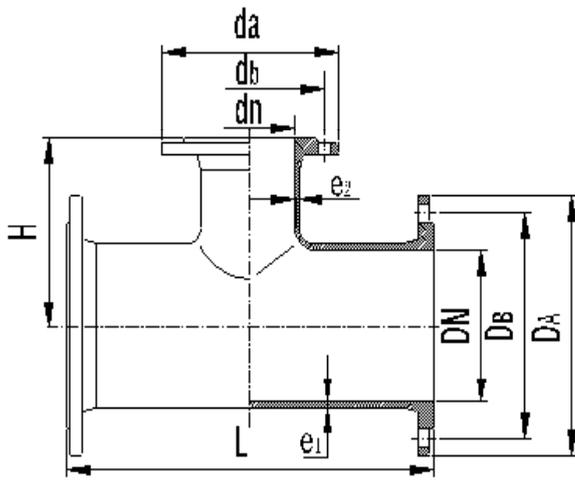
DOUBLE FLANGED ECCENTRIC TAPER FFRE

DN	dn	e1	e2	L	(L1)	PN10				PN16				kg	
						DA	DB	da	db	DA	DB	da	db	PN10	PN16
50	40	7.0	7.0	150	150	165	125	150	110	165	125	150	110		
60	50	7.0	7.0	150	150	175	135	165	125	175	135	165	125		
65	50	7.0	7.0	200	200	185	145	165	125	185	145	165	125		
80	40	7.0	7.0	200	200	200	160	150	110	200	160	150	110		
	50		7.0	200	200			165	125			165	125		
	60		7.0	200	200			175	135			175	135		
	65		7.0	200	200			185	145			185	145		
100	50	7.2	7.0	200	200	220	180	165	125	220	180	165	125		
	65		7.0	200	200			185	145			185	145		
	80		7.0	200	200			200	160			200	160		
125	65	7.5	7.0	200	200	250	210	185	145	250	210	185	145		
	80		7.0	200	200			200	160			200	160		
	100		7.2	200	200			220	180			220	180		
150	50	7.8	7.0	200	300	285	240	165	125	285	240	165	125		
	80		7.0	200	400			200	160			200	160		
	100		7.2	200	300			220	180			220	180		
	125		7.5	200	200			250	210			250	210		
200	80	8.4	7.0	300	300	340	295	200	160	340	295	200	160		
	100		7.2	300	600			220	180			220	180		
	125		7.5	300	300			250	210			250	210		
	150		7.8	300	300			285	240			285	240		
250	80	9.0	7.0	300	600	400	350	200	160	400	350	200	160		
	100		7.2	300	600			220	180			220	180		
	150		7.8	300	600			285	240			285	240		
	200		8.4	300	300			340	295			340	295		
300	100	9.6	7.2	300	300	455	400	220	180	455	410	220	180		
	150		7.8	300	600			285	240			285	240		
	200		8.4	300	600			340	295			340	295		
	250		9.0	300	300			400	350			400	350		
350	200	10.2	8.4	300	600	505	460	340	295	520	470	340	295		
	250		9.0	300	600			400	350			400	350		
	300		9.6	300	300			455	400			455	410		
400	200	10.8	8.4	300	600	565	515	340	295	580	525	340	295		
	250		9.0	300	600			400	350			400	350		
	300		9.6	300	600			455	400			455	410		
	350		10.2	300	300			505	460			505	470		



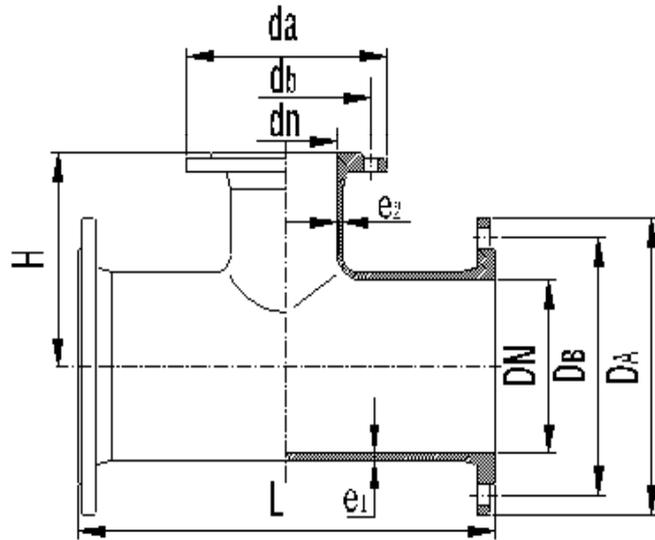
DOUBLE FLANGED ECCENTRIC TAPER FFERE

DN	dn	e1	e2	L	(L1)	PN10				PN16				kg	
						DA	DB	da	db	DA	DB	da	db	PN10	PN16
450	250	11.4	9.0	300	600	615	565	400	350	640	585	400	355		
	300		9.6	300	600			455	400			455	410		
	350		10.2	300	600			505	460			520	470		
	400		10.8	300	300			565	515			580	525		
500	250	12	9.0	300	700	670	620	400	350	715	650	400	355		
	300		9.6	300	600			455	400			455	410		
	350		10.2	300	600			505	460			520	470		
	400		10.8	300	600			565	515			580	525		
	450		11.4	300	300			615	565			580	525		
600	300	13.2	9.6	300	800	700	725	455	400	840	770	455	410		
	350		10.2	300	700			505	460			520	470		
	400		10.8	300	600			565	515			580	525		
	450		11.4	300	600			615	565			640	585		
	500		12	300	600			670	620			715	650		



(T) TYPE ALL FLANGED TEE T

DN	dn	e1	e2	H	L	PN10				PN16				kg				
						DA	DB	da	db	DA	DB	da	db	PN10	PN16			
40	40	7.0	7.0	140	280	150	110	150	110	150	110	150	110					
50	50	7.0	7.0	150	300	165	125	165	125	165	125	165	125					
60	40	7.0	7.0	130	300	175	135	150	110	175	135	150	110					
	60		7.0	160	320			175	135			175	135					
65	65	7.0	7.0	165	330	185	145	185	145	185	145	185	145					
80	40	7.0	7.0	135	310	200	160	150	110	200	160	150	110					
	50		7.0	135	310			165	125			165	125					
	60		7.0	155	310			175	135			175	135					
	80		7.0	165	330			200	160			200	160					
100	40	7.2	7.0	145	320	220	180	150	110	220	180	150	110					
	60		7.0	165	320			175	135			175	135					
	80		7.0	175	360			200	160			200	160					
	100		7.2	180	360			220	180			220	180					
125	40	7.5	7.0	160	330	250	210	150	110	250	210	150	110					
	60		7.0	180	330			175	135			175	135					
	80		7.0	190	400			200	160			200	160					
	100		7.2	195	400			220	180			220	180					
	125		7.5	200	400			250	210			250	210					
150	40	7.8	7.0	170	340	285	240	150	110	285	240	150	110					
	60		7.0	190	340			175	135			175	135					
	80		7.0	205	440			200	160			200	160					
	100		7.2	210	440			220	180			220	180					
	125		7.5	215	440			250	210			250	210					
	150		7.8	220	440			285	240			285	240					
200	40	8.4	7.0	195	365	340	295	150	110	340	295	150	110					
	60		7.0	215	365			175	135			175	135					
	80		7.0	235	520			200	160			200	160					
	100		7.2	240	520			220	180			220	180					
	125		7.5	240	435			250	210			250	210					
	150		7.8	250	520			285	240			285	240					
	200		8.4	260	520			340	295			340	295					
250	60	9.0	7.0	260	385	400	350	175	135	400	350	175	135					
	80		7.0	265	405			200	160			200	160					
	100		7.2	275	700			220	180			220	180					
	150		7.5	280	485			285	240			285	240					
	200		8.4	325	700			340	295			340	295					
	250		9.0	350	700			400	350			400	350					



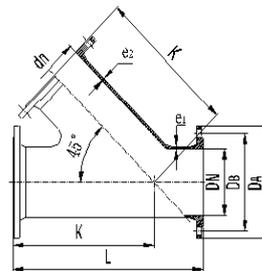
(T) TYPE ALL FLANGED TEE T

DN	dn	e1	e2	H	L	PN10				PN16				kg			
						DA	DB	da	db	DA	DB	da	db	PN10	PN16		
300	60	9.6	7.0	290	405	455	400	175	135	455	410	175	135				
	80		7.0	295	425			200	160			200	160				
	100		7.2	300	800			220	180			220	180				
	150		7.5	310	505			285	240			285	240				
	200		8.4	350	800			340	295			340	295				
	250		9.0	330	620			400	350			400	350				
	300		9.6	400	800			455	400			455	410				
350	60	10.2	7.0	320	430	505	460	175	135	520	470	175	135				
	80		7.0	325	445			200	160			200	160				
	100		7.2	325	850			220	180			220	180				
	150		7.5	340	530			285	240			285	240				
	200		8.4	325	850			340	295			340	295				
	250		9.0	360	645			400	350			400	350				
	350		10.2	425	850			505	460			520	470				
400	60	10.8	7	300	900	565	515	175	135	580	525	175	135				
	80		7.0	355	470			200	160			200	160				
	100		7.2	350	900			220	180			220	180				
	150		7.5	370	550			285	240			285	240				
	200		8.4	350	900			340	295			340	295				
	250		9.0	390	665			400	350			400	350				
	300		9.6	400	725			455	400			455	410				
	400		10.8	450	900			565	515			580	525				
450	100	11.4	7.2	375	950	615	565	220	180	640	585	220	180				
	150		7.5	400	570			285	240			285	240				
	200		8.4	375	950			340	295			340	295				
	250		9.0	420	690			400	350			400	350				
	300		9.6	430	745			455	400			455	410				
	400		10.8	450	860			565	515			580	525				
	450		11.4	475	950			615	565			640	585				
500	100	12.0	7.2	400	1000	670	620	220	180	715	650	220	180				
	200		8.4	400	1000			340	295			340	295				
	400		10.8	500	1000			565	515			580	525				
	500		12.0	500	1000			670	620			715	650				
	200		8.4	450	1100			340	295			340	295				
600	400	10.8	550	1100	780	725	565	515	840	770	580	525					
	600	13.2	550	1100			780	725			840	770					

ALL FLANGED ANGLE BRANCH FFC

DN	dn	e1	e2	K	L	PN10		PN16		kg	
						DA	DB	DA	DB	PN10	PN16
80	80	7.0	7.0	375	500	200	160	200	160		
100	100	7.2	7.2	405	540	220	180	220	180		
150	150	7.8	7.8	480	640	285	240	285	240		
200	200	8.4	8.4	560	735	340	295	340	295		
250	250	9.0	9.0	640	830	400	350	400	355		
300	300	9.6	9.6	715	930	455	400	455	410		
350	350	10.2	10.2	790	880	505	460	520	470		
400	400	10.8	10.8	870	970	565	515	580	525		
450	450	11.4	11.4	950	1060	615	565	640	585		
500	500	12	12	1025	1140	670	620	715	650		
600	600	13.2	13.2	1180	1310	780	725	840	770		

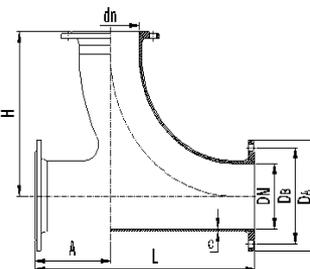
单位: mm



ALL FLANGED RADIUS BRANCH SCH

DN	dn	e	H	A	L	PN10		PN16		kg	
						DA	DB	DA	DB	PN10	PN16
80	80	7.0	380	165	545	200	160	200	160		
100	100	7.2	400	180	580	220	180	220	180		
150	150	7.8	450	220	670	285	240	285	240		
200	200	8.4	500	260	760	340	295	340	295		
250	250	9.0	550	350	900	400	350	400	355		
300	300	9.6	600	400	1000	455	400	455	410		
350	350	10.2	650	450	1100	505	460	520	470		
400	400	10.8	700	500	1200	565	515	580	525		
450	450	11.4	750	550	1300	615	565	640	585		
500	500	12	800	600	1400	670	620	715	650		
600	600	13.2	900	700	1600	780	725	840	770		

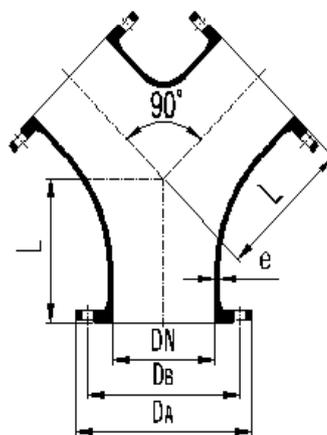
单位: mm



(Y) TYPE ALL FLANGED TEE Y

DN	dn	e	A	PN10		PN16		kg	
				DA	DB	DA	DB	PN10	PN16
80	80	7.0	165	200	160	200	160		
100	100	7.2	180	220	180	220	180		
150	150	7.8	220	285	240	285	240		
200	200	8.4	260	340	295	340	295		
250	250	9.0	350	400	350	400	355		
300	300	9.6	400	455	400	455	410		
350	350	10.2	450	505	460	520	470		
400	400	10.8	500	565	515	580	525		
450	450	11.4	550	615	565	640	585		
500	500	12	600	670	620	715	650		
600	600	13.2	700	780	725	840	770		

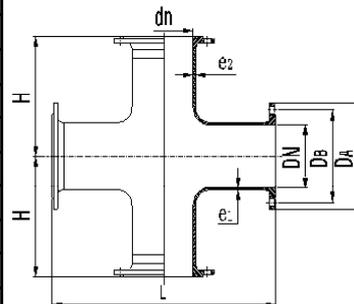
单位: mm



ALL FLANGED CROSS TT

DN	dn	e	e ₁	H	L	PN10		PN16		kg	
						DA	DB	DA	DB	PN10	PN16
80	80	7.0	7.0	165	330	200	160	200	160		
100	100	7.2	7.2	180	360	220	180	220	180		
150	150	7.8	7.8	220	440	285	240	285	240		
200	200	8.4	8.4	260	520	340	295	340	295		
250	250	9.0	9.0	350	700	400	350	400	355		
300	300	9.6	9.6	400	800	455	400	455	410		
350	350	10.2	10.2	425	850	505	460	520	470		
400	400	10.8	10.8	450	900	565	515	580	525		
450	450	11.4	11.4	475	950	615	565	640	585		
500	500	12	12	500	1000	670	620	715	650		
600	600	13.2	13.2	550	1100	780	725	840	770		

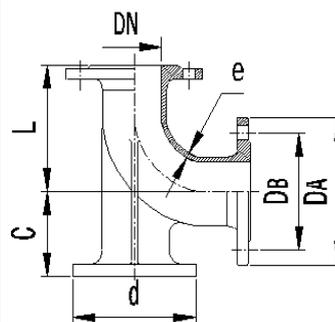
单位: mm



DOUBLE FLANGED DUCKFOOT BEND N 90°

DN	e	L	C	d	PN10		PN16		kg	
					DA	DB	DA	DB	PN10	PN16
50	7.0	150	95	150	165	125	165	125		
60	7.0	160	100	160	175	135	175	135		
80	7.0	165	110	180	200	160	200	160		
100	7.2	180	125	200	220	180	220	180		
125	7.5	200	140	225	250	210	250	210		
150	7.8	220	160	250	285	240	285	240		
200	8.4	260	190	300	340	295	340	295		
250	9.0	350	225	350	400	350	400	355		
300	9.6	400	255	400	455	400	455	410		
350	10.2	450	290	450	505	460	520	470		
400	10.8	500	320	500	565	515	580	525		
450	11.4	550	355	550	615	565	640	585		
500	12	600	385	600	670	620	715	650		
600	13.2	700	450	700	725	670	770	710		

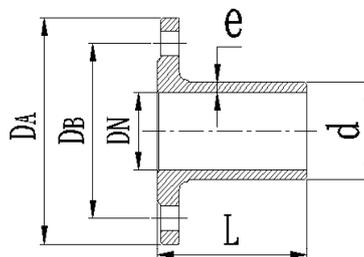
单位: mm



FLANGED SPIGOT for PVC FW

DN	d	e	L	PN10		PN16		kg	
				DA	DB	DA	DB	PN10	PN16
40	56	7.0	335	150	110	150	110		
50	66	7.0	340	165	125	165	125		
65	82	7.0	345	185	145	185	145		
80	98	7.0	350	200	160	200	160		
100	118	7.2	360	220	180	220	180		
125	144	7.5	370	250	210	250	210		
150	170	7.8	380	285	240	285	240		
200	222	8.4	400	340	295	340	295		
250	274	9.0	420	400	350	400	355		
300	326	9.6	440	455	400	455	410		
350	378	10.2	460	505	460	520	470		
400	429	10.8	480	565	515	580	525		
450	480	11.4	500	615	565	640	585		
500	532	12	520	670	620	715	650		
600	635	13.2	560	780	725	840	770		

单位: mm



LOOSING FLANGE FITTINGS

Standards:

ISO2531:2009 Ductile Iron Pipes,Fittings,Accessories and Their Joints for Water Applications

BS EN545:2006 Ductile Iron Pipes,Fittings, Accessories and Their Joints for Water Pipelines

BS EN598:2007 Ductile Iron Pipes,Fittings, Accessories and Their Joints for Sewerage Applications

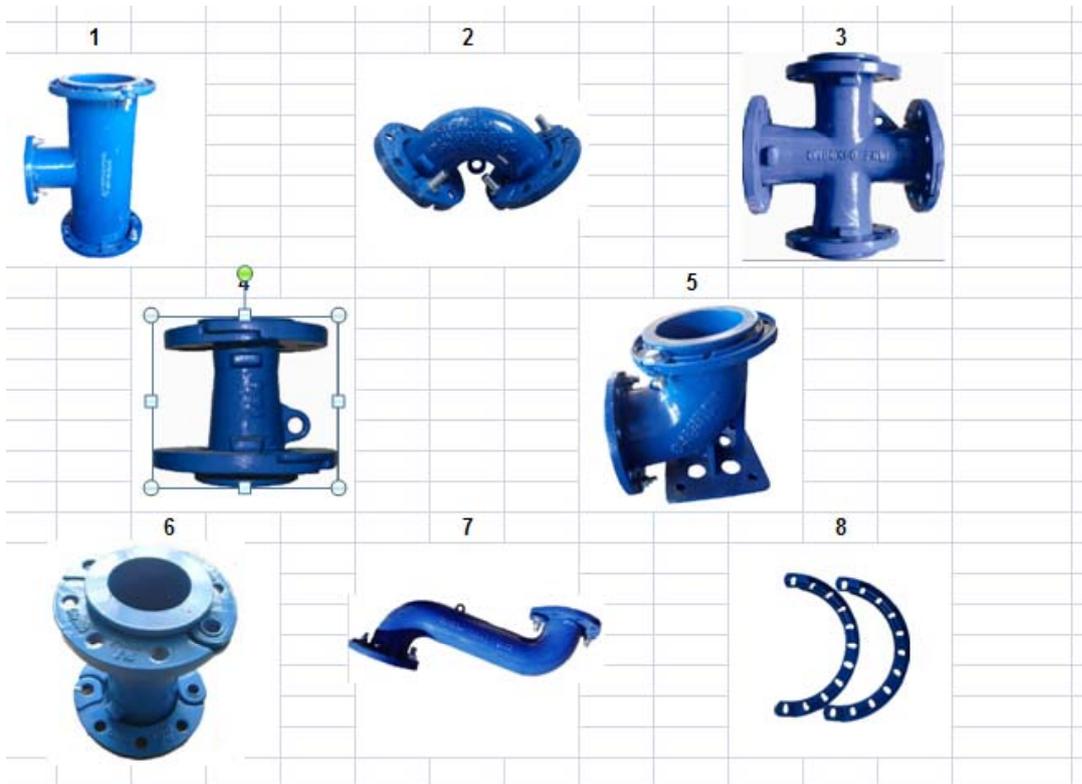
Flange Drilled:

BS EN1092-2 Flanges and Their Joints Part 2. Cast Iron Flanges

ISO7005-2 Metallic Flanges - Part 2. Cast Iron Flanges

Coating:

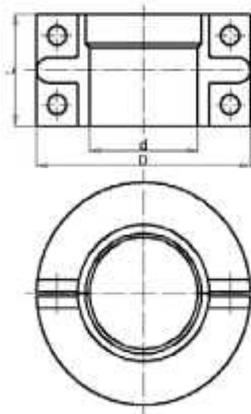
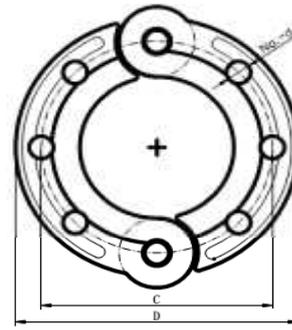
FBE/ Epoxy / Bitumen / Cement + Bitumen



Loosing Flange

Flange Dimensions: BS EN1092-2
Loosing Flange for DN40 - DN1000

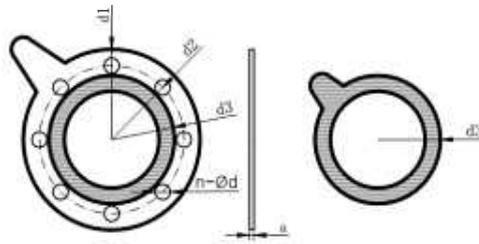
DN	PN10						PN16					
	D	C	Bolt			Weight (Kg)	D	C	Bolt			Weight (Kg)
d	Size	No.	D	C	d		Size	No.	Weight (Kg)			
40	150	110	19	M16	4	1.4	150	110	19	M16	4	1.4
50	165	125	19	M16	4	1.6	165	125	19	M16	4	1.6
60	175	135	19	M16	4	2.0	175	135	19	M16	4	2.0
65	185	145	19	M16	4	2.2	185	145	19	M16	4	2.2
80	200	160	19	M16	8	2.4	200	160	19	M16	8	2.4
100	220	180	19	M16	8	2.7	220	180	19	M16	8	2.7
125	250	210	19	M16	8	3.6	250	210	19	M16	8	3.6
150	285	240	23	M20	8	4.2	285	240	23	M20	8	4.2
200	340	295	23	M20	8	6.0	340	295	23	M20	12	5.7
250	400	350	23	M20	12	8.6	400	355	28	M24	12	8.5
300	455	400	23	M20	12	11.3	455	410	28	M24	12	11.0
350	505	460	23	M20	16	14.5	520	470	28	M24	16	14.9
400	565	515	28	M24	16	20.0	580	525	31	M27	16	21.0
450	615	565	28	M24	20	26.0	640	585	31	M27	20	29.0
500	670	620	28	M24	20	28.0	715	650	34	M30	20	38.0
600	780	725	31	M27	20	33.0	840	770	37	M33	20	58.0
700	895	840	31	M27	24	35.0	910	840	37	M33	24	64.0
800	1015	950	34	M30	24	41.0	1025	950	40	M36	24	70.0
900	1115	1050	34	M30	28	50.0	1125	1050	40	M36	28	79.0
1000	1230	1160	37	M33	28	65.0	1255	1170	43	M39	28	92.0



Loosing Puddle Flange

DN	D	L	d	Weight (Kg)
80	260	110	100	11.5
100	305	110	120	14.5
125	345	130	146	19
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	130	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	342
1100	1440	200	1160	378
1200	1570	225	1263	487
1400	1780	225	1470	634
1600	1996	225	1686	702

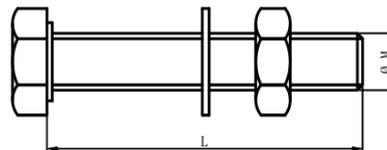
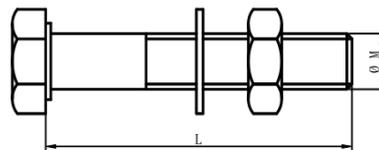
Gaskets



Flange Gaskets for PN10					Flange Gaskets for PN16				
d1	d2	d3	a	n-Ød	d1	d2	d3	a	n-Ød
150	110	84	3	4-19	150	110	84	3	4-19
165	125	99	3	4-19	165	125	99	3	4-19
175	135	109	3	4-19	175	135	109	3	4-19
185	145	118	3	4-19	185	145	118	3	4-19
200	160	132	3	8-19	200	160	132	3	8-19
220	180	156	3	8-19	220	180	156	3	8-19
250	210	184	3	8-19	250	210	184	3	8-19
285	240	211	3	8-23	285	240	211	3	8-23
340	295	266	3	8-23	340	295	266	3	12-23
400	350	319	4	12-23	400	355	319	4	12-28
455	400	370	4	12-23	455	410	370	4	12-28
505	460	429	4	16-23	520	470	429	4	16-28
565	515	480	4	16-28	580	525	480	4	16-31
615	565	530	4	20-28	640	585	548	4	20-31
670	620	582	5	20-28	715	650	609	5	20-34
780	725	682	5	20-31	840	770	720	5	20-37
895	840	794	6	24-31	910	840	794	6	24-37
1015	950	901	6	24-34	1025	950	901	6	24-40
1115	1050	1001	8	28-34	1125	1050	1001	8	28-40
1230	1160	1112	8	28-37	1255	1170	1112	8	28-43

Bolts for PN10			Bolts for PN16		
Ø M	L	Nº	Ø M	L	Nº
M16	80	4	M16	80	4
M16	80	4	M16	80	4
M16	80	4	M16	80	4
M16	80	4	M16	80	4
M16	80	8	M16	80	8
M16	80	8	M16	80	8
M16	80	8	M16	80	8
M20	90	8	M20	90	8
M20	90	8	M20	90	12
M20	100	12	M24	100	12
M20	110	12	M24	120	12
M20	110	16	M24	120	16
M24	120	16	M27	130	16
M24	120	20	M27	130	20
M24	120	20	M30	140	20
M27	130	20	M33	150	20
M27	140	24	M33	170	24
M30	150	24	M36	180	24
M30	160	28	M36	180	28
M33	170	28	M39	190	28

Flange Bolts

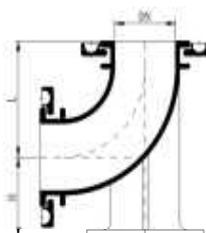


Loosing Flange Bend

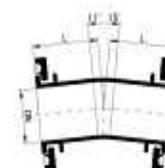


DN	L	Weight / Kg	
		PN10	PN16
40	140	5	
50	150	6.5	
60	160	7.5	
65	165	7.5	
80	165	9.5	
100	180	12.5	
125	200	16.5	
150	220	20.5	
200	260	34.5	34
250	350	54	53
300	400	77	77
350	450	97	103
400	500	125	137
450	550	159	177
500	600	195	227
600	700	293	351
700	800	416	449
800	900	565	606
900	1000	740	789
1000	1100	974	1049

DN	L	Weight / Kg	
		PN10	PN16
40	140	5	
50	150	5.5	
60	160	7.5	
65	165	7.5	
80	130	9	
100	140	11.5	
125	150	16	
150	160	18.5	
200	180	28	27
250	350	48	48
300	400	62	62
350	298	82	89
400	324	103	115
450	350	129	145
500	375	156	189
600	426	229	287
700	478	319	352
800	529	426	477
900	581	550	612
1000	632	708	811

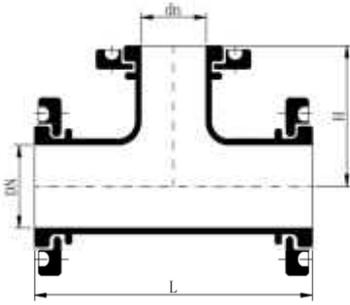


DN	L	H	Weight / Kg	
			PN10	PN16
40	140	90	9	
50	150	95	10	
60	160	100	11	
65	165	100	11	
80	165	110	15	
100	180	125	19	
125	200	140	25	
150	220	160	32	
200	260	190	50	51
250	350	225	83	83
300	400	255	114	116
350	450	290	147	153
400	500	320	199	210
450	550	355	266	282
500	600	385	314	344
600	700	450	464	517
700	800	515	684	708
800	900	580	944	974
900	1000	645	1278	1308
1000	1100	710	1730	1799



DN	L	Weight / Kg	
		PN10	PN16
40	94	4.5	
50	104	5.5	
60	114	7	
65	119	7.5	
80	105	8.9	
100	110	11	
125	105	14	
150	109	16	
200	131	25.5	26
250	190	56	56
300	210	79	79
350	210	84	90
400	239	106	116
450	349	131	149
500	375	160	191
600	426	236	290
700	478	335	360
800	529	448	489
900	581	575	627
1000	632	742	830

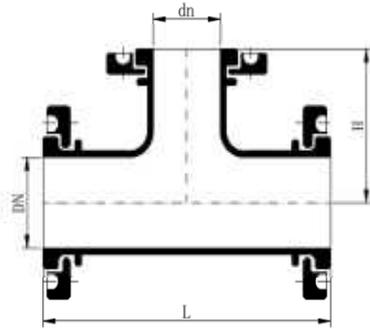
DN	L	Weight / kg	
		PN10	PN16
40	99	4.5	
50	109	5	
60	119	6	
65	124	6.5	
80	113	9	
100	115	10	
125	111	13	
150	113	16.5	
200	132	29	29
250	165	58	56
300	175	79	79
350	191	85	91
400	205	108	117
450	349	132	150
500	375	162	192
600	426	239	290
700	478	338	362
800	529	451	482
900	581	578	619
1000	632	746	819



All Loosing Flange Tee

DN	dn	L	H	Weight / Kg	
				PN10	PN16
40	40	280	140	8	
50	40	300	145	8.5	
	50		150	9	
60	40	300	130	10.5	
	50	320	150	11	
	60		160	11.5	
65	40	330	150	11.5	
	50		155	12	
	60		160	13	
	65		165	13.5	
80	40	330	150	13.5	
	50		155	14	
	60		160	14.5	
	65		160	15	
	80		165	15.5	
100	40	360	165	16.5	
	50		165	17	
	60		170	17.5	
	65		175	17.5	
	80		175	18	
125	100	400	180	20.5	
	40		180	21.5	
	50		185	22	
	60		185	22	
	65		190	22.5	
	80		190	23	
	100		195	24.5	
150	125	440	200	26	
	40		195	26.5	
	50		200	27	
	60		200	27	
	65		205	27.5	
	80		205	28	
	100		210	29	
200	125	520	215	31.5	
	150		220	33	
	40		225	41	41
	50		230	41.5	40
	60		230	42	41.5
	65		235	42.5	42
	80		235	43.5	43
	100		240	44.5	44
200	125	520	245	47	46.5
	150		250	47.5	47
	200		260	54	53.5

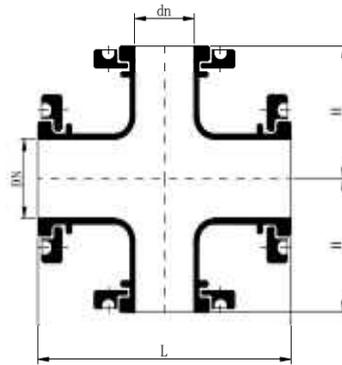
DN	dn	L	H	Weight / Kg	
				PN10	PN16
250	40	700	245	57	58
	50		250	57.5	59
	60		255	58	59.5
	65		260	58.5	60
	80		265	59	60.5
	100		275	60	61.5
	125		280	63	64.5
	150		300	65	66.5
	200		325	71	72.5
			350	79	81
	300		40	800	270
50		275	81		80
60		280	82		81.5
65		285	82.5		82
80		290	83		82.5
100		300	86		86
125		315	87.5		87
150		325	89		88
200		350	90		90.5
300		400	106		105
350	40	850	390	120	125
	50		390	120.5	126
	60		390	121	126.5
	65		390	121	126.5
	80		390	121.5	127
	100		390	122.5	128
	125		390	124	130
	150		390	126	133
	200		420	129	136
	250		420	134	140
	300		420	142	148
350	420	149	156		
400	40	900	320	148.5	157
	50		325	149	158
	60		330	150	159
	65		330	150	159
	80		340	151	160
	100		350	152	161
	125		350	154	163
	150		350	156	165
	200		350	160	169
	250		375	165	174
	300		450	180	189
350	450	190	202		
400	450	200	214		
500	40	1000	370	251	277
	50		375	252	278
	60		380	253	279
	65		380	253	279
	80		390	254	280
	100		400	256	282
	125		400	258	284
	150		400	261	287
	200		400	265	291
	250		475	270	296
	300		500	275	303
	350		500	280	309
	400		500	286	320
	450		500	295	329
500	500	310	381		



All Loosing Flange Tee

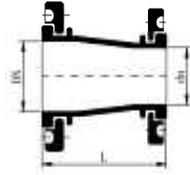
DN	dn	L	H	Weight / Kg	
				PN10	PN16
600	40	1100	420	353	400
	50		425	353	400
	60		430	355	402
	65		430	355	402
	80		440	357	404
	100		450	358	405
	125		450	360	407
	150		450	362	409
	200		450	365	412
	250		525	378	431
	300		550	385	432
	350		550	390	441
	400		550	395	453
	450		550	400	479
500	550	410	492		
600	550	430	509		
700	80	600	600	257	281
	100	540	510	259	284
	150	595	515	261	286
	200	650	525	299	322
	250	705	530	324	347
	300	760	540	344	369
	400	870	555	380	409
	500	980	570	444	483
	600	1200	585	528	578
800	80	670	440	329	360
	100	580	570	335	365
	150	585	575	339	369
	200	690	585	376	407
	300	800	600	430	461
	400	910	615	470	506
	500	1020	630	524	570
	600	1350	645	684	740
	700	1350	660	704	748
900	800	1350	675	738	785
	80	720	490	417	457
	100	620	630	419	460
	150	675	635	421	462
	200	730	645	427	466
	300	840	660	543	583
	400	950	675	581	626
	500	1060	690	647	701
600	1500	705	887	951	

DN	dn	L	H	Weight / Kg	
				PN10	PN16
900	700	1500	720	906	958
	800	1500	735	932	987
	900	1500	750	972	1032
1000	80	770	545	521	594
	100	660	690	523	596
	150	715	695	525	598
	200	770	705	528	601
	300	880	720	673	745
	400	990	735	713	790
	500	1100	750	796	883
	600	1650	765	1075	1173
	700	1650	780	1152	1237
	800	1650	795	1172	1260
	900	1650	810	1211	1304
1000	1650	825	1257	1366	

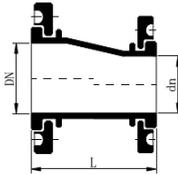


Loosing Flange Crossing Tee

DN	dn	L	H	Weight / Kg	
				PN10	PN16
65	65	330	165	17.5	
80	80	330	135	20.5	
100	100	360	180	24.5	
125	125	400	200	34.5	
150	150	440	220	45	
200	200	520	260	69	70
250	250	700	350	110	110
300	300	800	400	157	154
350	350	850	425	201	205
400	400	900	450	228	253
450	450	950	475	346	382
500	500	1000	500	398	416
600	600	1100	550	454	563
700	700	1200	600	884	930
800	800	1350	675	1181	1240
900	900	1500	750	1544	1620
1000	1000	1650	825	2102	2240



CON.

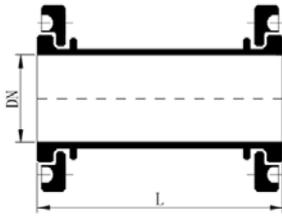


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Double Loosing Flange Taper

DN	dn	L	Weight / Kg	
			PN10	PN16
50	40	150	5	
60	40	200	5.5	
	50		6	
65	40	200	6	
	50		6	
	60		6.5	
80	40	200	6.5	
	50		7.5	
	60		7.5	
	65		8	
100	40	200	7.5	
	50		7.7	
	60		8	
	65		8.5	
	80		9.5	
125	40	200	9.5	
	50		9.8	
	60		10.5	
	65		10.5	
	80		11	
	100		12.5	
150	40	200	11	
	50		11.5	
	60		12	
	65		12.5	
	80		12.5	
	100		13.5	
	125		15	
200	50	300	17	16.5
	60		17.5	17
	65		17.5	17
	80		18	17.8
	100		19.5	19.5
	125		21	21
250	60	300	23	23.5
	65		23.5	24
	80		24.5	25.5
	100		26	27
	125		27	28
	150		28	29
	200		32	32.5
300	80	300	29	29
	100		30	30
	125		32.5	32.5
	150		35	35
	200		39	38.5
250	41	41.5		

DN	dn	L	Weight / Kg	
			PN10	PN16
350	150	300	46	49
	200		50	52.5
	250		55	58.5
	300		57	59.5
400	150	300	52	56.5
	200		55	59.5
	250		59	64
	300		64	68.5
	350		69	76
450	200	600	73	81
	250		82	90.5
	300		89	96.5
	350	300	96	107
	400		98	110.5
500	200	400	93	106.5
	250		97	111
	300		103	116.5
	350	500	115	131
	400	600	140	158
	450	300	102	123
600	350	750	180	203
	400	700	177	206
	450	650	180	208
	500	600	210	206
700	400	800	207	224
	450	750	208	230
	500	700	212	271
	600	600	206	250
800	450	900	278	303
	500	800	271	301
	600	700	275	315
	700	600	278	307
900	500	1000	358	392
	600	800	337	381
	700	700	340	373
1000	800	600	326	373
	600	1000	447	519
	700	800	419	468
	800	700	422	474
900	600	398	464	

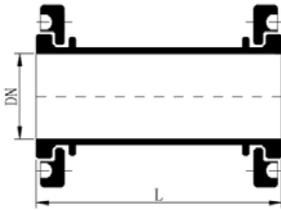


Double Loosing Flange Pipe

DN	L	Weight / Kg	
		PN10	PN16
40	100	4.5	
	150	5	
	200	5.5	
	250	6	
	300	6.3	
	350	6.7	
	400	7.2	
	450	7.5	
	500	7.8	
50	100	5.5	
	150	5.9	
	200	6.5	
	250	6.8	
	300	7.3	
	350	7.8	
	400	8.2	
	450	8.7	
	500	9.5	
60	100	6.2	
	150	6.7	
	200	7.2	
	250	7.8	
	300	8.3	
	350	8.8	
	400	9.4	
	450	10	
	500	10.5	
65	100	7	
	150	7.3	
	200	7.9	
	250	8.5	
	300	9	
	350	9.6	
	400	10.2	
	450	10.8	
	500	11.5	
80	100	7.5	
	150	8	
	200	8.7	
	250	9.5	
	300	10.5	
	350	11	
	400	11.5	
	450	12.5	
	500	13	
	600	14.5	
	700	16	
	800	17.5	
	900	18.5	
1000	20		

DN	L	Weight / Kg	
		PN10	PN16
100	100	8.5	
	150	9.5	
	200	10.5	
	250	11.5	
	300	12	
	350	13	
	400	14	
	450	14.8	
	500	15.5	
	600	17.5	
	700	19	
	800	21	
	900	23	
125	1000	24.5	
	1200	28	
	100	10.5	
	150	11.5	
	200	13	
	250	14	
	300	15	
	350	16	
	400	17.5	
	450	18.5	
	500	19.5	
	600	22	
	700	24	
800	26.5		
900	28.5		
1000	31		
1200	35.5		
150	100	13	
	150	14.5	
	200	16	
	250	17.5	
	300	19	
	350	20	
	400	21.5	
	450	23	
	500	24.5	
	600	27	
	700	30	
	800	33	
	900	35.5	
1000	38.5		
200	100	18.5	18
	150	20.5	20
	200	22.5	22
	250	24.5	24
	300	26.5	26
	350	28.5	28
	400	30.5	30
	450	32.5	32
	500	34.5	34
	600	38.5	38
	700	42	42
	800	46	46
	900	50	50
1000	54	53.5	
1200	62	62	

DN	L	Weight / Kg		
		PN10	PN16	
250	100	23.5	25.5	
	150	26	27.5	
	200	29	30	
	250	31.5	32.5	
	300	34	35.5	
	350	36.5	38	
	400	39.5	40.5	
	450	42	43	
	500	44.5	46	
	600	50	51	
	700	55	56.5	
	800	60.5	61.5	
	900	66	67	
1000	71	72		
1200	81.5	83		
300	200	40	39	
	250	43	43	
	300	47	46	
	350	51	50	
	400	55	54	
	450	59	58	
	500	63	62	
	600	71	70	
	700	79	78	
	800	87	87	
	900	96	95	
	1000	105	104	
	1200	121	121	
350	250	51	56	
	300	55	61	
	350	60	65	
	400	64	70	
	450	69	74	
	500	74	79	
	600	83	89	
	700	93	98	
	800	103	108	
	900	113	118	
	1000	123	128	
	1200	143	148	
	400	300	66	75
350		71	80	
400		77	86	
450		82	91	
500		88	97	
600		99	108	
700		110	119	
800		121	130	
900		133	142	
1000		145	154	
1200		183	199	
450		350	83	98
		400	89	105
	450	95	111	
	500	102	118	
	600	115	131	
	700	128	144	
	800	141	157	
	900	155	170	
	1000	168	184	
	1200	195	211	

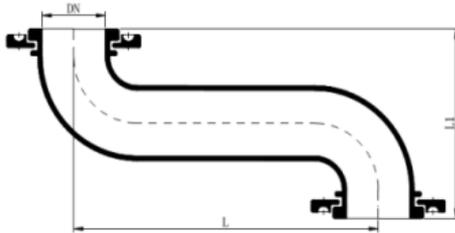
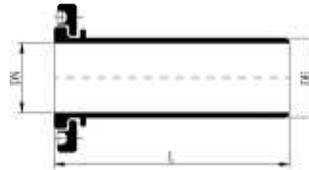


Double Losing Flange Pipe

DN	L	Weight / Kg	
		PN10	PN16
500	350	97	124
	400	104	131
	450	111	138
	500	118	145
	600	132	159
	700	146	173
	800	160	186
	900	173	200
	1000	187	214
	1200	215	242
600	350	132	179
	400	141	188
	450	150	197
	500	159	206
	600	177	224
	700	195	243
	800	213	261
	900	232	279
	1000	250	297
	1200	286	333

DN	L	Weight / Kg	
		PN10	PN16
700	350	174	197
	400	185	209
	450	197	220
	500	209	232
	600	232	255
	700	255	278
	800	278	301
	900	301	324
	1000	324	347
	1200	370	393
800	350	225	254
	400	239	269
	450	253	283
	500	267	297
	600	296	326
	700	325	354
	800	353	383
	900	382	411
	1000	410	440
	1200	467	497

DN	L	Weight / Kg	
		PN10	PN16
900	350	267	305
	400	285	323
	450	303	341
	500	321	359
	600	356	394
	700	392	430
	800	428	466
	900	464	502
	1000	500	538
	1200	572	610
1000	350	330	399
	400	351	420
	450	372	441
	500	393	462
	600	435	504
	700	477	546
	800	520	589
	900	562	631
	1000	605	674
	1200	690	759



Double Losing Flange Pipe Esse

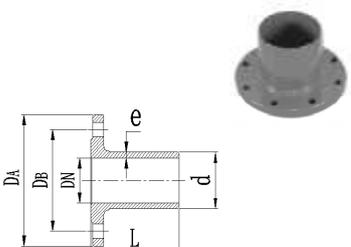
DN	L	L1	Weight / Kg	
			PN10	PN16
80	500	300	16	
100	500	300	20	
150	500	320	32	

Flange Spigot

DN	L	DE	Weight / Kg	
			PN10	PN16
40	335	56	4.5	
50	340	66	5	
60	345	77	5.6	
65	345	82	6	
80	350	98	8	
100	360	118	10.5	
125	370	144	12	
150	380	170	16.5	
200	400	222	26	26
250	420	274	36	36
300	440	326	47	46
350	460	378	56	59
400	480	429	69	75
450	500	480	84	95
500	520	532	101	117
600	560	632	143	171
700	600	738	193	209
800	600	842	239	259
900	600	945	288	312
1000	600	1048	347	391

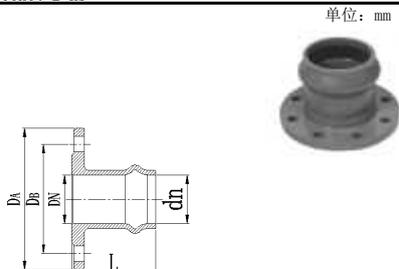
FLANGED SPIGOT for PVC F-KS									
DN	d	e	L	PN10		PN16		kg	
				DA	DB	DA	DB	PN10	PN16
40	56	7.0	335	150	110	150	110		
50	66	7.0	340	165	125	165	125		
65	82	7.0	345	185	145	185	145		
80	98	7.0	350	200	160	200	160		
100	118	7.2	360	220	180	220	180		
125	144	7.5	370	250	210	250	210		
150	170	7.8	380	285	240	285	240		
200	222	8.4	400	340	295	340	295		
250	274	9.0	420	400	350	400	355		
300	326	9.6	440	455	400	455	410		
350	378	10.2	460	505	460	520	470		
400	429	10.8	480	565	515	580	525		
450	480	11.4	500	615	565	640	585		
500	532	12	520	670	620	715	650		
600	635	13.2	560	780	725	840	770		

单位: mm



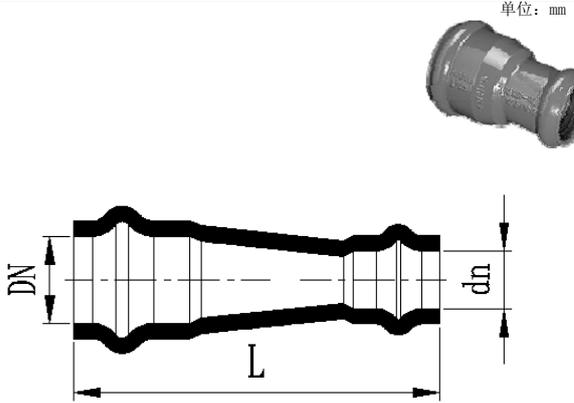
Flanged socket E-KS									
DN	dn	L	PN10		PN16		kg		
			DA	DB	DA	DB	PN10	PN16	
50	63	105.5	165	125	165	125			
65	75	111.5	185	145	185	145			
80	90	120.5	200	160	200	160			
100	110	126	220	180	220	180			
125	125	139	250	210	250	210			
	140	147							
150	160	173	285	240	285	240			
200	200	195	340	295	340	295			
	225	203							
250	250	223.5	400	350	400	355			
	280	230							
300	315	257.5	455	400	455	410			

单位: mm



DOUBLE SOCKET REDUCER MMR-KS				
DN	dn	L	kg	
63	50	187.5		
75	63	212		
90	50	209.5		
	63	226		
	75	227		
110	63	241.5		
	75	247.5		
	90	251.5		
125	63	255.5		
	75	275.5		
	90	274.5		
	110	275		
140	63	260.5		
	75	278		
	90	282.5		
	110	283		
160	125	291		
	63	269.5		
	75	275.5		
	90	303.5		
	110	304		
180	125	302		
	140	310		
	63	313.5		
	75	319.5		
	90	325.5		
	110	324		
125	319			
140	319			
160	323			

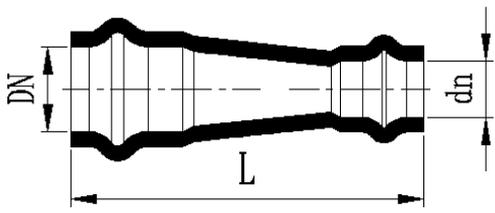
单位: mm



DOUBLE SOCKET REDUCER MMR-KS

单位: mm

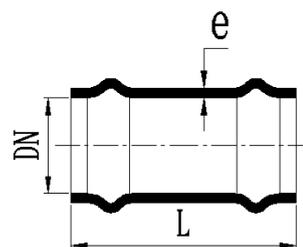
DN	dn	L	kg
200	63	322.5	
	90	360.5	
	110	356	
	125	354	
	140	328	
	160	368	
	180	336	
225	63	319.5	
	90	331.5	
	110	364	
	125	367	
	140	370	
	160	376	
	180	353	
200	352		
250	90	356	
	110	364.5	
	125	369.5	
	140	374.5	
	160	406.5	
	180	387.5	
	200	413.5	
280	90	37.15	
	110	380	
	125	385	
	140	390	
	160	399	
	180	408	
	200	392	
225	384		
250	393.5		
315	90	390	
	110	398.5	
	125	403.5	
	140	408.5	
	160	417.5	
	180	426.5	
	200	430.5	
225	432.5		
250	437		
280	437.5		

DOUBLE SOCKET PIPE U-KS

单位: mm

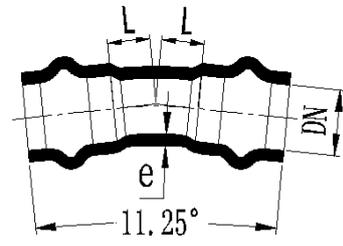
DN	e	L	kg
63	6.0	210	
75	6.5	222	
90	6.5	234	
110	6.5	251	
125	7.0	261	
140	7.0	292	
160	7.5	334	
180	7.5	352	
200	7.5	380	
225	7.5	451	
250	8.5	494	
280	9.0	494	
315	9.5	610	

11.25° DOUBLE SOCKET BEND FOR PVC MMR-KS 11.25°

单位: mm

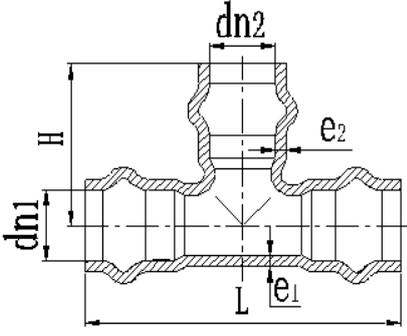
DN	e	L	kg
63	6.0	20	
75	6.5	25	
90	6.5	25	
110	6.5	30	
125	7.0	30	
140	7.0	30	
160	7.5	30	
180	7.5	30	
200	7.5	30	
225	7.5	40	
250	8.5	45	
280	9.0	50	
315	9.5	60	

ALL SOCKET TEE FOR PVC MMB-KS

单位: mm

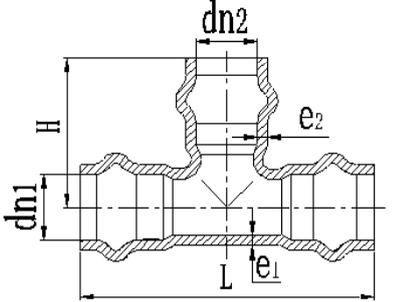
dn1	dn2	e1	e2	H	L	kg
63	63	6.0	6.0	120.5	251	
75	63	6.5	6.0	135.5	263	
	75		6.5	141.5	278	
90	63	6.5	6.0	140	288	
	75		6.5	147	303	
	90		6.5	166	317	
110	63	6.5	6.0	150	298	
	75		6.5	157	313	
	90		7.0	164	327	
	110		6.5	171	347	
125	63	7.0	6.0	161	315	
	75		6.5	163	317	
	90		7.0	165	343	
	110		6.5	175.5	363	
	125		7.0	189	388	
140	63	7.0	6.0	162.5	311	
	75		6.5	168.5	326	
	90		6.5	174.5	341	
	110		6.5	186	361	
	125		7.0	194	404	
160	140	7.5	7.0	204	409	
	63		6.0	176	352	
	75		6.5	182	368	
	90		6.5	188	381	
	110		6.5	196	401	
	125		7.0	198	379	
180	140	7.5	7.0	212	426	
	160		7.5	223	451	
	63		6.0	182.5	347	
	75		6.5	195	355	
	90		6.5	194.5	362	
	110		6.5	203	397	
	125		7.0	240	422	
200	140	7.5	7.0	245	432	
	160		7.5	222	447	
	180		7.5	231	462	
	63		6.0	192.5	390	
	75		6.5	195	405	
200	90	7.5	6.5	201.5	420	
	110		6.5	216	473	
	125		7.0	218	440	
	140		7.0	240	495	
200	160	7.5	7.5	244	523	
	180		7.5	241	510	
	200		7.5	260	550	
	63		7.5	6.0	210.5	436
75	6.5	215		429		
90	6.5	275		466		
110	6.5	225.5		486		
125	7.0	240		489		
140	7.0	245		504		
160	7.5	258		536		
180	7.5	260	548			

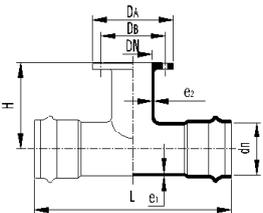
ALL SOCKET TEE FOR PVC MMB-KS

单位: mm

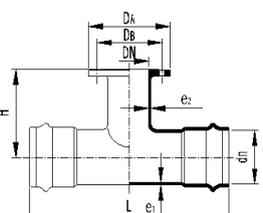
dn1	dn2	e1	e2	H	L	kg
225	200	7.5	7.5	275	566	
	225		7.5	283	586	
250	75	8.5	6.5	250	463	
	90		6.5	229.5	478	
	110		6.5	238	498	
	125		7.0	260	523	
	140		7.0	270	552	
	160		7.5	258	548	
	180		7.5	265	548	
	200		7.5	272	574	
	225		7.5	282	593	
	250		8.5	303	647	
280	75	9.0	6.5	260	484	
	90		6.5	244.5	499	
	110		6.5	253	519	
	125		7.0	270	519	
	140		7.0	263	529	
	160		7.5	272	569	
	180		7.5	280	575	
	200		7.5	285	594	
	225		7.5	285	619	
	250		8.5	306.5	644	
315	280	9.5	9.0	317	669	
	75		6.5	266	552	
	90		6.5	276	572	
	110		6.5	273	546	
	125		7.0	305	571	
	140		7.0	305	603	
	160		7.5	292	596	
	180		7.5	310	646	
	200		7.5	320	648	
	225		7.5	310	665	
250	8.5	326.5	671			
280	9.0	345	720			
315	9.5	362	770			

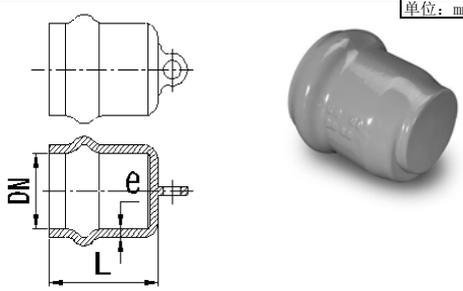



DOUBLE SOCKET TEE WITH FLANGED BRANCH MMA-KS													
dn	DN	e1	e2	H	L	PN10		PN16		kg			
						DA	DB	DA	DB	PN10	PN16		
63	40	6.0	6.0	140	251	150	110	150	110				
	50					165	125	165	125				
	60					175	135	175	135				
	65					253	150	110	150	110			
75	40	6.5	6.0	140	251	165	125	165	125				
	50					175	135	175	135				
	60					185	145	185	145				
	65					278	175	135	175	135			
90	40	6.5	6.0	160	276	150	110	150	110				
	50		6.0			165	125	165	125				
	60		6.0			175	135	175	135				
	65		6.0			185	145	185	145				
	80		6.4			316	200	160	200	160			
110	40	6.5	6.0	170	287	150	110	150	110				
	50		6.0			165	125	165	125				
	60		6.0			175	135	175	135				
	65		6.0			185	145	185	145				
	80		6.4			327	200	160	200	160			
125	40	7.0	6.0	170	303	150	110	150	110				
	50		6.0			170	165	125	165	125			
	60		6.0			170	328	175	135	175	135		
	65		6.0			170	328	185	145	185	145		
	80		6.4			170	343	200	160	200	160		
	100		6.4			180	363	220	180	220	180		
140	40	7.0	6.0	170	303	150	110	150	110				
	50		6.0			170	165	125	165	125			
	60		6.0			170	328	175	135	175	135		
	65		6.0			170	328	185	145	185	145		
	80		6.4			170	343	200	160	200	160		
	100		6.4			180	363	220	180	220	180		
160	40	7.5	6.0	170	303	150	110	150	110				
	50		6.0			170	165	125	165	125			
	60		6.0			190	366	175	135	175	135		
	65		6.0			190	366	185	145	185	145		
	80		6.4			200	381	200	160	200	160		
	100		6.4			210	401	220	180	220	180		
180	40	7.5	6.0	170	303	150	110	150	110				
	50		6.0			170	165	125	165	125			
	60		6.0			190	366	175	135	175	135		
	65		6.0			190	366	185	145	185	145		
	80		6.4			200	381	200	160	200	160		
	100		6.4			230	397	220	180	220	180		
	125		6.9			240	422	250	210	250	210		
200	40	7.5	6.0	170	303	150	110	150	110				
	50		6.0			195	337	150	110	150	110		
	60		6.0			195	347	165	125	165	125		
	65		6.0			215	362	175	135	175	135		
	80		6.4			215	362	185	145	185	145		
	100		6.4			225	377	200	160	200	160		
	125		6.4			230	397	220	180	220	180		



DOUBLE SOCKET TEE WITH FLANGED BRANCH MMA-KS											
dn	DN	e1	e2	H	L	PN10		PN16		kg	
						DA	DB	DA	DB	PN10	PN16
200	80	7.5	6.4	230	450	200	160	200	160		
	100		6.4	250	470	220	180	220	180		
	125		6.9	250	495	250	210	250	210		
	150		7.1	250	520	285	240	285	240		
	200		7.5	250	570	340	295	340	295		
225	40	7.5	6.0	195	404	150	110	150	110		
	50		6.0	195	414	165	125	165	125		
	60		6.0	230	451	175	135	175	135		
	65		6.0	230	451	185	145	185	145		
	80		6.4	230	466	200	160	200	160		
	100		6.4	230	486	220	180	220	180		
	125		6.9	260	511	250	210	250	210		
250	40	8.5	6.0	195	404	150	110	150	110		
	50		6.0	195	414	165	125	165	125		
	60		6.0	230	451	175	135	175	135		
	65		6.0	250	463	175	135	175	135		
	80		6.4	260	502	200	160	200	160		
	100		6.4	260	522	220	180	220	180		
	125		6.9	260	547	250	210	250	210		
280	40	9.0	6.0	195	404	150	110	150	110		
	50		6.0	230	451	175	135	175	135		
	60		6.0	230	451	185	145	185	145		
	65		6.0	260	484	175	135	175	135		
	80		6.4	265	499	200	160	200	160		
	100		6.4	270	519	220	180	220	180		
	125		6.9	270	544	250	210	250	210		
315	40	9.5	6.0	195	404	150	110	150	110		
	50		6.0	230	451	175	135	175	135		
	60		6.0	260	484	175	135	175	135		
	65		6.0	260	484	185	145	185	145		
	80		6.4	295	526	200	160	200	160		
	100		6.4	300	546	220	180	220	180		
	125		6.9	305	571	250	210	250	210		



SOCKET CAP FOR PVC PIPE EX-KS				單位: mm
DN	e	L	kg	
63	6.0	107		
75	6.5	124		
90	6.5	136		
110	6.5	145		
125	7.0	150		
140	7.0	155		
160	7.5	168		
180	7.5	185		
200	7.5	200		
225	7.5	218		
250	8.5	222		
280	9.0	230		
315	9.5	245		