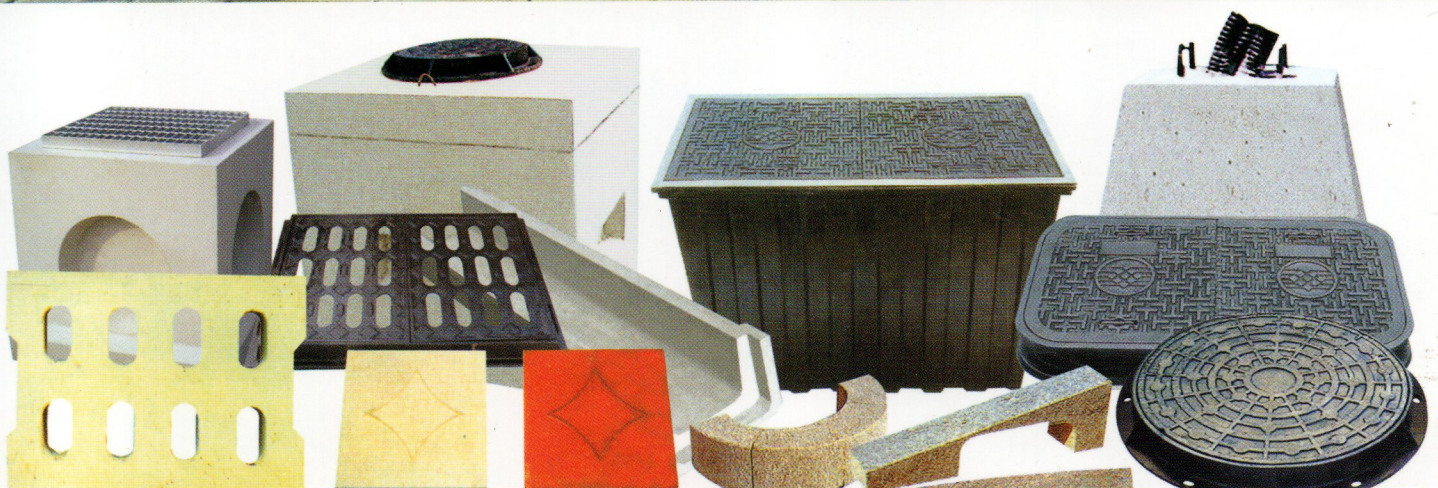




광명산업

<http://kmindustry.co.kr>

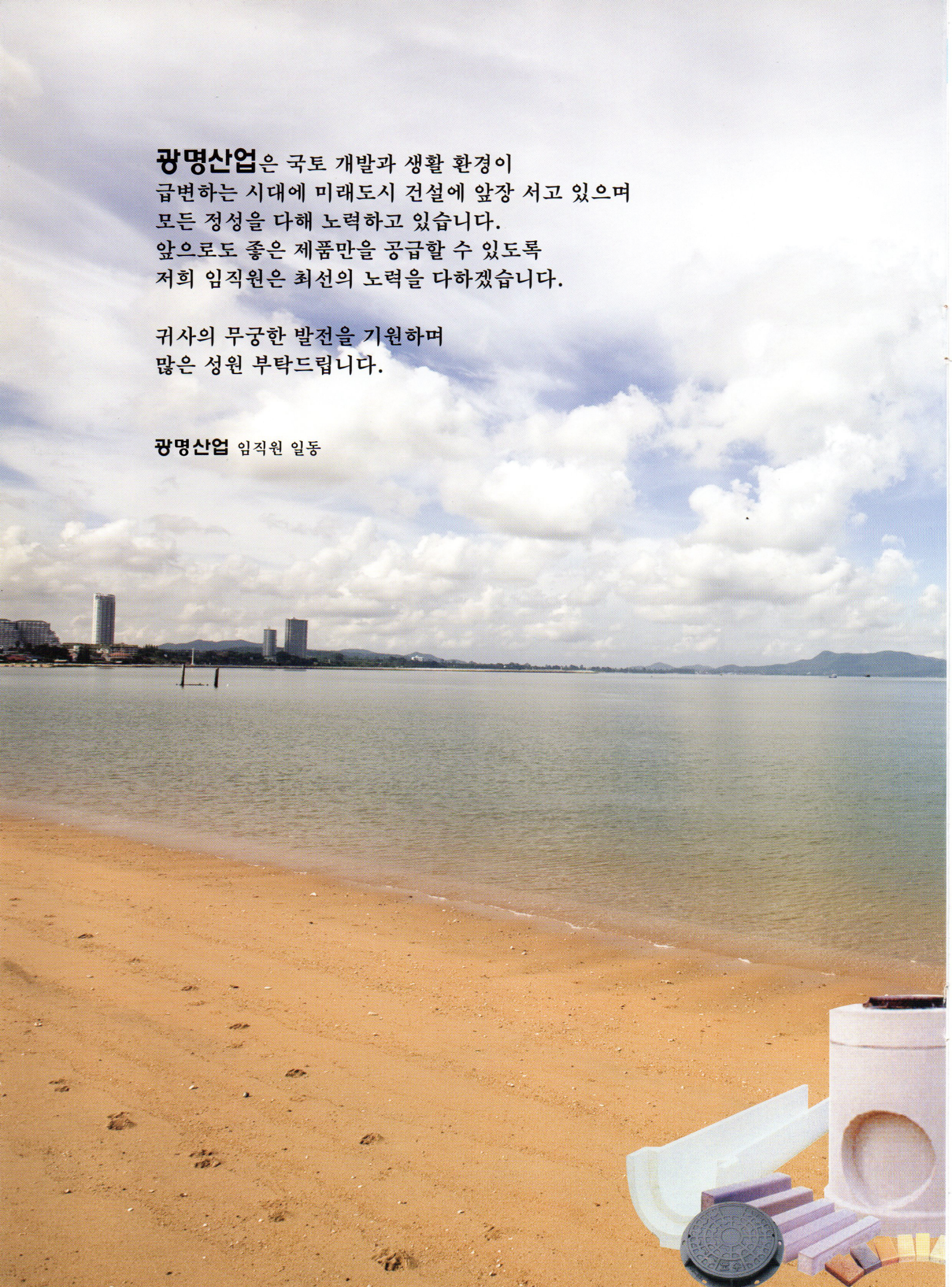
Tel : 031-355-9651~3

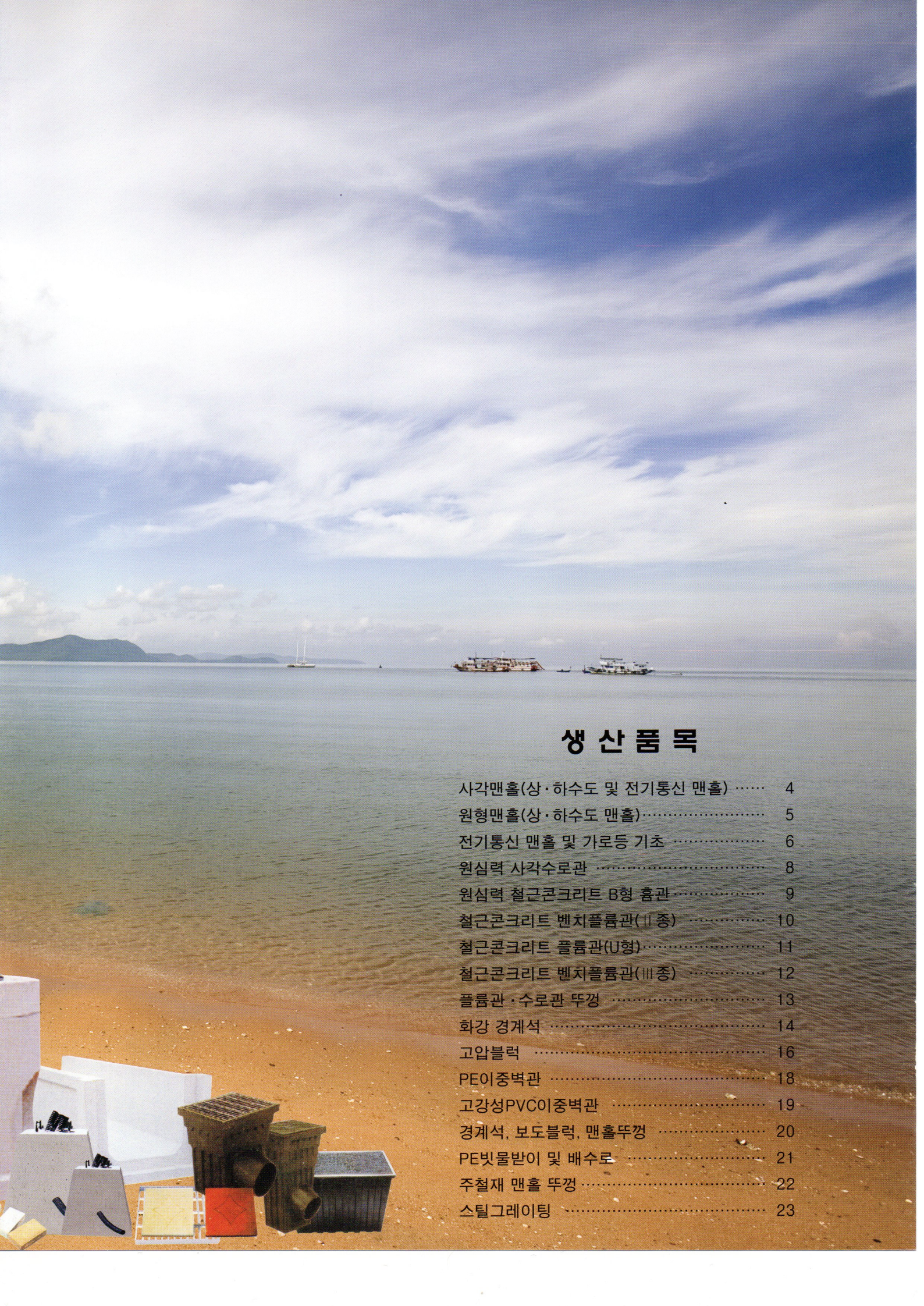


광명산업은 국토 개발과 생활 환경이
급변하는 시대에 미래도시 건설에 앞장 서고 있으며
모든 정성을 다해 노력하고 있습니다.
앞으로도 좋은 제품만을 공급할 수 있도록
저희 임직원은 최선의 노력을 다하겠습니다.

귀사의 무궁한 발전을 기원하며
많은 성원 부탁드립니다.

광명산업 임직원 일동

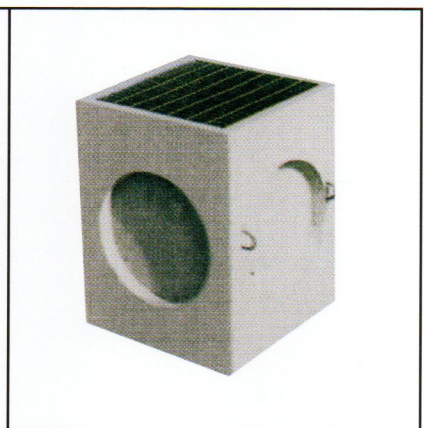
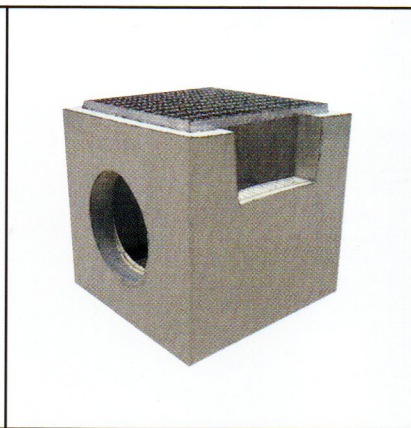
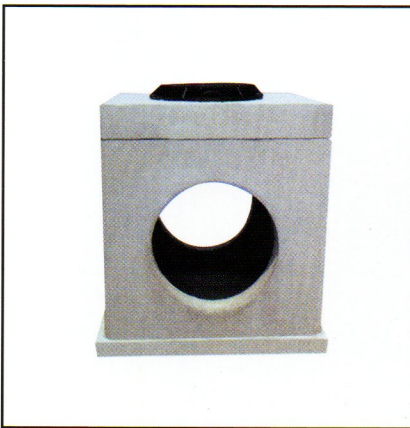
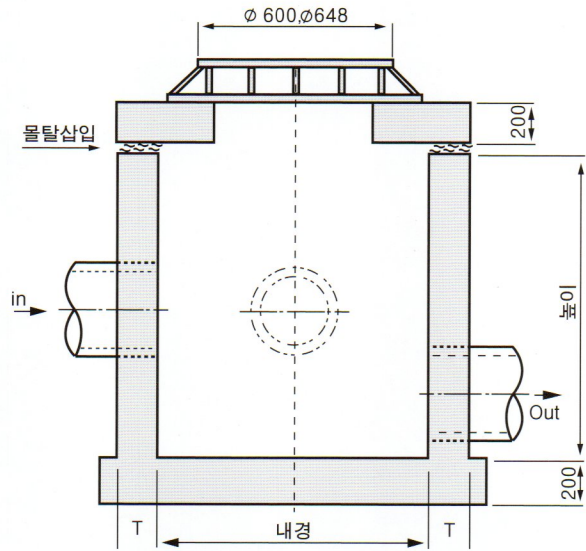
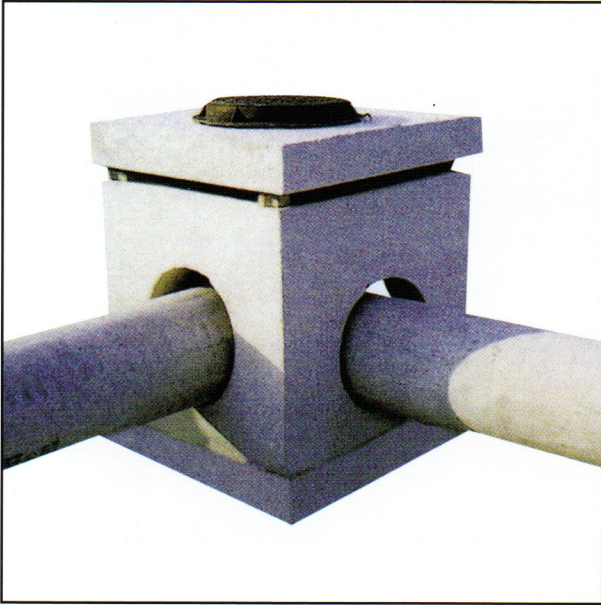




생 산 품 목

사각맨홀(상·하수도 및 전기통신 맨홀)	4
원형맨홀(상·하수도 맨홀).....	5
전기통신 맨홀 및 가로등 기초	6
원심력 사각수로관	8
원심력 철근콘크리트 B형 흡관	9
철근콘크리트 벤치플룸관(Ⅱ종)	10
철근콘크리트 플룸관(U형).....	11
철근콘크리트 벤치플룸관(Ⅲ종)	12
플룸관·수로관 뚜껑	13
화강 경계석	14
고압블럭	16
PE이중벽관	18
고강성PVC이중벽관	19
경계석, 보도블럭, 맨홀뚜껑	20
PE빗물받이 및 배수로	21
주철재 맨홀 뚜껑	22
스틸그레이팅	23

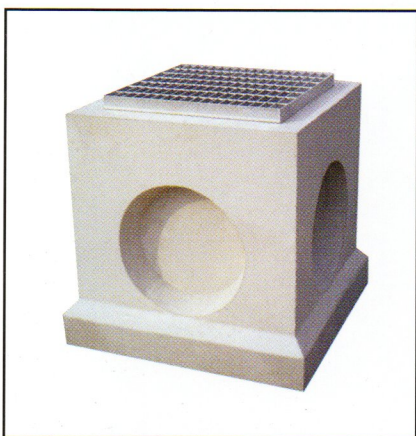
▣ 사각맨홀(상·하수도 및 전기통신 맨홀)



사각맨홀

특수집수정맨홀

집수정맨홀

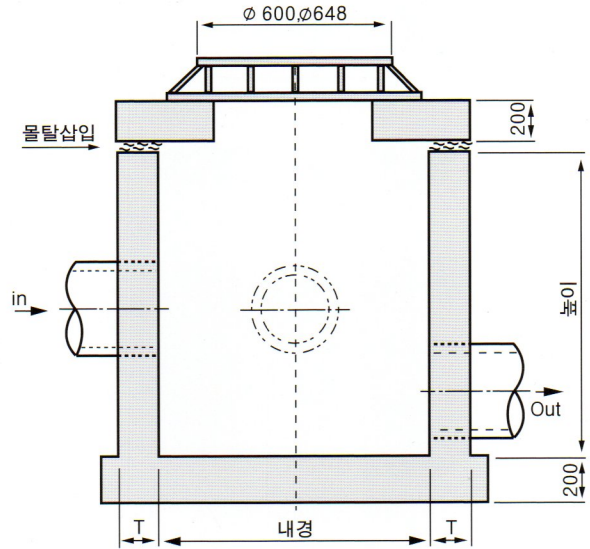
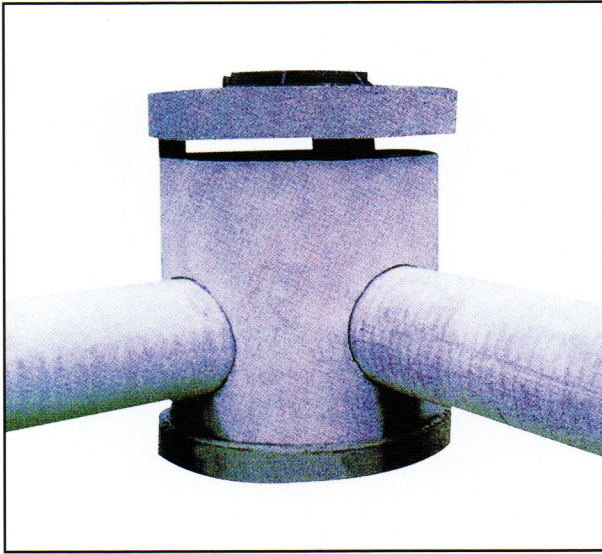


사각집수정

상·하수도 및 전기통신 맨홀 규격(내경)

가로	세로	깊이	두께	중량(톤)
신호등맨홀 400x400x600x100 뚜껑포함				
신호등맨홀 600x600x800x100 뚜껑포함				
400	400	600	150	0.68
450	950	700	150	1.23
600	600	600	150	0.93
600	600	1000	150	1.33
800	800	1000	150	2.22
800	1700	1100	150	3.84
1000	1000	1000	150	2.81
1000	1000	1000	200	3.96
1000	2000	1400	150	5.58
1200	1200	1200	150	3.91
1500	1500	1500	150	5.94
1500	2000	1500	150	7.40
PE맨홀 520 x 520 x 650 뚜껑포함				
PE맨홀 500 x 950 x 700 뚜껑포함				

□ 원형맨홀(상·하수도 맨홀)



맨홀뚜껑

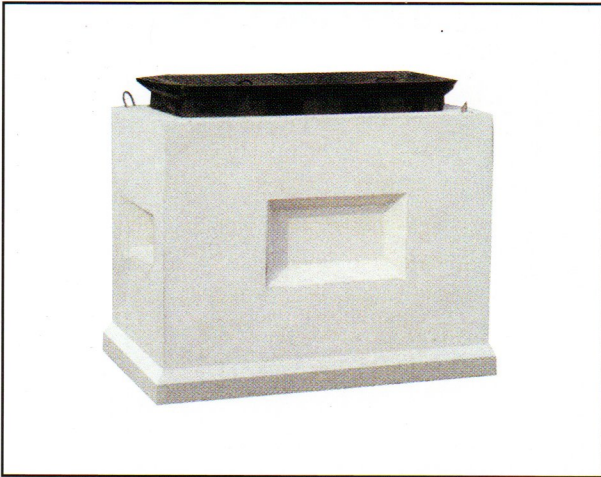
상·하수도 원형맨홀 내경치수			
지름	길이	두께	중량(톤)
900	1200	200	2.96
1200	1200	200	4.00
1500	1500	200	5.92
1800	1600	300	



맨홀뚜껑



수공 맨홀



전기 및 통신 맨홀 규격(내경)

가 로	세 로	깊 이	두 께	중 량(톤)
신호등맨홀 400x400x600x100 뚜껑포함				
신호등맨홀 600x600x800x100 뚜껑포함				
400	400	600	150	0.68
450	950	700	150	1.23
600	600	600	150	0.93
600	600	1000	150	1.33
800	800	1000	150	2.22
800	1700	1100	150	3.84
1000	1000	1000	150	2.81
1000	1000	1000	200	3.96
1000	2000	1400	150	5.58
1200	1200	1200	150	3.91
1500	1500	1500	150	5.94
1500	2000	1500	150	7.40
PE맨홀 520 x 520 x 650 뚜껑포함				
PE맨홀 500 x 950 x 700 뚜껑포함				

전기통신 맨홀

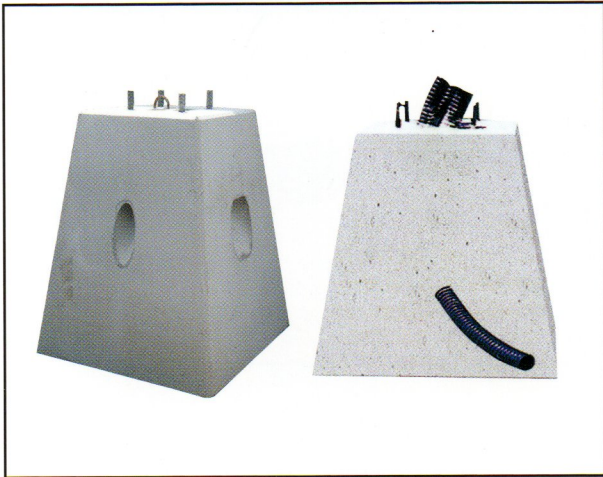


PE전기통신 맨홀



호 칭	규 격
수공1호 전기박스(주철포함)	500 x 950 x 700

가로등 기초



가로등 기초



전기통신 맨홀(체크무늬 뚜껑)



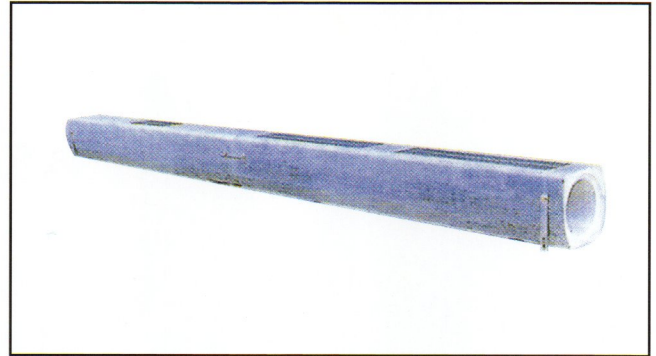
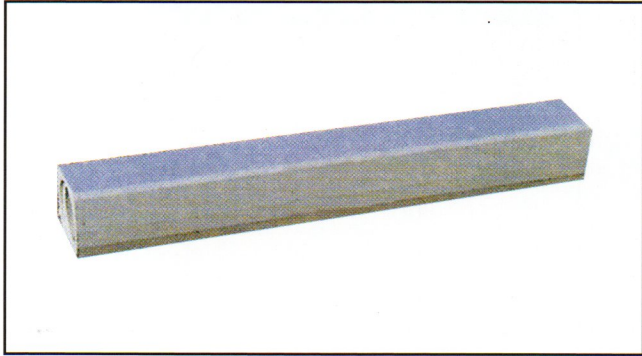
가로등 기초 규격

윗 면	밑 면	높 이	비 고	중량(톤)
200	200	300		0.029
200	200	400		0.038
250	250	300		0.044
250	250	400		0.059
300	300	300		0.070
300	300	400		0.085
300	400	500		0.150
350	500	450		0.190
400	500	600		0.280
400	600	700		0.400
400	700	800		0.560
400	700	900		0.630
400	800	900	직선형	0.760
400	800	1000		0.850
400	800	1200		1.000
450	600	700		0.450
450	700	900		0.700
450	800	1200		1.100
500	600	800		0.560
500	650	1200	직선형	0.930
500	650	1300	직선형	1.000
500	800	1000		1.000
500	800	1100		1.080
500	800	1200		1.180
500	800	1200	직선형	1.180
500	900	1200	직선형	1.380
500	1000	1000		1.320
500	1000	1200		1.580
550	800	1000		1.060
600	800	1000		1.140
600	1400	1200		2.800
600	1200	1500		2.840
800	1200	1200		2.810
800	1200	1800		4.200

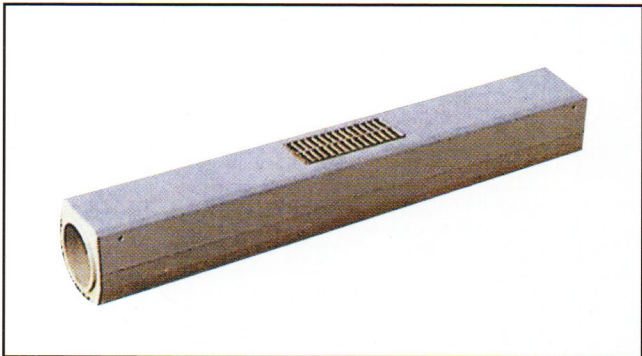
앙카볼트(용융도금)

12	250L
16	300L
19	350L
22	450L
25	450L
25	500L

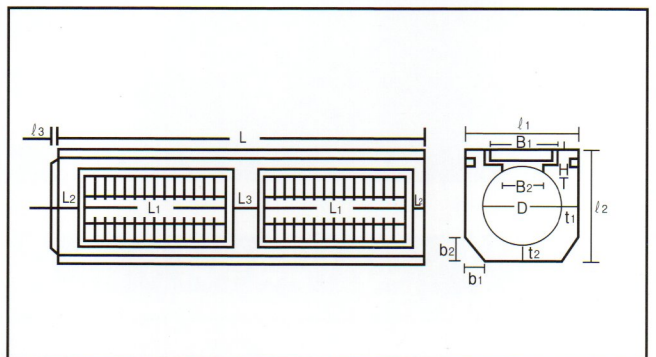
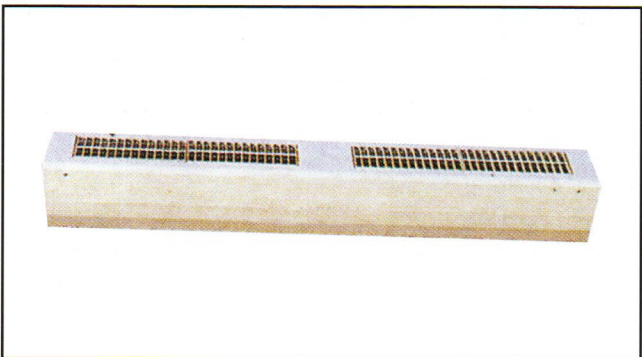
R 형



RG 형



RDG 형



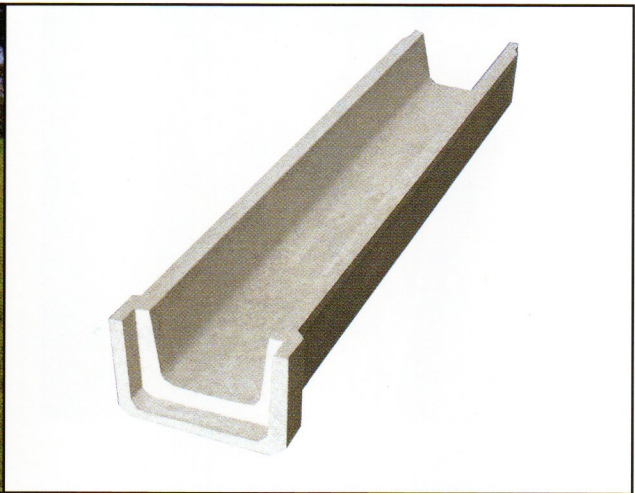
호칭 D	치 수								치 수							참고 중량 (kg)	설 계 가		
	l	l ₂	l ₃	L	t ₁	t ₂	b ₁	b ₂	B ₁	B ₂	L ₁	L ₂	L ₃	H	R형		RG형	RDG형	
250	340	360	13	2500	45	55	45	100	200	92	1000	125	250	32	420	58,920	67,630	118,200	
300	400	420	13	2500	50	60	50	140	260	152	1000	125	250	50	553	71,960	82,590	141,120	
350	460	480	13	2500	55	65	55	160	300	192	1000	125	250	50	709	87,530	100,470		
400	520	540	13	2500	60	70	60	180	300	192	1000	125	250	50	884	104,080	119,490	250,000	
450	580	600	13	2500	65	75	65	200	300	192	1000	125	250	50	1028	120,020	137,760		
500	640	660	13	2500	70	80	70	220	400	292	1000	125	250	50	1290	149,530	170,600		
600	760	780	13	2500	80	90	80	260	400	292	1000	125	250	50	1772	203,260	234,430		

실행예산가 100%

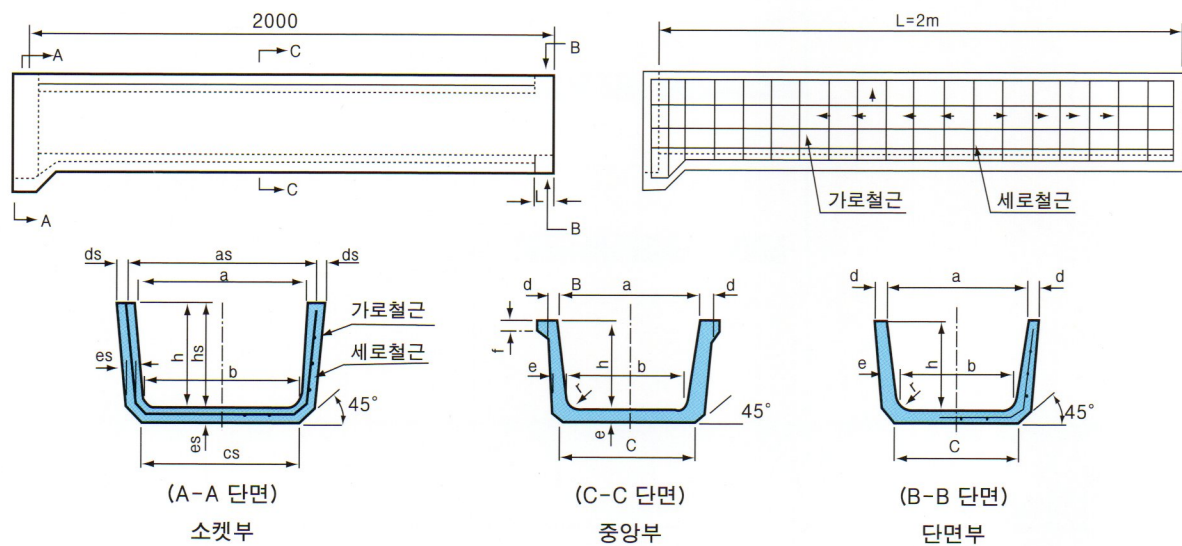


Technical drawing of a stepped shaft. The drawing includes a side view and two end views. The side view shows a shaft with a total length L . It has a central section of length L_1 with diameter $\varnothing D$. This central section is flanked by two sections of length L_2 and L_3 with diameter $\varnothing D3$. The shaft has a shoulder of height T on the left and a step of height L_4 on the right. The right end view shows a diameter of $\varnothing D4$. The left end view shows a diameter of $\varnothing D$.

9

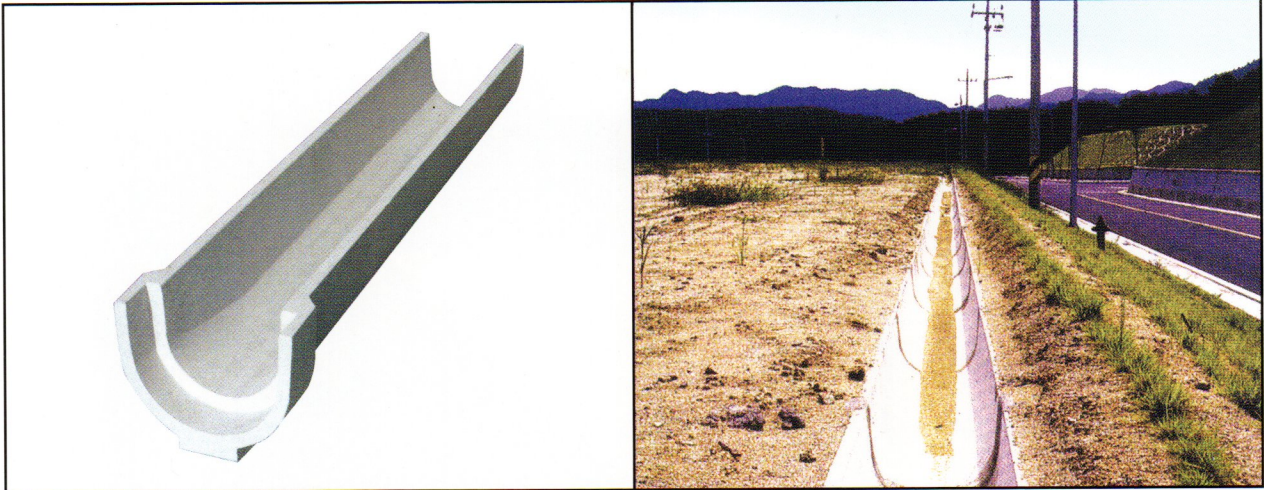


치수 및 구조도

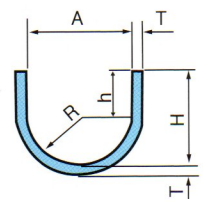
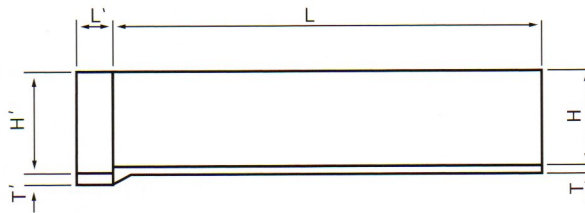
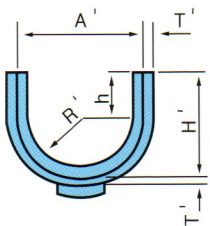


단위:mm

구분 규격	치수구분														세로철근		가로철근(kg)
	a	a	b	c	c	d	d	e	e	f	h	h	직경	본수	직경	본수	
200	200	276	170	205	265	30	35	35	40	30	150	195	3.2	8	2.6	21	90
250	250	326	215	250	310	30	35	35	40	30	175	220	3.2	9	2.6	23	110
300	300	376	260	300	365	30	35	40	45	30	200	250	3.2	9	3.2	21	141
350	350	436	300	345	420	35	40	45	55	40	235	290	3.2	10	3.2	23	187
400	400	496	345	395	475	40	45	50	60	40	260	320	4.0	10	4.0	21	230
450	450	546	390	440	520	40	45	50	60	40	295	355	4.0	12	4.0	21	269
500	500	606	435	490	575	45	50	55	65	50	320	385	5.0	12	4.0	23	330
550	550	656	475	535	625	45	50	60	70	50	355	425	5.0	12	5.0	21	360
600	600	706	520	580	670	45	50	60	70	50	380	450	5.0	12	5.0	21	400
650	650	756	565	630	725	45	50	65	75	50	415	490	5.0	13	5.0	23	457
700	700	816	610	680	780	50	55	70	80	60	440	520	5.0	13	5.0	23	549
800	800	916	695	770	875	50	55	75	85	60	490	575	5.0	14	6.0	21	643
900	900	1026	785	870	980	55	60	85	90	60	550	645	5.0	14	6.0	23	817
1000	1000	1126	875	965	1085	55	60	90	100	60	600	700	5.0	15	6.0	25	939

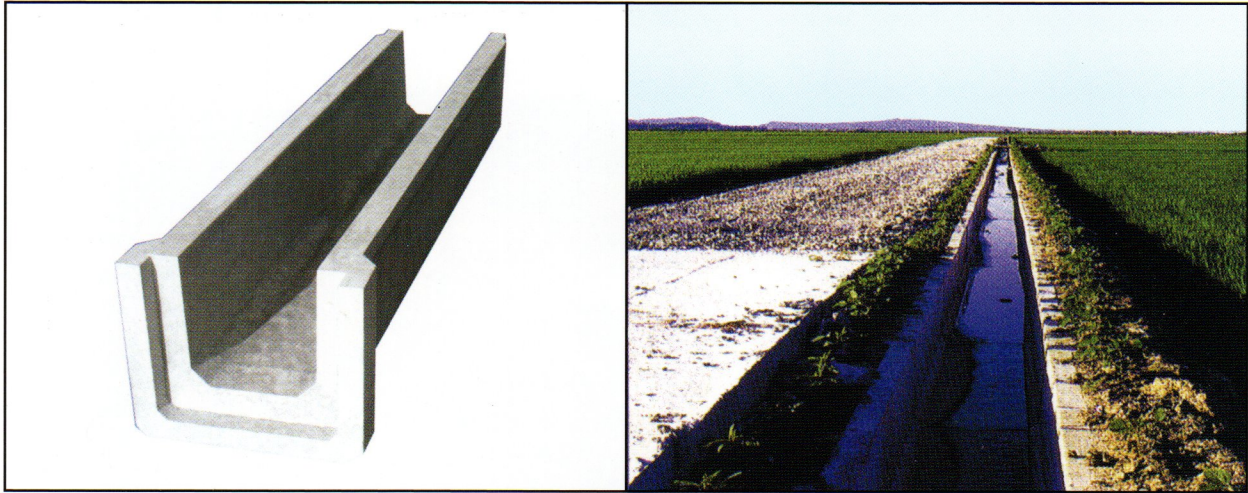


치수 및 구조도

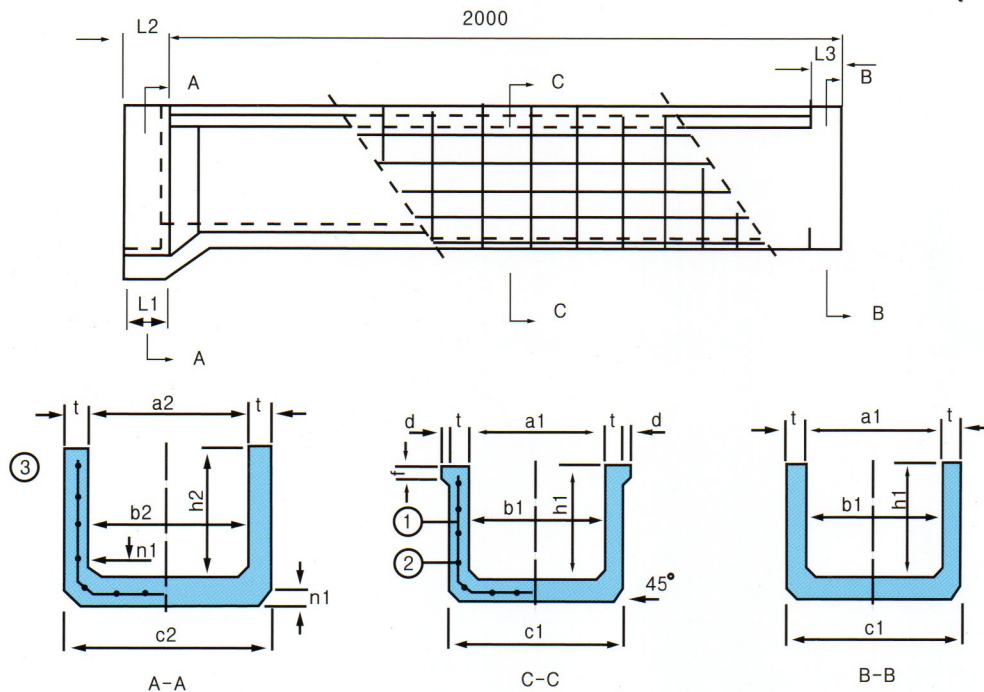


단위:mm

구분 규격	치수 구분											참고 중량 (kg)
	A	A'	H	H'	T	T'	L	L'	h	R	R'	
200	210	279	200	234	28	28	1995	100	100	100	134	85
250	260	332	240	276	30	30	1995	100	115	125	161	110
300	310	390	275	315	32	32	1995	100	125	150	190	135
350	360	446	315	358	35	35	1995	120	140	175	218	170
400	425	517	350	396	38	38	1995	120	150	200	246	200
450	480	590	390	445	45	45	1995	140	165	225	280	270
500	530	654	425	487	52	52	1995	140	175	250	312	335
550	600	736	480	548	58	58	1995	140	200	280	348	410
600	640	780	500	570	60	60	1995	140	200	300	370	460
700	745	905	575	655	70	70	1995	140	225	350	430	475
800	845	1025	650	740	80	80	1995	140	250	400	490	615
900	965	1165	740	840	90	90	1995	140	280	460	560	790
1000	1055	1275	800	910	100	100	1995	140	300	500	610	950



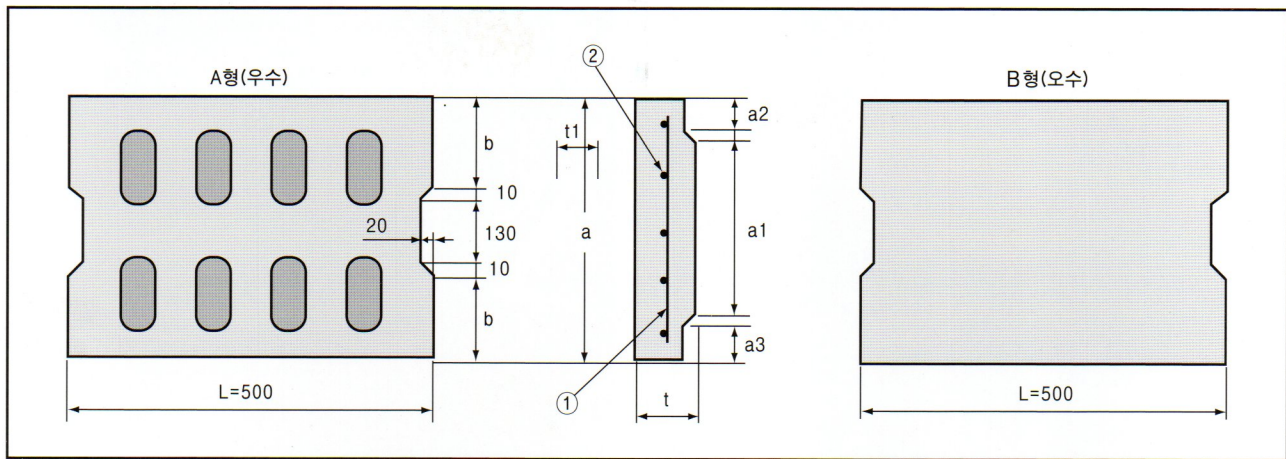
치수 및 구조도



단위:mm

구분 규격	안치수 a×b	치수구분															철근(mm)×본수			참고 중량 (kg)
		a1	b1	c1	h1	t	d	f	a2	b2	c2	h2	n1	L1	L2	L3	①	②	③	
300	300×300	300	280	380	300	50	20	40	415	315	495	360	40	70	80	60	φ3.2×9	φ3.2×23	φ3.2×2	251
400A	400×300	400	380	480	400	50	20	40	515	495	595	360	40	80	90	70	φ4×12	φ4×23	φ4×2	276
400C	400×400	400	380	490	400	60	20	40	535	505	625	470	40	80	90	70	φ4×12	φ4×23	φ4×2	386
500A	500×400	500	470	590	400	60	20	45	635	605	725	470	45	90	100	80	φ5×12	φ5×21	φ5×2	430
500B	500×450	500	470	600	450	65	20	50	645	615	745	525	50	90	100	80	φ5×12	φ5×21	φ5×2	490
500C	500×500	500	470	610	500	70	20	50	655	625	765	580	50	90	100	80	φ5×12	φ5×21	φ5×2	551
600B	600×500	600	570	710	600	70	20	50	755	725	865	580	50	90	100	80	φ5×13	φ5×23	φ5×2	620
600C	600×600	600	570	720	600	75	20	50	765	735	885	685	50	90	100	80	φ5×13	φ5×23	φ5×2	755
700	700×600	700	670	820	700	75	20	50	865	835	985	685	50	90	100	80	φ5.5×16	φ5.5×25	φ5.5×2	845
800	800×700	800	770	930	800	80	20	60	975	945	1105	790	60	90	100	80	φ5.5×16	φ5.5×25	φ5.5×2	990
900	900×800	900	860	1030	900	85	20	60	1085	1045	1215	895	60	100	110	90	φ5.5×16	φ5.5×25	φ5.5×2	1170

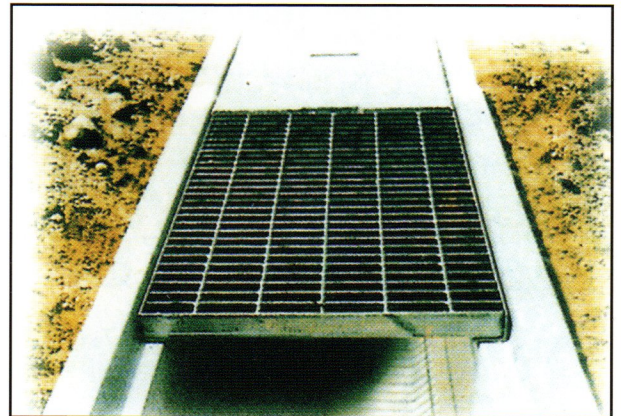
□ 플룸관 · 수로관 뚜껑



● 설치 후 모습

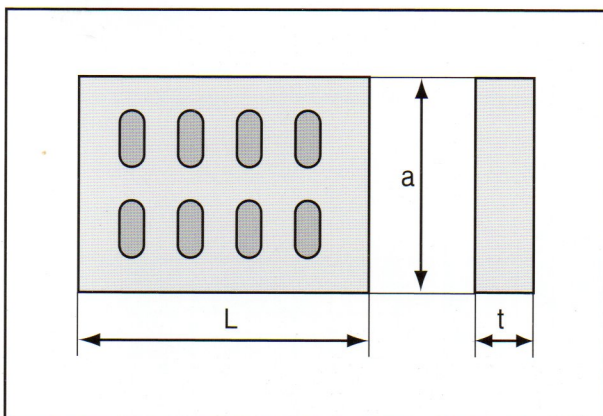
설계가 (100%)	호 칭	사용수로관 규 격	뚜 껑 치 수					
			a	a1	a2	b	t	t1
5,300	250-A,B	250	380	220	70	115	80	70
6,700	350-A,B	350	440	270	75	145		
9,200	400-A,B	400	560	370	85	205	90	80
10,200	450-A,B	450	620	420	95	235		
10,600	500-A,B	500	670	470	100	260	95	85
13,200	600-A,B	600	790	570		320	100	90
14,700	700-A,B	700	890	670		370	105	95
16,800	800-A,B	800	1000	770	105	425	110	100
19,400	900-A,B	900	1110	870	110	480	115	105
23,100	1000-A,B	1000	1210	970		530	125	115

실행예산가 65~85%



콘크리트 빗물받이 뚜껑

● 상세도



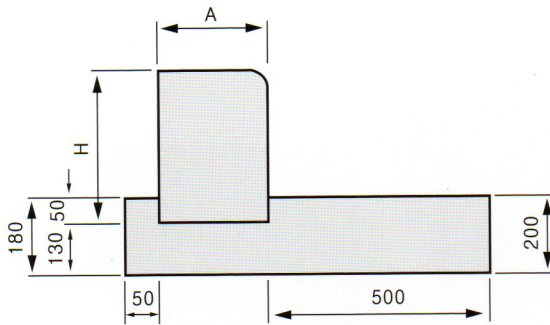
호 칭	규 격			비 고	설계가
	a	L	T		
차도측 제2호	400	500	80	받침680x580x160	3,600
차도측 제3호	450	620			
보 도 측	550	660		받침900x670x160	
주공빗물받이뚜껑1호	540	330	100	차 도 측	
주공빗물받이뚜껑2호	500	350		보 도 측	
주공빗물받이뚜껑3호	540	310			

실행예산가 80~90%

▣ 화강 경계석



일반형 경계블럭

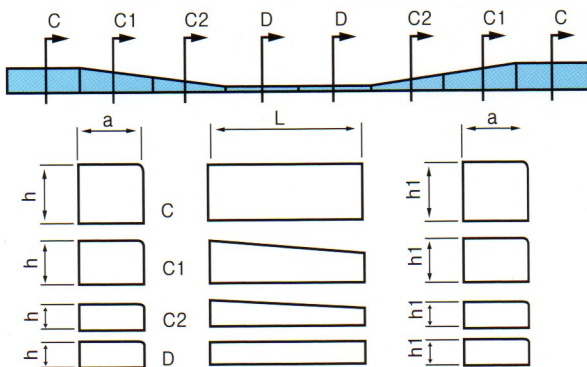


일반형(직선형, 곡선형 공통)

단위:m당

규격(mm)			이음물타량 (m³)	Con'c량 (m³)
A,B	H	L		
250	300	1000	0.00075	0.136
200	300	1000	0.0006	0.13
250	250	1000	0.000625	0.136
200	250	1000	0.0005	0.13
200	200	1000	0.0004	0.13
180	200	1000	0.00036	0.127
150	200	1000	0.0003	0.124
150	150	1000	0.000225	0.124
120	150	1000	0.00018	0.12
100	100	1000	0.0001	0.117
거푸집(규격공통)합판4회			거푸집 산출근거 0.18+0.2=0.38m³	

장애자용 경계블럭

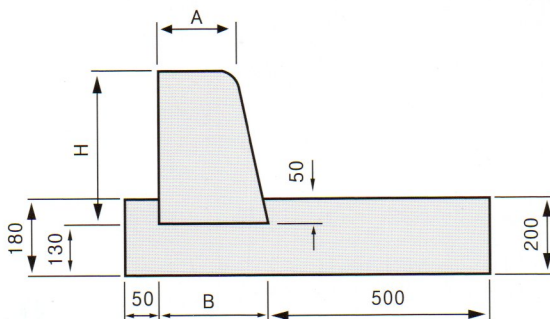


장애자형

단위:m당

Type	규격	치수(mm)			
		a	h	h1	L
광로 및 대로형	C	250	300	300	1000
	C1	250	300	200	1000
	C2	250	200	100	1000
	D	250	100	100	1000
대로 및 소로형	C	250	250	250	1000
	C1	250	250	175	1000
	C2	250	175	100	1000
	D	250	100	100	1000
중로 및 소로형	C	200	250	250	1000
	C1	200	250	175	1000
	C2	200	175	100	1000
	D	200	100	100	1000

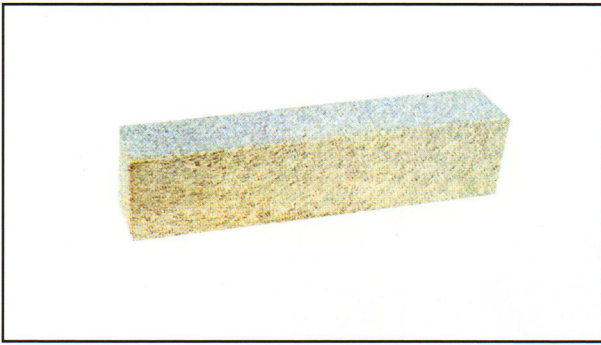
특수형 경계블럭



특수형

단위:m당

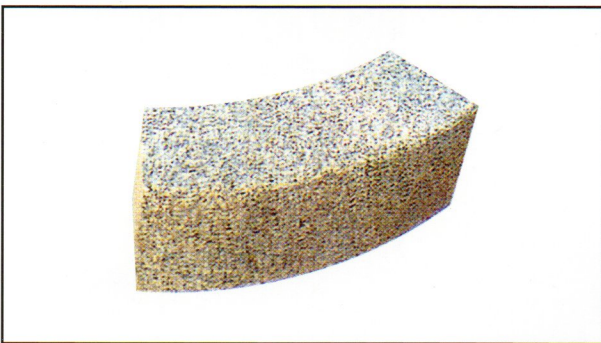
규격(mm)				이음물타량 (m³)	Con'c량 (m³)
A	B	H	L		
150	180	200	1000	0.00033	0.120
180	201	250	1000	0.00048	0.13
180	210	300	1000	0.00059	0.132
거푸집(규격공통)합판4회				거푸집 산출근거 0.18+0.2=0.38m³	



일반 직선형



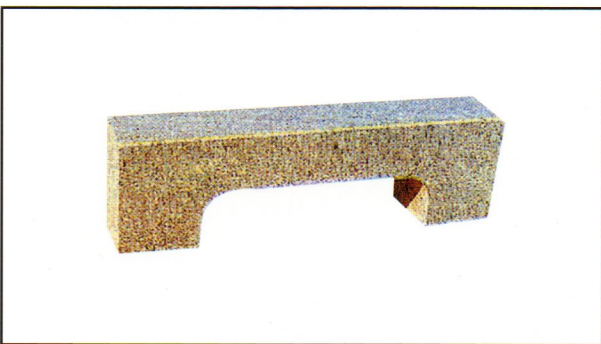
장애자용 직선형



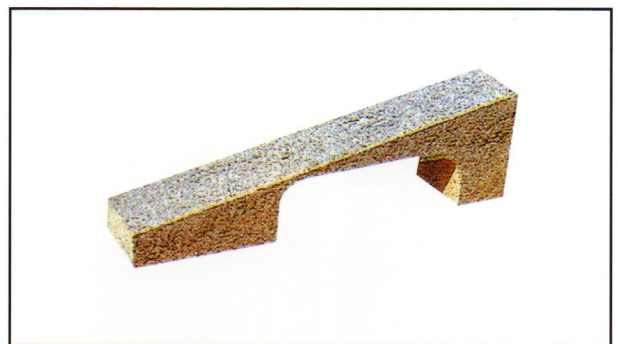
일반곡선형 (주문제작)



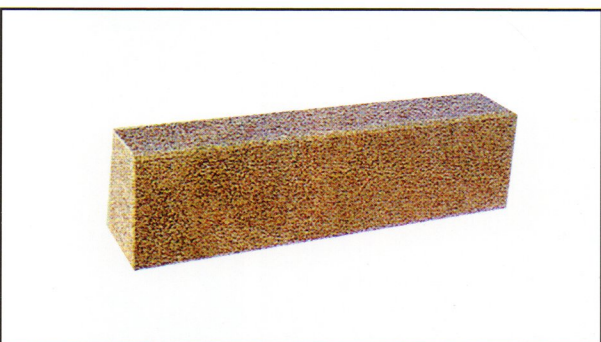
장애자용 곡선형 (주문제작)



일반직선 빗물받이형



장애자용 빗물받이형

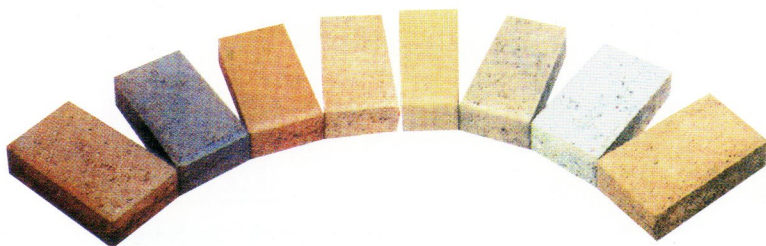


특수형 (연마형)

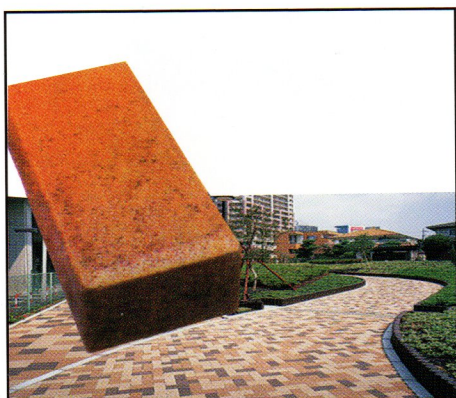


중앙분리대 곡선

고압블럭(I.L.P) 형



I.L.P의 종류



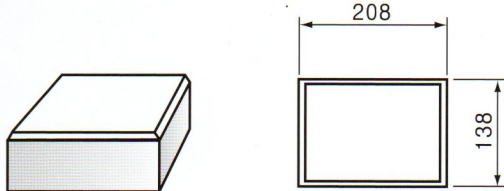
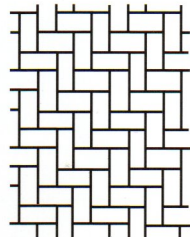
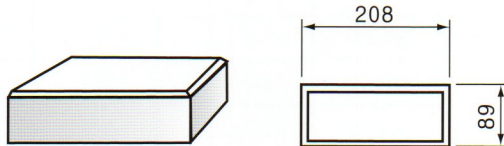
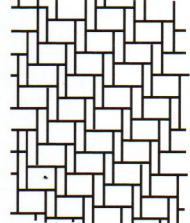
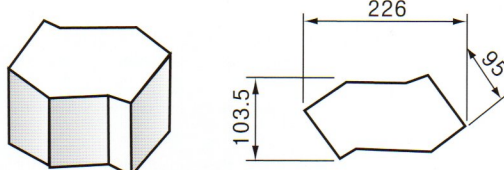
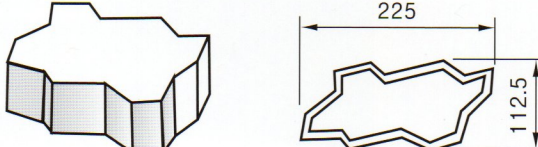
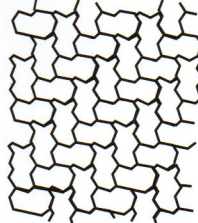
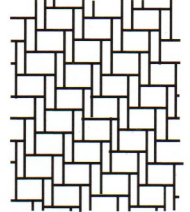
고압블럭 색상

색상표

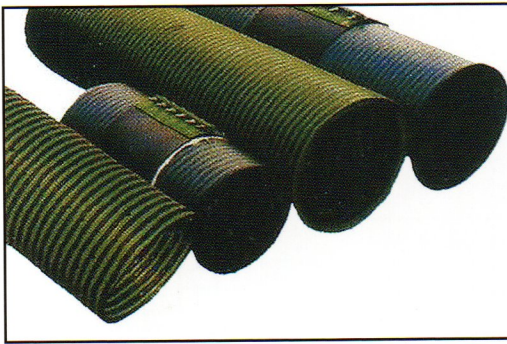


흑색 적색 갈색 녹색 황색 회색 백색



O-Type		<table><tr><td colspan="2">34 개/m²</td></tr><tr><td>t=7</td><td>150kg/m²</td></tr></table>	34 개/m ²		t=7	150kg/m ²			
34 개/m ²									
t=7	150kg/m ²								
I-Type		<table><tr><td colspan="2">69 개/m²</td></tr><tr><td>t=7</td><td>150kg/m²</td></tr></table>	69 개/m ²		t=7	150kg/m ²			
69 개/m ²									
t=7	150kg/m ²								
S-Type		<table><tr><td colspan="2">49 개/m²</td></tr><tr><td>t=6</td><td>130kg/m²</td></tr><tr><td>t=8</td><td>175kg/m²</td></tr></table>	49 개/m ²		t=6	130kg/m ²	t=8	175kg/m ²	
49 개/m ²									
t=6	130kg/m ²								
t=8	175kg/m ²								
U-Type		<table><tr><td colspan="2">39 개/m²</td></tr><tr><td>t=6</td><td>130kg/m²</td></tr><tr><td>t=8</td><td>175kg/m²</td></tr></table>	39 개/m ²		t=6	130kg/m ²	t=8	175kg/m ²	
39 개/m ²									
t=6	130kg/m ²								
t=8	175kg/m ²								
I ² -Type		<table><tr><td colspan="2">50 개/m²</td></tr><tr><td>t=6</td><td>130kg/m²</td></tr><tr><td>t=8</td><td>175kg/m²</td></tr></table>	50 개/m ²		t=6	130kg/m ²	t=8	175kg/m ²	
50 개/m ²									
t=6	130kg/m ²								
t=8	175kg/m ²								

□ PE 이중벽관



○ 1종관 : PS-3.5kg/cm²

구분	내경	외경	두께	본당길이
φ 150	150±4.5	174	12	4m~6m
φ 200	200±5.1	228	14	4m~6m
φ 250	250±5.1	280	15	4m~6m
φ 300	300±5.1	338	19	4m~6m
φ 400	400±5.1	450	25	4m~6m
φ 450	450±5.1	508	29	4m~6m
φ 500	500±5.1	562	31	4m~6m
φ 600	600±6.4	678	39	4m~6m
φ 700	700±6.4	788	44	4m~6m
φ 800	800±6.4	900	50	4m~6m
φ 900	900±6.4	1,012	56	4m~6m
φ 1,000	1,000±6.4	1,124	62	4m~6m

○ 2종관 : PS-1.5kg/cm²

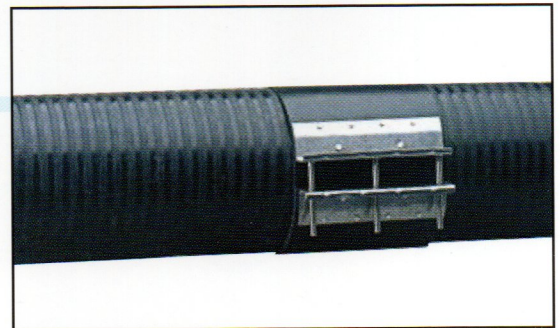
구분	내경	외경	두께	본당길이
φ 150	150±4.5	174	12	4m~6m
φ 200	200±5.1	224	12	4m~6m
φ 250	250±5.1	278	14	4m~6m
φ 300	300±5.1	328	14	4m~6m
φ 400	400±5.1	438	19	4m~6m
φ 450	450±5.1	494	22	4m~6m
φ 500	500±5.1	550	25	4m~6m
φ 600	600±6.4	662	31	4m~6m
φ 700	700±6.4	778	39	4m~6m
φ 800	800±6.4	888	44	4m~6m
φ 900	900±6.4	1,000	50	4m~6m
φ 1,000	1,000±6.4	1,112	56	4m~6m

■단위 : mm

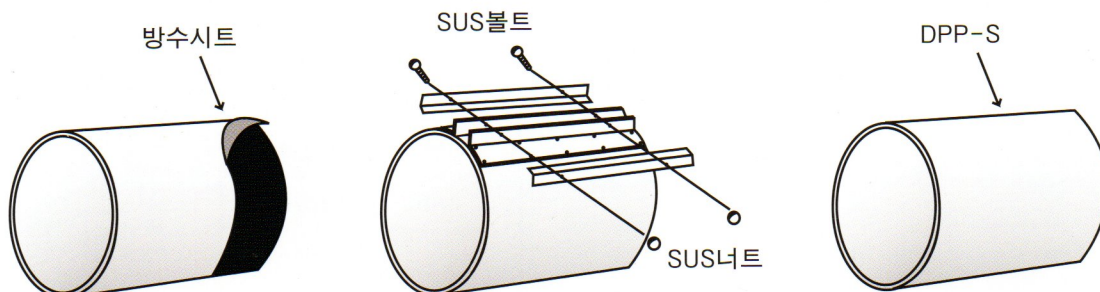
■두께 : 허용차 ±8%

■관의 본당길이는 설계에 따라 조정 가능함.

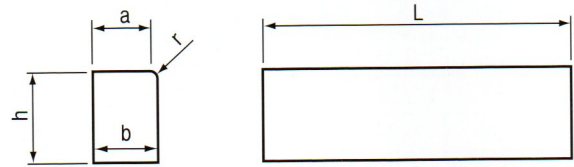
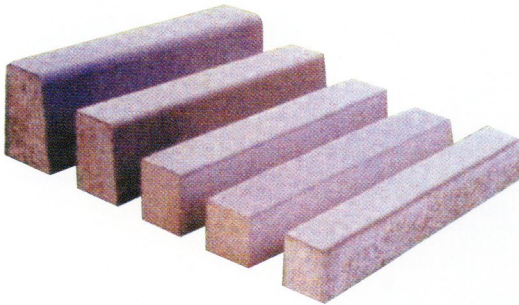
수밀소켓(PE밴드/SUS밴드) 형상



○ PE밴드/SUS밴드 구조도

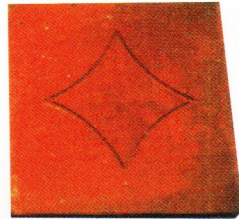
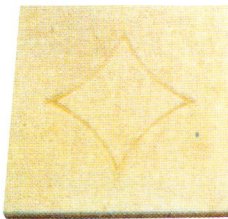


경계블럭



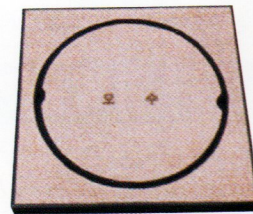
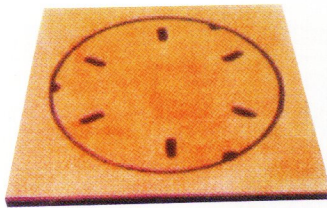
품명	규격치수 (mm)						중량 (kg)
	호칭	a	b	h	r	L	
보차도	A	150	170	200	20	1000	73
	B	180	205	250	30	1000	111
경계석	C	180	210	300	30	1000	137
도로 경계석	SA	120	120	120	10	1000	35
	SB	150	150	120	10	1000	42
	SC	150	150	150	10	1000	52

보도블럭



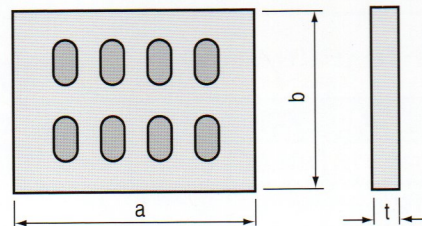
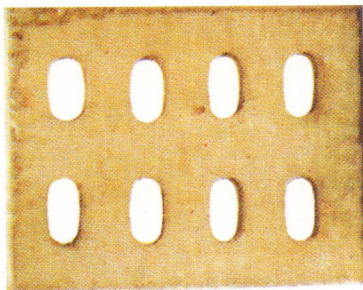
품명	단위	규격치수(mm)			매당 중량	m ² 당 소요량	파괴하중 (kgf)
		가로	세로	높이			
무색 및 유색판	매	300	300	60	13kg	11매	1200이상

칼라맨홀 뚜껑



● 규격치수 : 800 x 800 x 60 (φ648)

빗물받이 뚜껑



품명	규격치수 (mm)		
	a	b	t
1 호	540	310	100
2 호	500	400	80
3 호	620	450	80



차도측 빗물받이



차도측 빗물받이



흙통받이



흙통받이(차단식)



PE 배수로



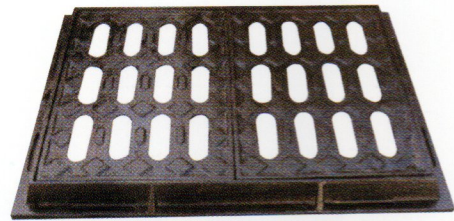
규격: KS ϕ 648 전기·통신



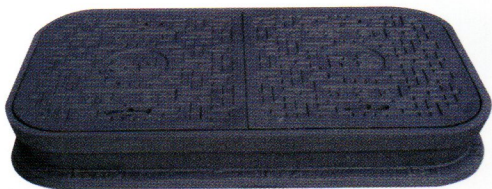
규격: KS ϕ 648 상·하수도



규격: KS ϕ 766, 918 전기·통신



규격: 200 x 500 x 30



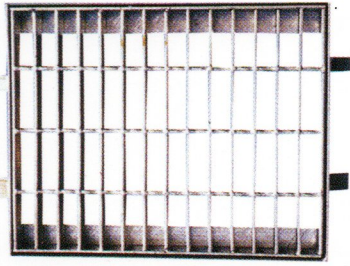
규격: KS 수공 전기·통신



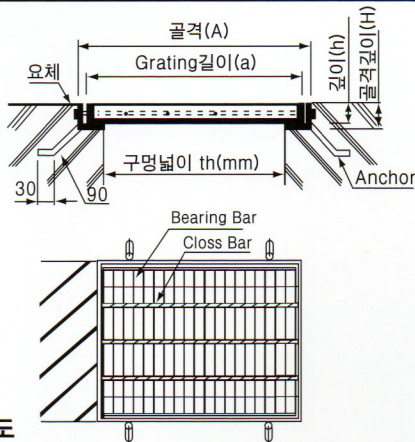
규격: KS ϕ 648 상수도

▣ 스틸그레이팅

맨홀 집수정용 COVER

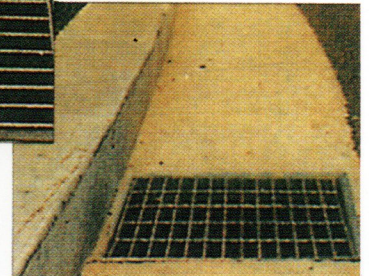
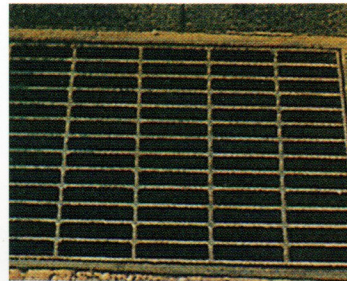
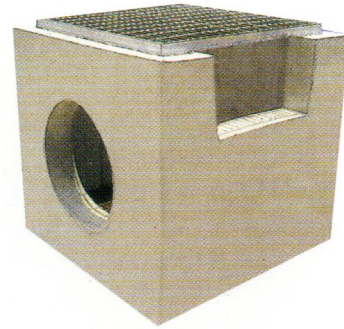


- 규격: 700x700, 800x800, 900x900, 1000x1000, 1300x1300



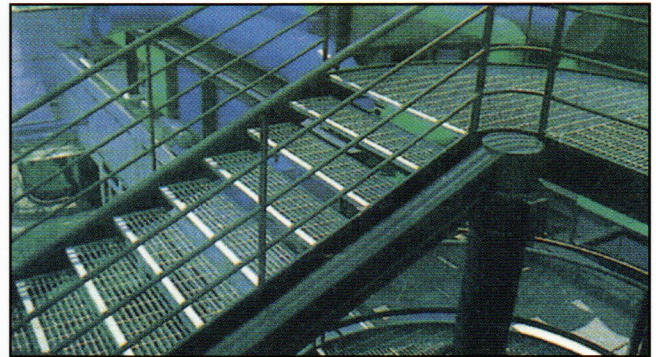
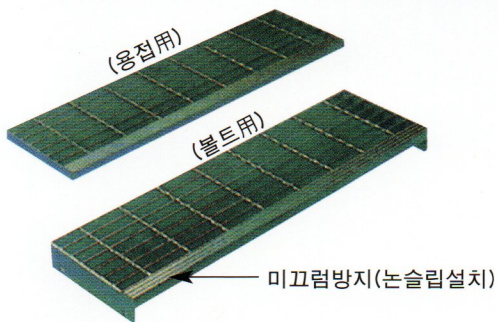
- 상세도

하수맨홀 덮개용



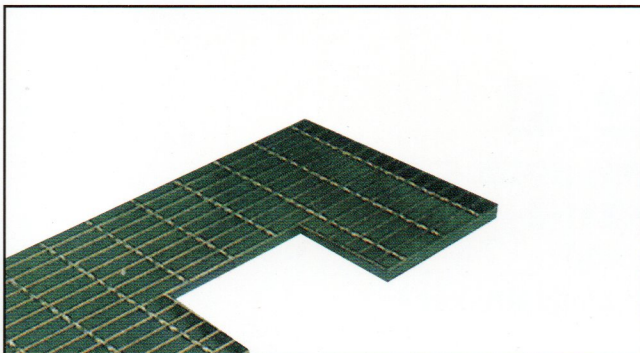
- 설치 후 모습

계단용 스틸그레이팅

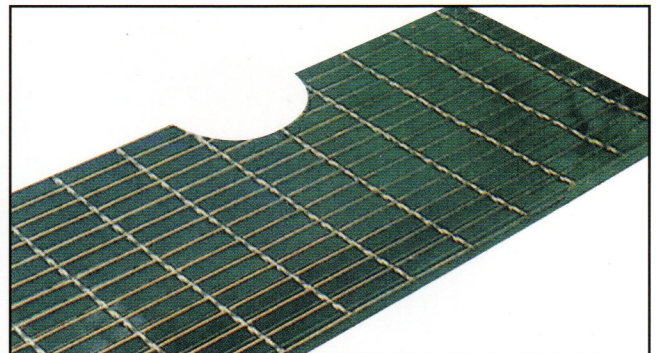


- 설치 후 모습

스페셜 TYPE(상, 하)



- 스페셜 TYPE(상)



- 스페셜 TYPE(하)



광명산업

www.kmcon.net

경기도 화성시 팔탄면 고주리 46-17

말로거는
전화

1636

걸고 필요하신 품목을 말로하세요. **광명산업**으로 연결됩니다.

- | | | | | |
|-----------|-----------|-----------|-----------|----------|
| • 광명산업 | • 콘크리트구조물 | • 가로등기초 | • 콘크리트맨홀 | • 맨홀뚜껑 |
| • 그레이팅 | • 양카볼트 | • 하수도맨홀 | • 이동화장실 | • 측구수로관 |
| • 외등기초 | • 이중벽관 | • 정화조맨홀 | • 화성맨홀 | • 화성맨홀뚜껑 |
| • 화성가로등기초 | • 화성양카볼트 | • 화성전기맨홀 | • 화성통신맨홀 | • 화성그레이팅 |
| • 평택맨홀뚜껑 | • 평택맨홀 | • 평택가로등기초 | • 김포맨홀 | • 김포맨홀뚜껑 |
| • 김포가로등기초 | • 용인맨홀 | • 용인맨홀뚜껑 | • 용인가로등기초 | • 세종맨홀 |
| • 세종맨홀뚜껑 | • 세종가로등기초 | | | |

TEL 031.355.9651~3 FAX 031.355.9650