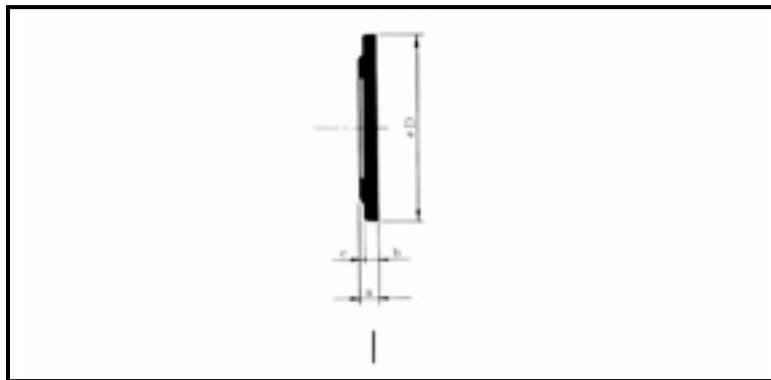


12. 마개플랜지 (BLANK FLANGE)

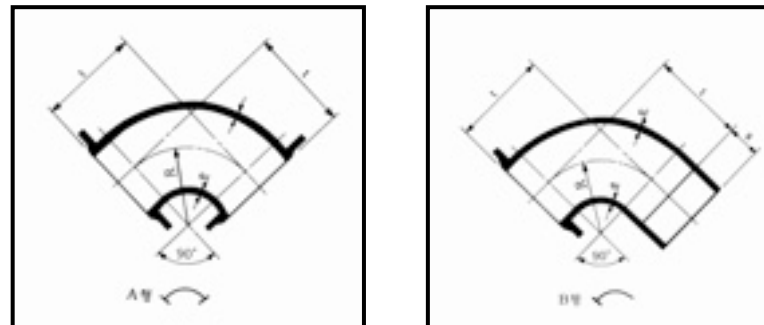


단위: 치수mm, 무게kg

호칭지름 (DN)	D	a	b	c	무게
80	200	19.0	16.0	3	3.6
100	220	19.0	16.0	3	4.3
125	250	19.0	16.0	3	5.6
150	285	19.0	16.0	3	7.2
200	340	20.0	17.0	3	11.0
250	400	22.0	19.0	3	16.9
300	455	24.5	20.5	4	24.0
350	505	24.5	20.5	4	29.5
400	565	24.5	20.5	4	36.5
450	615	25.5	21.5	4	46.5
500	670	26.5	22.5	4	56.0
600	780	30.0	25.0	5	85.0
700	895	32.5	27.5	5	123.0
800	1015	35.0	30.0	5	172.0
900	1115	37.5	32.5	5	224.0
1000	1230	40.0	35.0	5	293.0
1100	1340	42.5	37.5	5	391.0
1200	1455	45.0	40.0	5	575.0
1400	1675	46.0	41.0	5	739
1600	1915	49.0	44.0	5	1239
1800	2115	52.0	47.0	5	1717
2000	2325	55.0	50.0	5	2272
2200	2550	59.0	53.0	6	2253
2400	2750	62.0	56.0	6	2781
2600	2960	65.0	59.0	6	3365

※ 현재 생산 가능 규격은 80mm ~ 1200mm입니다.

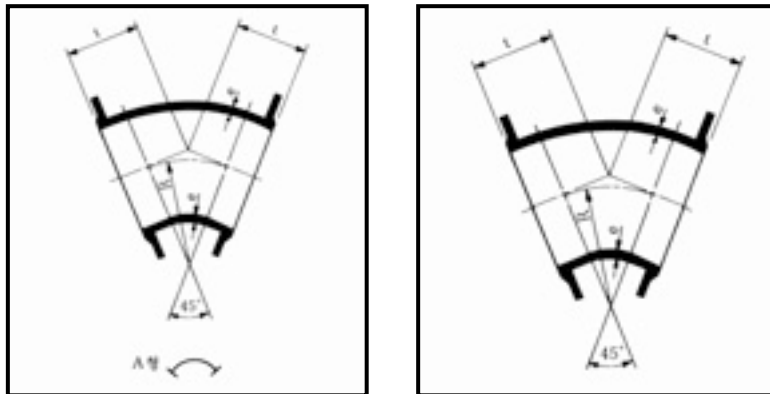
13. 90° 플랜지곡관 (90° FLANGED BEND)



단위: 치수mm, 무게kg

호칭지름 (DN)	e	R	t	s	무 게	
					A형	B형
80	7.0	122	165	200	9.9	9.8
100	7.2	135	180	200	11.9	12.2
125	7.5	152.5	200	200	15.6	16.2
150	7.8	170	220	200	20.0	21.0
200	8.4	205	260	200	31.0	32.5
250	9.0	290	350	200	50.0	51.0
300	9.6	335	400	200	70.0	71.0
350	10.2	380	450	200	90.0	93.0
400	10.8	425	500	200	116	120
450	11.4	470	550	200	143	149
500	12.0	515	600	200	181	187
600	13.2	605	700	200	272	278
700	14.4	695	800	200	386	393
800	15.6	785	900	200	533	537
900	16.8	875	1000	200	698	704
1000	18.0	965	1100	200	907	912
1100	19.2	1055	1200	200	1069	1059
1200	20.4	1145	1300	200	1463	1440

14. 45° 플랜지곡관 (45° FLANGED BEND)

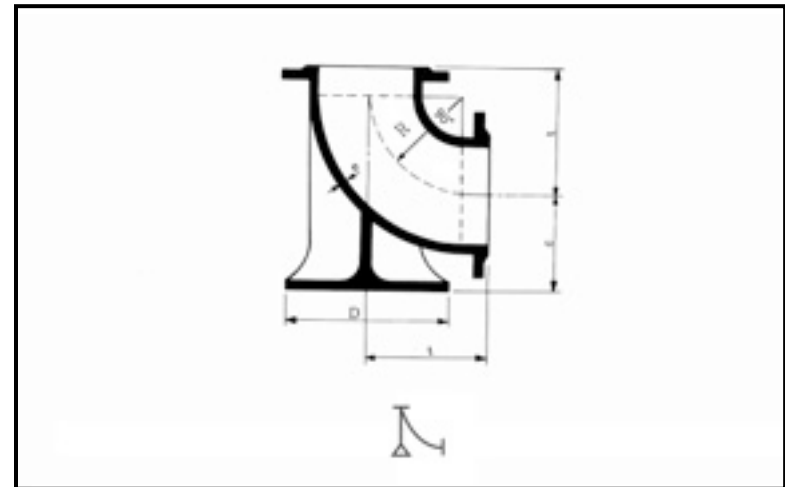


단위: 치수mm, 무게kg

호칭지름 (DN)	e	R	t	s	무 계	
					A형	B형
80	7.0	210	130	200	9.5	9.4
100	7.2	230	140	200	11.3	11.6
125	7.5	250	150	200	14.6	15.2
150	7.8	265	160	200	18.5	19.3
200	8.4	300	180	200	27.5	29.0
250	9.0	700	350	200	55.0	56.0
300	9.6	809	400	200	78.0	79.0
350	10.2	550	300	200	76.0	79.0
400	10.8	600	325	200	96.0	100
450	11.4	650	350	200	115	121
500	12.0	700	375	200	145	151
600	13.2	800	425	200	212	218
700	14.4	900	480	200	296	303
800	15.6	1000	530	200	403	407
900	16.8	1100	580	200	519	525
1000	18.0	1200	630	200	668	673
1100	19.2	1300	695	200	859	850
1200	20.4	1400	750	200	1050	1041
1400	22.8	1871	775	250	1388	1422
1600	25.2	2040	845	250	1915	1938
1800	27.6	2195	910	250	2465	2511
2000	30.0	2365	980	250	3149	3210
2200	32.4	2125	880	250	3446	3505
2400	34.8	2280	945	250	4277	4356
2600	37.2	2425	1005	250	5175	5287

※ 현재 생산 가능 규격은 80mm ~ 1200mm입니다.

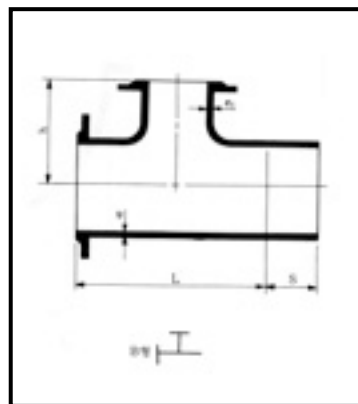
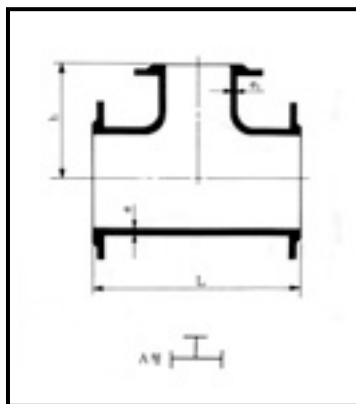
15. 90° 소화전용곡관 (90° DUCKFOOT BEND)



단위: 치수mm, 무게kg

호칭지름 (DN)	e	t	c	D	무 계
					플랜지형
80	7.0	165	110	180	14.3
100	7.2	180	125	200	17.8
125	7.5	200	140	225	23.5
150	7.8	220	160	250	30.0
200	8.4	260	190	300	46.5
250	9.0	350	225	350	75.0
300	9.6	400	255	400	106
350	10.2	450	290	450	139
400	10.8	500	320	500	178
450	11.4	550	350	550	229
500	12.0	600	385	600	283
600	13.2	700	450	700	428

16. 플랜지 T형관 (FLANGED TEE)



단위: 치수mm, 무게kg

본 관			지 관			S	무 계	
호칭지름 (DN)	e	L	호칭지름 (DN)	e ₁	h		A형	B형
80	8.1	330	80	8.1	165	250	16.0	17.0
100	8.4	360	80	8.1	175	250	18.6	20.5
		360	100	8.4	180	250	19.4	21.5
125	8.8	400	80	8.1	190	250	23.5	26.0
		400	100	8.4	195	250	24.0	26.5
		400	125	8.8	200	250	25.5	28.0
150	9.1	440	80	8.1	205	250	29.0	32.4
		440	100	8.4	210	250	29.5	33.0
		440	150	9.1	220	250	32.5	36.0
200	9.8	520	80	8.1	235	250	42.5	47.5
		520	100	8.4	240	250	43.0	48.0
		520	150	9.1	250	250	46.0	51.0
		520	200	9.8	260	250	49.5	54.5
250	10.5	700	100	8.4	275	250	68.0	74.0
		700	200	9.8	325	250	76.0	82.0
		700	250	10.5	350	250	82.0	88.0
300	11.2	800	100	8.4	300	250	94.0	101
		800	200	9.8	350	250	102	109
		800	300	11.2	400	250	116	123

(계속)

단위: 치수mm, 무게kg

본 관			지 관			S	무 계	
호칭지름 (DN)	e	L	호칭지름 (DN)	e ₁	h		A형	B형
350	11.9	850	100	8.4	325	250	116	127
		850	200	9.8	325	250	121	132
		850	350	11.9	425	250	142	153
400	12.6	900	100	8.4	350	250	143	156
		900	200	9.8	350	250	148	161
		900	400	12.6	450	250	174	187
450	13.3	950	200	9.8	375	250	176	193
		950	300	11.2	475	250	196	213
		950	450	13.3	475	250	207	224
500	14.0	1000	100	8.4	400	250	210	229
		1000	200	9.8	400	250	215	234
		1000	400	12.6	500	250	242	261
		1000	500	14.0	500	250	252	271
600	15.4	1100	200	9.8	450	250	305	328
		1100	400	12.6	550	250	329	352
		1100	600	15.4	550	250	355	378
700	16.8	650	200	9.8	525	250	268	296
		870	400	12.6	555	250	343	371
		1200	700	16.8	600	250	477	505
800	18.2	690	200	9.8	685	250	352	382
		910	400	12.6	615	250	441	471
		1350	600	15.4	645	250	613	643
		1350	800	18.2	675	250	657	687
900	19.6	730	200	9.8	645	250	436	474
		950	400	12.6	675	250	541	579
		1500	600	15.4	705	250	787	825
		1500	900	19.6	750	250	853	891
1000	21.0	770	200	9.8	705	250	546	587
		990	400	12.6	735	250	668	709
		1650	600	15.4	765	250	1007	1048
		1650	1000	21.0	825	250	1105	1146
1100	22.4	980	400	12.6	795	250	778	812
		1250	600	15.4	800	250	968	1002
		1675	1000	21.0	885	250	1249	1283
		1780	1100	22.4	890	250	1534	1568

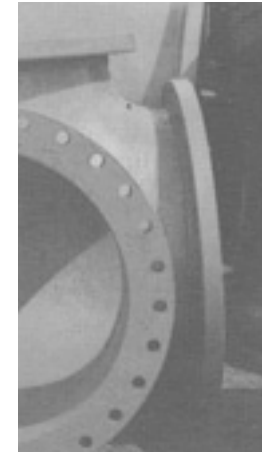
(계속)

단위: 치수mm, 무게kg

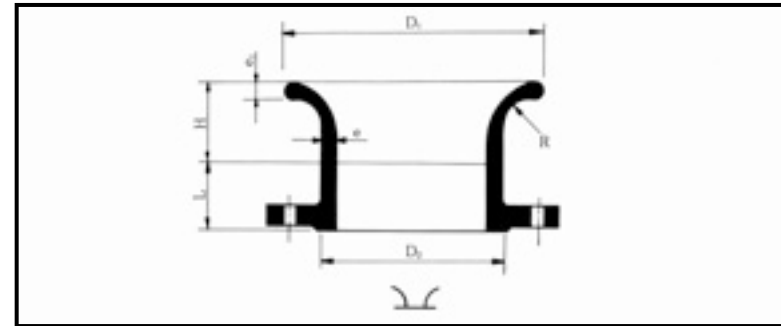
본 관			지 관			S	무 계	
호칭지름 (DN)	e	L	호칭지름 (DN)	e ₁	h		A형	B형
1200	23.8	1240	600	15.4	885	250	1101	1142
		1470	800	18.2	915	250	1291	1332
		1700	1000	21.0	945	250	1494	1535
		1950	1200	23.8	985	250	1671	1711
1400	26.6	1550	600	15.4	980	300	1555	1727
		1760	800	18.2	1010	300	1886	2058
		2015	1000	21.0	1040	300	2131	2303
1600	29.4	1600	600	15.4	1090	300	2167	2366
		1835	800	18.2	1120	300	2452	2651
		2065	1000	21.0	1150	300	2740	2939
		2300	1200	23.8	1180	300	3058	3257
1800	32.2	1655	600	15.4	1200	300	2694	2967
		1885	800	18.2	1230	300	3023	3296
		2121	1000	21.0	1260	300	3375	3648
		2350	1200	23.8	1290	300	3740	4013
2000	35.0	1705	600	15.4	1310	300	3309	3637
		2170	1000	21.0	1370	300	4112	4440
		2635	1400	26.6	1430	300	4966	5294
2200	37.8	1560	600	15.4	1420	300	3675	4004
		2220	1200	23.8	1510	300	5026	5355
		2880	1800	32.2	1600	300	6474	6803
2400	40.6	1620	600	15.4	1530	300	4418	4844
		2280	1200	23.8	1620	300	5963	6389
		2940	1800	32.2	1710	300	7614	8040
2600	43.4	1680	600	15.4	1640	300	5214	5701
		2560	1400	26.6	1750	300	7585	8072
		3220	2000	35.0	1850	300	9505	9992

※ 현재 생산 가능 규격은 80mm ~ 1200mm입니다.

VI. 덕타일 주철 특수이형관



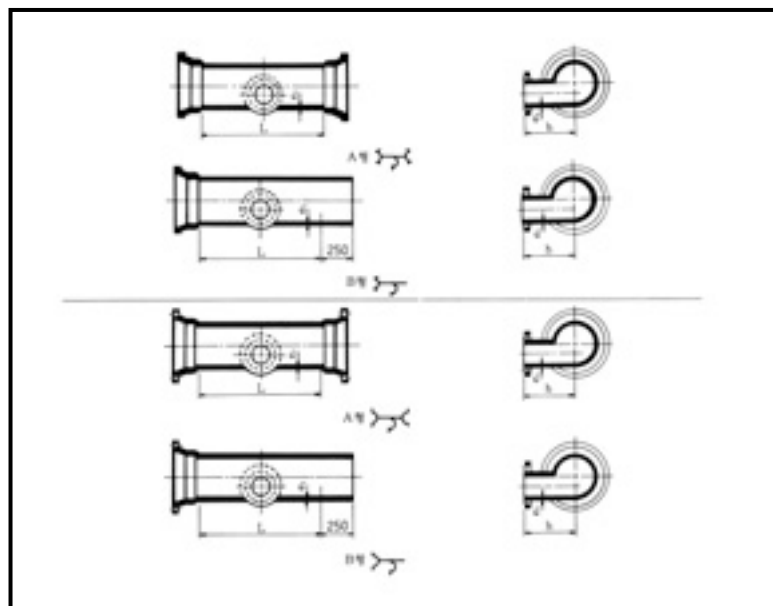
1. 나 팔 관 (FLANGED BELL MOUTH)



단위: 치수mm, 무게kg

호칭지름 (DN)	두께 e	실외경 D ₂	각 부 치 수					무게
			D ₁	L	H	R	e ₁	
80	7.0	98	110	50	30	37.3	9.5	5
100	7.2	118	150	50	40	46.3	9.7	6
125	7.5	144	190	50	48	53.2	10.0	7
150	7.8	170	230	50	56	60.1	10.8	9
200	8.4	222	300	50	75	81.5	11.4	14
250	9.0	274	375	50	95	103.7	12.0	21
300	9.6	326	450	60	110	118.4	12.6	30
350	10.2	378	530	60	130	139.2	13.2	39
400	10.8	429	600	60	150	162.8	13.8	48
450	11.4	480	680	70	170	183.6	14.4	62
500	12.0	532	750	70	190	207.6	16.0	75
600	13.2	635	900	80	230	252.4	17.2	112
700	14.4	738	1050	80	260	281.6	18.4	142
800	15.6	842	1200	100	300	326.5	19.6	220
900	16.8	945	1350	100	340	371.3	20.8	288
1000	18.0	1048	1500	120	380	416.0	22.0	368
1100	19.2	1144	1500	120	420	460.0	23.2	435
1200	20.4	1255	1500	140	460	505.0	24.4	530

2 드레인관(LEVEL INVERT TEE WITH FLANGED BRANCH)



단위: 치수mm, 무게kg

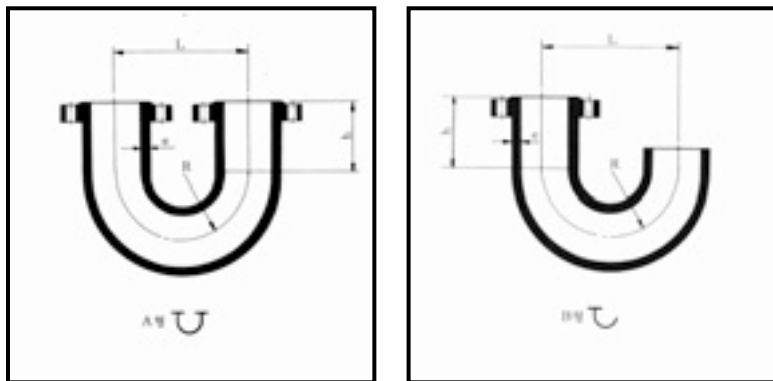
호칭지름		각 부 치 수				무 계			
DN	dn	e ₁	e ₂	L	h	KP메커니컬		메커니컬	
						A형	B형	A형	B형
200	80	9.8	8.1	190	250	32	35	41	39
	100	9.8	8.4	215	255	34	36	43	41
250	80	10.5	8.1	220	275	45	47	55	52
	100	10.5	8.4	220	285	46	48	56	53
300	80	11.2	8.1	220	305	56	60	70	67
	100	11.2	8.4	220	310	56	60	71	68
	150	11.2	9.1	335	325	68	72	82	79
350	80	11.9	8.1	225	330	68	72	84	80
	100	11.9	8.4	225	340	69	73	85	81
	150	11.9	9.1	340	355	83	87	99	95
400	100	12.6	8.4	225	365	81	86	100	96
	150	12.6	9.1	340	380	97	102	116	112
	200	12.6	9.8	345	395	101	106	121	116

(계속)

단위: 치수mm, 무게kg

호칭지름		각 부 치 수				무 계			
DN	dn	e ₁	e ₂	L	h	KP메커니컬		메커니컬	
						A형	B형	A형	B형
450	100	13.3	8.4	230	395	98	103	120	114
	150	13.3	9.1	345	410	117	112	139	133
	200	13.3	9.8	345	425	120	125	143	136
500	100	14.0	8.4	230	420	118	121	143	133
	150	14.0	9.1	350	435	140	143	165	156
	200	14.0	9.8	400	450	152	155	176	167
600	100	15.4	8.4	355	475	189	189	220	204
	150	15.4	9.1	410	485	204	203	234	219
	200	15.4	9.8	470	495	220	219	250	235
700	200	16.8	9.8	360	510	261	252	293	268
	250	16.8	10.5	420	520	281	272	313	287
	300	16.8	11.2	475	530	300	290	331	306
800	200	18.2	9.8	360	560	320	309	371	334
	250	18.2	10.5	420	570	343	332	394	358
	300	18.2	11.2	475	580	365	354	416	380
900	200	19.6	9.8	370	620	393	378	462	413
	250	19.6	10.5	430	630	420	405	490	440
	300	19.6	11.2	485	640	446	431	515	466
1000	300	21.0	11.2	490	720	556	526	659	577
	350	21.0	11.9	535	730	579	549	682	601
	400	21.0	12.6	595	735	611	580	714	632
1100	300	22.4	11.2	490	780	602	585	625	597
	350	22.4	11.9	545	790	635	618	658	630
	400	22.4	12.6	600	795	668	651	691	663
1200	300	23.8	11.2	490	840	686	673	742	701
	350	23.8	11.9	545	850	724	711	780	739
	400	23.8	12.6	600	855	762	749	817	777

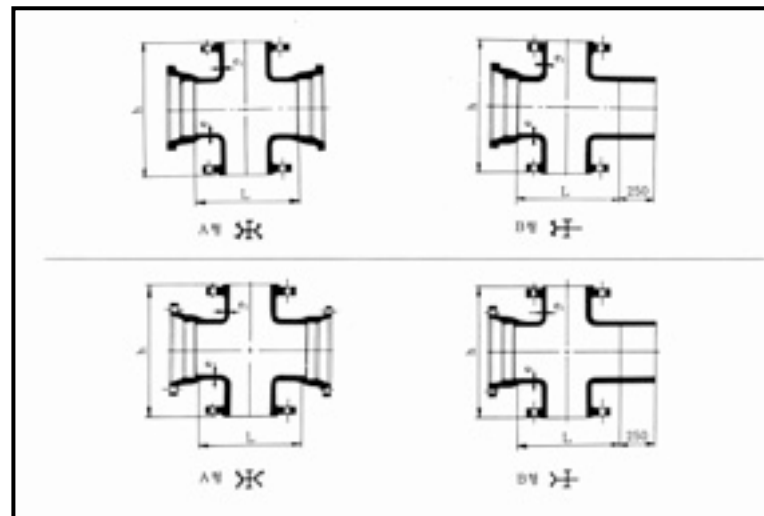
3. U 형 관 (U TYPE)



단위: 치수mm, 무게kg

호칭지름 (DN)	각 부 치 수				무 계	
	e	R	L	h	A형	B형
80	7.0	137	274	43	13	10
100	7.2	155	310	45	17	13
150	7.8	200	400	50	31	25
200	8.4	245	490	55	50	41
250	9.0	290	580	60	75	62
300	9.6	335	670	65	107	90

4. 소켓플랜지십자관 (SOCKET CROSS WITH FLANGED BRANCH)



단위: 치수mm, 무게kg

본 관			지 관			무 계			
						KP메커니컬		메커니컬	
호칭지름 (DN)	e	L	호칭지름 (dn)	e _i	h	A형	B형	A형	B형
80	8.1	170	80	8.1	330	20.4	20.2	23.8	21.9
100	8.4	170	80	8.1	350	21.9	22.4	26.7	24.8
	8.4	190	100	8.4	360	23.6	24.1	28.4	26.5
125	8.8	170	80	8.1	380	25.4	26.2	30.8	28.9
	8.8	190	100	8.4	390	27.4	28.2	32.8	30.9
	8.8	225	125	8.8	400	31.6	32.4	37.0	35.1
150	9.1	170	80	8.1	410	26.8	29.0	34.6	32.9
	9.1	195	100	8.4	420	28.8	31.0	36.6	34.9
	9.1	255	150	9.1	440	36.2	38.4	44.0	42.3
200	9.8	175	80	8.1	470	35.9	38.1	44.5	42.4
	9.8	200	100	8.4	480	38.7	40.9	47.3	45.2
	9.8	255	150	9.1	500	46.6	48.8	55.2	53.1
	9.8	315	200	9.8	520	55.6	57.8	64.2	62.1

(계속)

단위: 치수mm, 무게kg

본 관			지 관			무 계			
						KP메커니컬		메커니컬	
호칭지름 (DN)	e	L	호칭지름 (dn)	e ₁	h	A형	B형	A형	B형
250	10.5	180	80	8.1	530	47.0	49.2	57.4	54.4
	10.5	200	100	8.4	540	49.6	51.8	60.0	57.0
	10.5	315	200	9.8	580	68.3	70.5	78.7	75.7
	10.5	375	250	10.5	600	80.5	82.7	90.9	87.9
300	11.2	180	80	8.1	590	57.3	61.3	71.5	68.4
	11.2	205	100	8.4	600	60.3	64.3	74.5	71.4
	11.2	320	200	9.8	640	81.3	85.3	95.5	92.4
	11.2	435	300	11.2	680	108.5	112.5	122.7	119.6
350	11.9	185	80	8.1	650	68.9	72.6	84.7	80.5
	11.9	205	100	8.4	660	72.2	75.9	88.0	83.8
	11.9	325	200	9.8	700	95.5	99.2	111.3	107.1
	11.9	440	300	11.2	740	124.5	128.2	140.3	136.1
	11.9	495	350	11.9	760	136.1	139.8	151.9	147.7
400	12.6	185	80	8.1	710	79.8	84.9	99.2	94.6
	12.6	210	100	8.4	720	84.3	89.4	103.7	99.1
	12.6	325	200	9.8	760	109.4	114.5	128.8	124.2
	12.6	440	300	11.2	800	141.3	146.4	160.7	156.1
	12.6	560	400	12.6	840	169.1	174.2	188.5	183.9
450	13.3	190	80	8.1	770	96.4	101.0	118.8	112.2
	13.3	215	100	8.4	780	101.5	106.1	123.9	117.3
	13.3	330	200	9.8	820	128.9	133.5	151.3	144.7
	13.3	445	300	11.2	860	162.5	167.1	184.9	178.3
	13.3	620	450	13.3	890	209.1	312.7	231.5	224.9
500	14.0	195	80	8.1	830	115.5	118.7	140.3	131.1
	14.0	215	100	8.4	840	120.7	123.9	145.5	136.3
	14.0	330	200	9.8	880	151.0	154.2	175.8	166.6
	14.0	565	400	12.6	960	220.6	223.8	245.4	236.2
	14.0	680	500	14.0	1000	259.6	262.8	284.4	275.2

(계속)

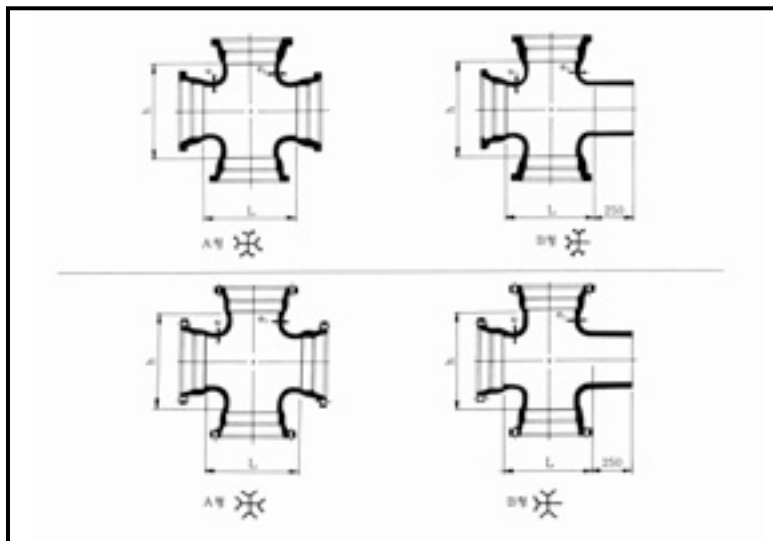
단위: 치수mm, 무게kg

본 관			지 관			무 계			
						KP메커니컬		메커니컬	
호칭지름 (DN)	e	L	호칭지름 (dn)	e ₁	h	A형	B형	A형	B형
600	15.4	200	80	8.1	950	160.2	159.9	190.6	175.1
	15.4	220	100	8.4	960	165.9	165.9	196.3	180.8
	15.4	340	200	9.8	1000	203.2	202.9	233.6	218.1
	15.4	455	300	11.2	1040	245.0	244.7	275.4	259.9
	15.4	570	400	12.6	1080	283.2	282.9	313.6	298.1
	15.4	800	600	15.4	1160	381.4	381.1	411.8	396.3
700	16.8	205	80	8.1	1010	219.2	209.9	250.8	225.7
	16.8	230	100	8.4	1020	224.5	215.2	256.1	231.0
	16.8	345	200	9.8	1050	268.0	258.7	299.6	274.5
	16.8	575	400	12.6	1110	354.1	344.8	385.7	360.6
	16.8	810	600	15.4	1170	454.3	545.0	485.9	460.8
	16.8	925	700	16.8	1200	510.7	501.4	542.3	517.2
800	18.2	210	80	8.1	1120	269.8	258.9	320.4	284.2
	18.2	235	100	8.4	1140	277.7	266.8	328.3	292.1
	18.2	350	200	9.8	1170	327.8	316.9	378.4	342.2
	18.2	580	400	12.6	1230	428.3	417.4	478.9	442.7
	18.2	1045	600	15.4	1290	519.3	508.4	569.9	533.7
	18.2	1045	800	18.2	1290	684.5	673.6	735.1	698.9
900	19.6	215	80	8.1	1250	332.2	317.3	401.6	352.0
	19.6	240	100	8.4	1260	341.3	326.4	410.7	361.1
	19.6	355	200	9.8	1290	397.9	383.0	467.3	417.7
	19.6	590	400	12.6	1350	515.8	500.9	585.2	535.6
	19.6	1170	600	15.4	1410	784.9	770.0	854.3	804.7
	19.6	1170	900	19.6	1500	868.9	854.0	983.3	888.7
1000	21.0	225	80	8.1	1370	420.3	390.2	523.3	441.7
	21.0	245	100	8.4	1380	433.6	403.5	536.3	455.0
	21.0	360	200	9.8	1410	496.6	466.5	599.6	518.0
	21.0	595	400	12.6	1470	631.7	601.6	734.7	653.1
	21.0	1290	600	15.4	1530	999.5	969.4	1102.5	1020.9
	21.0	1290	1000	21.0	1650	1122.7	1092.6	1225.7	1144.1

(계속)

5.소켓 십자관 (SOCKET CROSS)

단위: 치수mm, 무게kg



단위: 치수mm, 무게kg

본 관			지 관			무 계			
						KP메커니컬		메커니컬	
호칭지름 (DN)	e	L	호칭지름 (dn)	e ₁	h	A형	B형	A형	B형
80	8.1	170	80	8.1	170	21	20	27	26
100	8.4	170	80	8.4	190	22	23	30	28
	8.4	190	100	8.4	190	23	24	33	31
125	8.8	170	80	8.8	220	26	27	35	33
	8.8	195	100	8.8	220	27	28	37	36
	8.8	225	125	8.8	230	30	31	41	39
150	9.1	170	80	9.1	250	27	29	38	36
	9.1	195	100	9.1	250	28	31	41	39
	9.1	255	150	9.1	260	33	35	48	47
200	9.8	175	80	9.8	310	36	38	48	46
	9.8	200	100	9.8	310	38	40	52	49
	9.8	255	150	9.8	310	43	45	59	56
	9.8	315	200	9.8	320	52	54	69	67

(계속)

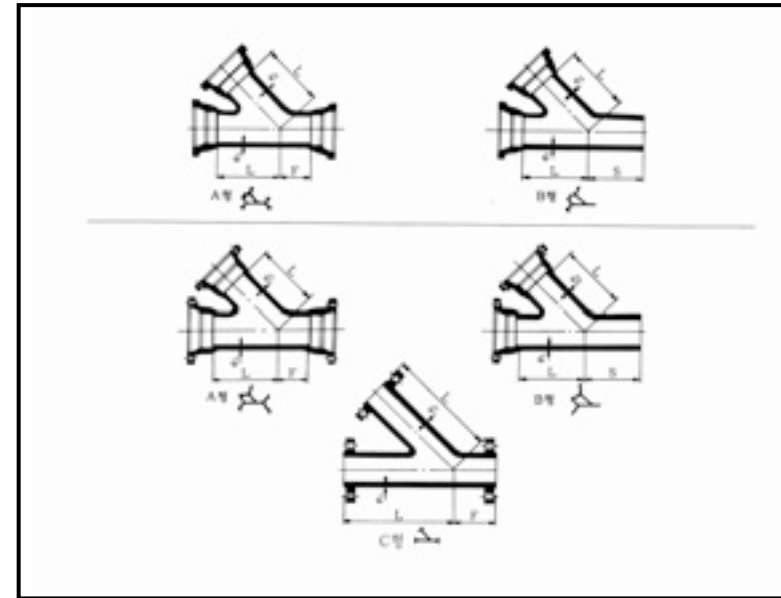
본 관			지 관			무 계			
						KP메커니컬		메커니컬	
호칭지름 (DN)	e	L	호칭지름 (dn)	e ₁	h	A형	B형	A형	B형
250	10.5	180	80	10.5	370	48	50	61	58
	10.5	205	100	10.5	370	49	51	64	61
	10.5	260	150	10.5	370	55	57	73	73
	10.5	320	200	10.5	370	65	67	84	81
	10.5	375	250	10.5	380	76	78	96	93
300	11.2	205	100	11.2	430	59	63	78	75
	11.2	260	150	11.2	430	66	70	88	85
	11.2	320	200	11.2	430	77	81	100	97
	11.2	380	250	11.2	440	89	93	114	111
	11.2	435	300	11.2	440	99	103	127	124
350	11.9	205	100	11.9	480	71	75	92	87
	11.9	265	150	11.9	490	79	83	103	98
	11.9	325	200	11.9	490	92	95	111	111
	11.9	440	300	11.9	500	114	118	144	140
	11.9	495	350	11.9	500	127	131	159	155
400	12.6	210	100	12.6	540	83	88	107	103
	12.6	325	200	12.6	550	105	110	133	128
	12.6	440	300	12.6	550	130	135	164	132
	12.6	560	400	12.6	560	157	162	195	191
450	13.3	215	100	13.3	600	100	105	127	121
	13.3	270	150	13.3	600	110	114	140	133
	13.3	330	200	13.3	610	124	128	155	148
	13.3	445	300	13.3	610	151	156	188	181
	13.3	560	400	13.3	620	179	184	221	214
	13.3	620	450	13.3	620	197	202	242	236
500	14.0	215	100	14.0	660	119	122	149	140
	14.0	330	200	14.0	660	145	150	179	170
	14.0	450	300	14.0	670	176	179	215	206
	14.0	565	400	14.0	680	206	209	256	241
	14.0	680	500	14.0	680	246	249	296	286

(계속)

단위: 치수mm, 무게kg

본 관			지 관			무 계			
						KP메커니컬		메커니컬	
호칭지름 (DN)	e	L	호칭지름 (dn)	e ₁	h	A형	B형	A형	B형
600	15.4	220	100	15.4	770	164	164	199	184
	15.4	340	200	15.4	780	197	196	236	220
	15.4	450	300	15.4	790	232	232	276	261
	15.4	570	400	15.4	790	268	268	318	302
	15.4	680	500	15.4	800	311	311	366	351
	15.4	800	600	15.4	800	361	361	422	406

6. Y 형 관 (Y BRANCH)



단위: 치수mm, 무게kg

호칭지름		각 부 치 수					무 계				
							KP메커니컬		메커니컬		플랜지
							A형	B형	A형	B형	
80	80	8.1	8.1	320	140	345	23.5	22.5	29.5	26.5	20.0
100	80	8.4	8.1	370	140	345	28.5	28.0	35.0	32.0	24.5
	100	8.4	8.4	370	140	345	30.5	30.0	37.5	34.5	26.0
125	80	8.8	8.1	400	146	350	34.5	34.0	42.0	39.0	30.0
	100	8.8	8.4	400	146	350	36.5	36.0	44.5	41.0	31.5
	125	8.8	8.8	400	146	350	39.5	39.0	47.5	44.5	34.0
150	80	9.1	8.1	435	154	360	42.5	42.0	49.5	46.5	36.5
	100	9.1	8.4	435	154	360	44.5	44.0	52.0	48.5	38.0
	150	9.1	9.1	435	154	360	51.0	50.0	58.5	55.0	43.5
200	80	9.8	8.1	510	181	385	61.0	60.5	70.5	66.0	53.5
	100	9.8	8.4	510	181	385	63.0	62.5	73.0	68.5	55.5
	150	9.8	9.1	510	181	385	69.0	68.5	79.5	75.0	60.5
	200	9.8	9.8	510	181	385	76.5	76.0	88.0	83.5	67.0

(계속)