



P O S C O C A T A L O G U E

용융아연도금

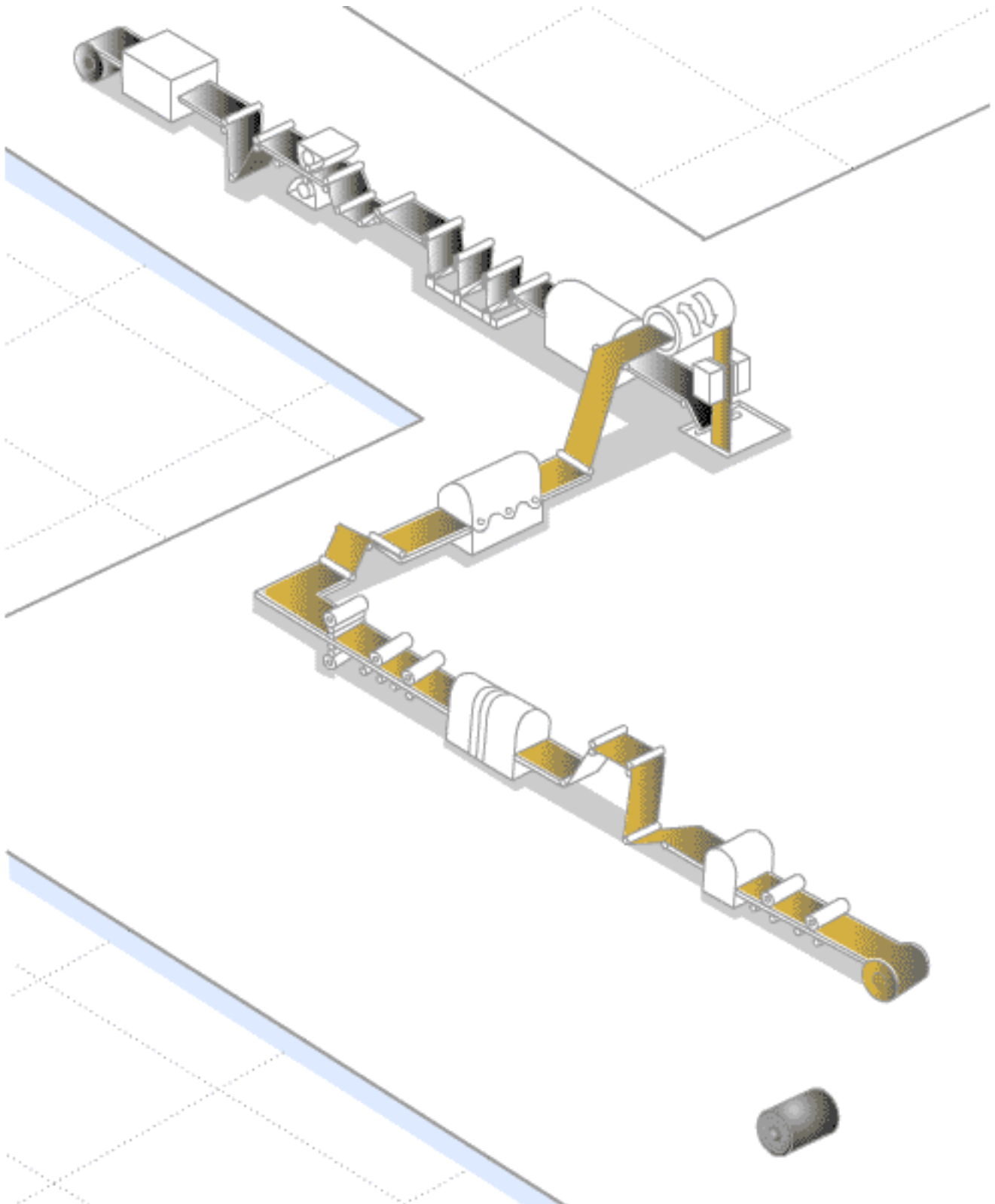
2001
POSCO

제조과정



가

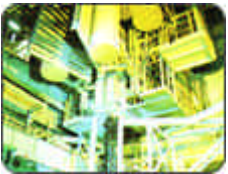
용융아연도금 제조과정 >> 포항제철의 용융아연도금강판은 내식성이 뛰어날 뿐만 아니라 성형성, 용접성, 도장성등이 매우 우수합니다.



제조설비



Zinc pot , Air Knife



가 , Fe - Zn



Flat Skin Pass Mill

제품특성

1.

			가 가
		Fe	가

용도소개

1.



?? 가
?? 가
??
??
??
??

??
?? 가

2.



제품규격

1.

2.

\	POSCO	KS D3506	JIS G3302	ASTM		EN10142
				89	95	
	CGCC	SGCC	SGCC	A526	A 653-CQ	DX51D
가	CGCF	SGCD 1	SGCD1	A527	A 653-LFQ	-
가	CGCD	SGCD 2	SGCD 2	A528	A 653-DQ	DX52D
가	CGCP	SGCD 3	SGCD 3	-	-	DX53D
가	CGCN	SGCD 3N	SGCD 3N	A642	A 653-DQSK	DX54D
가	CGCE	-	-	-	-	-
나	CGL35	SGC35	SGC 340	A446 Gr A	A 653-SQ230	S220 GD
	-	-	-	Gr B	A 653-SQ255	S250 GD
	CGC41	SGC 41	SGC 400	Gr C	A 653-SQ275	S280 GD
	CGC45	SGC 45	SGC 440	Gr D	A 653-SQ340	S320 GD
	CGC50	SGC 50	SGC 490	Gr F	-	S350 GD
	CGC58	SGC 58	SGC 570	Gr E	A 653-SQ550	S550 GD
	CGCHS 35	-	-	-	-	-
	CGCHS 40					
	CGCHS 45					
	CGCHS 50					
	CGCHS 60					

*1)En

En10147

*2)A446 GradeA

32kg/mm²

\	POSCO	KS D 3506	JIS G 3302
	CGHC	SGHC	SGHC
	CGH41	SGH41	SGH400
	CGH45	SGH45	SGH440
	CGH50	SGH50	SGH490
	CGH55	SGH55	SGH540

*1)En

En10147

2.



	mm	min. Kg/mm ²	min. Kg/mm ²	, min. %					
				, mm					
				0.25 0.40	0.40 0.60	0.60 1.0	1.0 1.6	1.6 2.3	
CGCC	0.2 2.3	-	-	-	-	-	-	-	5
CGCF		-	28	-	34	36	37	38	
CGCD		-	28	-	36	38	39	40	
CGCP		-	28	-	38	40	41	42	
CGCN		-	28	-	38	40	41	42	
CGCE		-	28	-	40	42	43	44	
CGC35		25	35	20	20	20	20	20	
CGC41		30	41	18	18	18	18	18	
CGC45		34	45	18	18	18	18	18	
CGC50		37	50	16	16	16	16	16	
CGC58		57	58	-	-	-	-	-	
CGCHS35		20	35	28	30	32	34	36	
CGCHS40		23	40	25	27	29	31	33	
CGCHS45		32	45	23	25	27	28	29	
CGCHS50		34	50	21	22	23	24	25	
CGCHS60		40	60	16	17	18	18	18	

: 1. CGCN CGCE

6

.



	mm	min.Kg/mm ² (N/mm ²)	min.Kg/mm ² (N/mm ²)	min.%	
CGCH	1.4 4.5	-	-	-	5
CGC 35		25(245)	35(340)	20	
CGC 41		30(295)	41(400)	18	
CGC 45		34(335)	45(440)	18	
CGC 50		37(365)	50(490)	16	
CGC 55		41(400)	55(540)	16	

3.



()

	3	1	()	
			KS D3506	JIS G3302
060	60	51	Z06, F06	Z06, F06
080	80	68	Z08, F08	Z08, F08
090	90	77	-	-
100	100	85	Z10, F10	Z10, F10
120	120	102	Z12, F12	Z12, F12
150	150	128	-	-
180	180	153	Z18, F18	Z18, F18
200	200	170	Z20	Z20
220	220	187	Z22	Z22
250	250	213	Z25	Z25
275	275	234	Z27	Z27
300	300	255	-	-
350	350	298	Z35	Z35
450	450	383	Z45	Z45
500	500	426	-	-
600	600	510	Z60	Z60

- : 1. 'K' 'S' .
- , 200
2. 가 (CGCF,CGCD,CGCP,CGCN,CGCE) K350 S100 .
3. 3 3 .
4. 1 3 .
5. .

▶ ()

			J
			G

: , .

▶

	CL
	CH
	M

4.


(:mm)

/	630	630 1,000	1,000 1,250	1,250 1,600	1,600
0.25	±0.04	±0.04	±0.04	-	-
0.25 0.40	±0.05	±0.05	±0.05	±0.06	-
0.40 0.60	±0.06	±0.06	±0.06	±0.07	±0.08
0.60 0.80	±0.07	±0.07	±0.07	±0.08	±0.09
0.80 1.00	±0.08	±0.08	±0.09	±0.10	±0.11
1.00 1.25	±0.09	±0.09	±0.10	±0.11	±0.13
1.25 1.60	±0.10	±0.11	±0.12	±0.13	±0.16
1.60 2.00	±0.11	±0.12	±0.13	±0.15	±0.17
2.00 2.30	±0.13	±0.14	±0.15	±0.17	±0.19


(:mm)

/	1,000	1,000 1,250	1,250 1,600	1,600
1.60 2.30	±0.17	±0.18	±0.20	±0.22
2.30 3.20	±0.21	±0.22	±0.27	±0.30
3.20 4.50	±0.30	±0.32	±0.35	-


(:mm)

()	K060	K080	K100	K120	K180	K200	K220	K250	K275	K350	K450	K600
	0.013	0.017	0.021	0.026	0.034	0.040	0.043	0.049	0.054	0.064	0.080	0.102

()	SO40	SO60	SO80	S100	S120
	0.008	0.013	0.017	0.021	0.021

5.

(:mm)

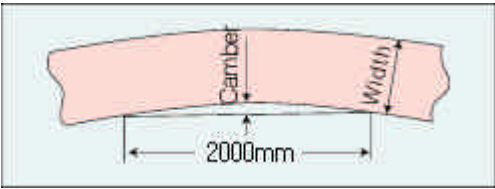
	가		
1,500	+25	+10	+7
	0	0	0
1,500			+10
			0

: 가 .

6.

(:mm)

+10	+10
0	0



8.



(:mm)

\			
1,000	12	8	8
1,000 1,250	15	9	9
1,250 1,600	15	11	11
1,600	20	13	13



(:mm)

\			
1,000	16	16	16
1,000 1,600	18	18	18
1,600	20	20	20

: ,

9. KS (KS D 3506)

(:mm)

	mm	min. N/mm ²	min. N/mm ²	, min.%						
				, mm						
				0.25	0.40 0.06	0.06 1.0	1.0 1.6	1.6 2.3	1.6	
SGCC	0.25 3.2	205	270	-	-	-	-	-	-	5
SGCD 1	0.40 2.3	-	270	-	34	36	37	38	-	
SGCD 2		-	270	-	36	38	39	40	-	
SGCD 3	0.60 2.3	-	270	-	(38)	40	41	42	-	
SGC 35	0.25 2.3	245	340	20	20	20	20	20	20	
SGC 41		295	400	18	18	18	18	18	18	
SGC 45		335	440	18	18	18	18	18	18	
SGC 50		365	490	16	16	16	16	16	16	
SGC 58	0.25 2.0	560	570	-	-	-	-	-	-	

: ()

가 .

(:mm)

	mm	min. N/mm ²	min. N/mm ²	min.%	
SGHC	1.6 4.5	205	270	-	5
SGH 35		245	340	20	
SGH 41		295	400	18	
SGH 45		335	440	18	
SGH 50		365	490	16	
SGH 55		400	540	-	

: SGHC

206N/mm², 275N/mm²

10.

(:mm)

/	630	630 1,000	1,000 1,250	1,250 1,600	1,600
0.25	±0.04	±0.04	±0.04	-	-
0.25 0.40	±0.05	±0.05	±0.05	±0.06	-
0.40 0.60	±0.06	±0.06	±0.06	±0.07	-
0.60 0.80	±0.07	±0.07	±0.07	±0.07	±0.08
0.80 1.00		±0.08	±0.08	±0.09	±0.09
					±0.10

1.00	1.25	±0.09	±0.09	±0.10	±0.10	±0.12
1.25	1.60	±0.10	±0.11	±0.11	±0.12	±0.14
1.60	2.00	±0.11	±0.12	±0.13	±0.14	±0.16
2.00	2.50	±0.13	±0.14	±0.15	±0.16	±0.18
2.50	3.15	±0.15	±0.16	±0.17	±0.18	±0.21
3.15		±0.17	±0.18	±0.20	±0.21	-



	1200	1200 1500	1500 1800	1800 2300
1.60 2.00	±0.17	±0.18	±0.19	±0.22
2.00 2.50	±0.18	±0.20	±0.22	±0.26
2.50 3.15	±0.20	±0.22	±0.25	±0.27
3.15 4.00	±0.22	±0.24	±0.27	±0.28
4.00 5.00	±0.25	±0.27	-	-
5.00 6.00	±0.27	±0.29	-	-
6.00	±0.30	±0.31	-	-

	1600	1600 2000
1.60 2.00	±0.20	±0.24
2.00 2.50	±0.21	±0.26
2.50 3.15	±0.23	±0.30
3.15 4.00	±0.25	±0.35
4.00 5.00	±0.46	-
5.00 6.00	±0.51	-

11.

(:mm)

	A	B	
1,500	+ 25	+ 10	+ 7 0
1,500	0	0	+ 10 0

12.

(:mm)

+ 15 0	+ 15 0

1.



,



가



가

가

가

가

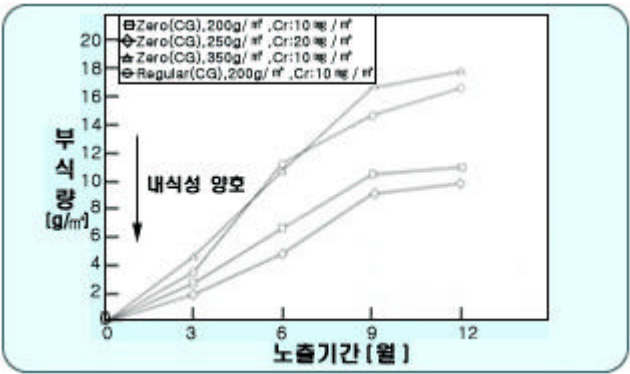
25 40%

5 10



가 (500~550)

10%



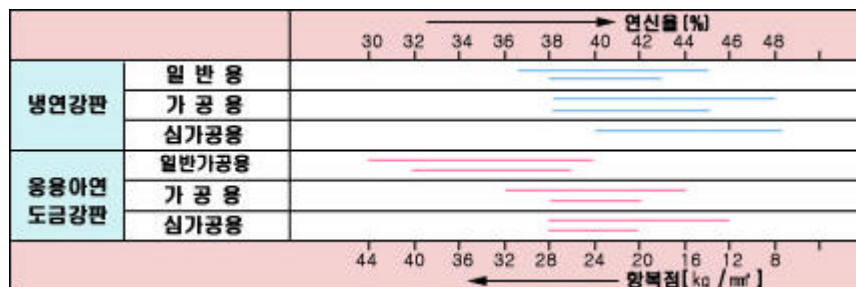
	()	()
		가
	(120g/m³)	(120g/m³)
	CH 72Hr 無	가 (XX>CL>CH)

2. 가

Horizontal furnace

Vertical furnace

가 가



3.

가



test

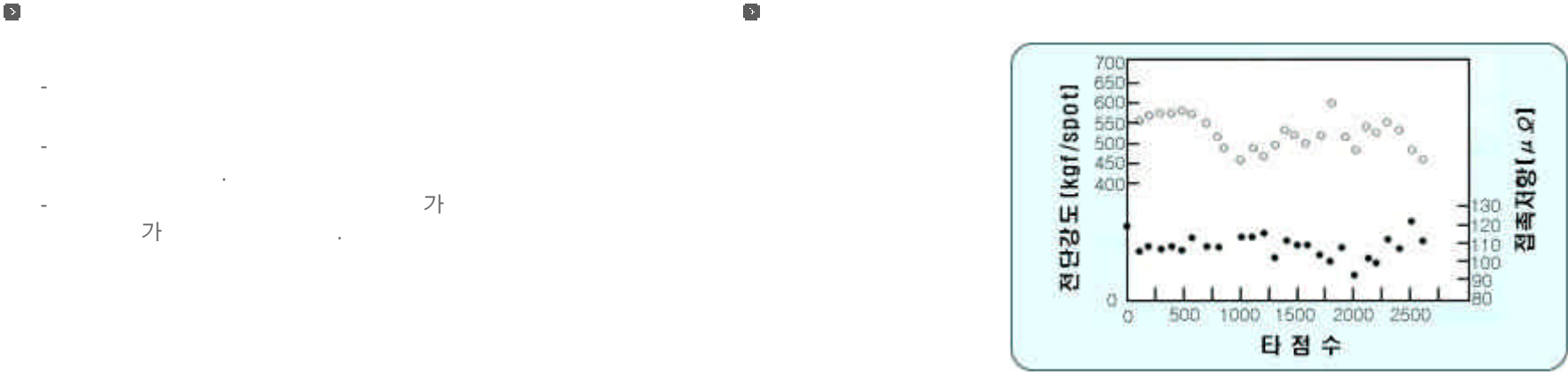
Cross-cutting Erichsen test		
DURGRIP(Galvanized)	DURGRIP(Galvanized)	Cold-rolled steel sheet
DURGRIP(Galvanized)	DURGRIP(Galvanized)	Cold-rolled steel sheet



test



4.



: 0.8mm
: 0.5mm^φ()
10

spot
5000 가 5000 가

SPOT				SEAM			
▶	10	30%	.	▶			
▶		10%	.	▶	가	가	.
▶	가		.	▶		가	가
▶		Cr-Cu	.	▶			.
▶			.	▶			.

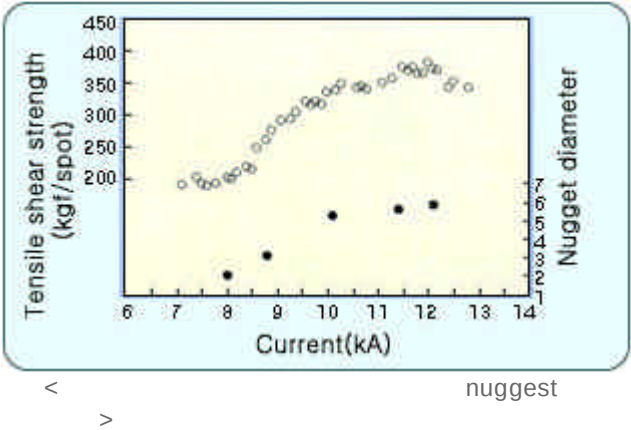


7004 E 4303 (), E 4313(), E 4316()가 가 가 . KSD



(15 20%) (3.3 5%)

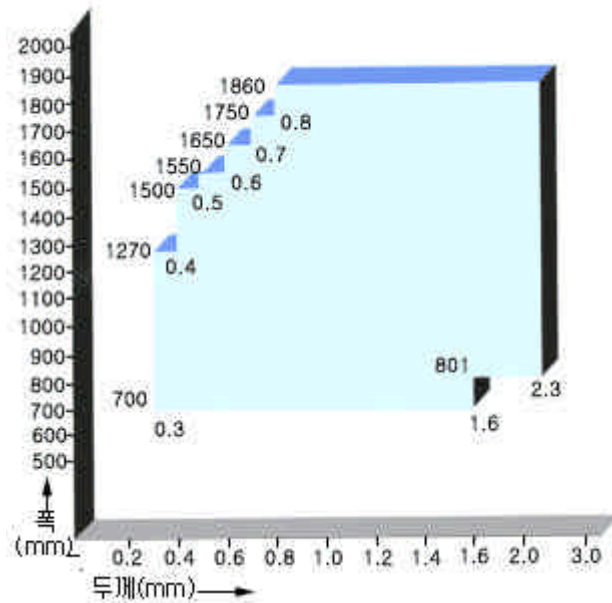
5.



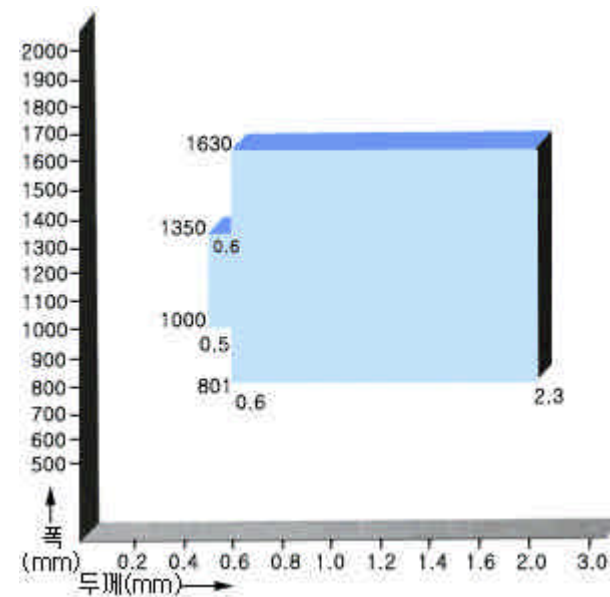
제조가능사이즈

“본 제조가능 사이즈는 변경될 수 있으므로 주문시 반드시 제조가능 사이즈 조회로 확인하시거나 담당자와 협의바랍니다.”

➤ (SJ)

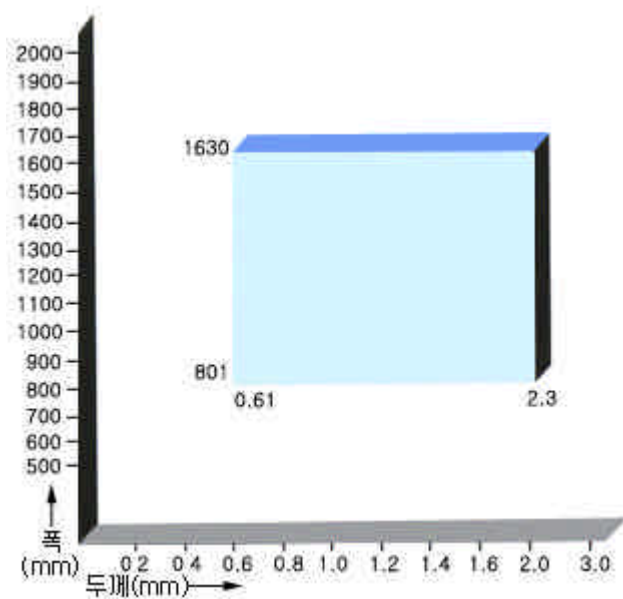


➤ (CQ,DQ)

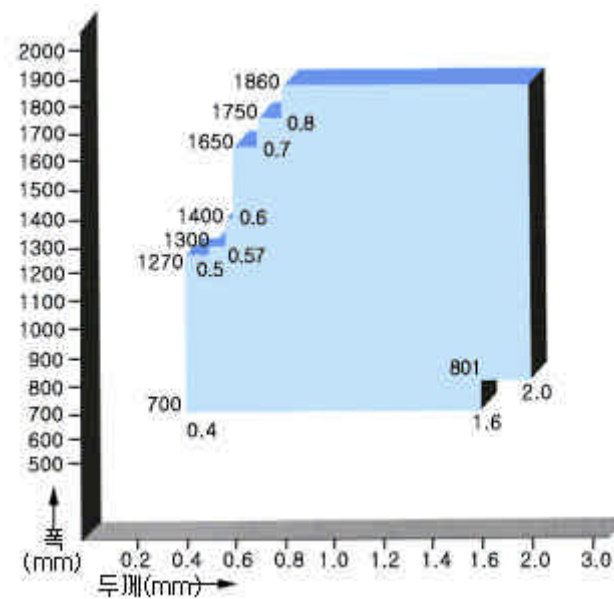


➤ (DDQ,EDDQ)

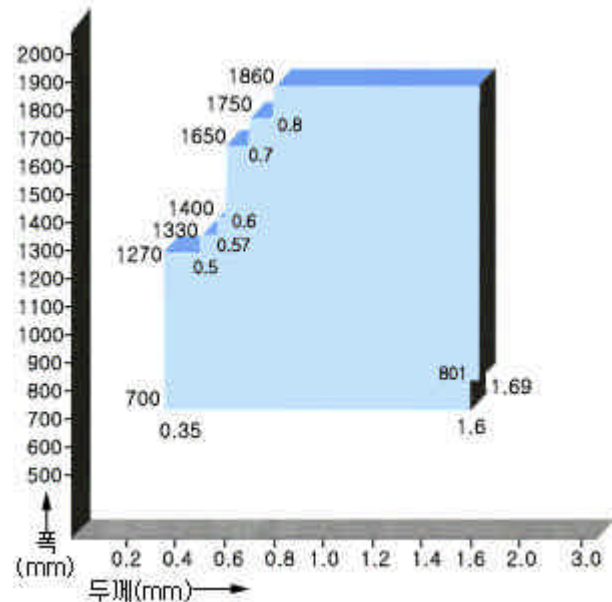
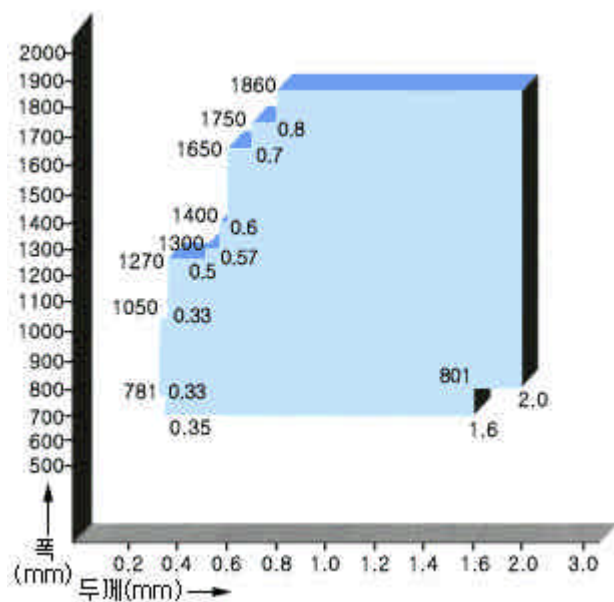
➤ (TS 35,40,50kg)



▶ (TS41 - 49kg)

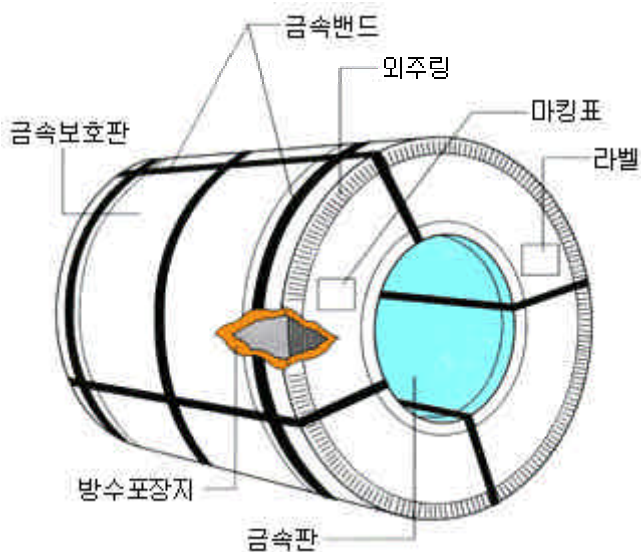


▶ (58kg)

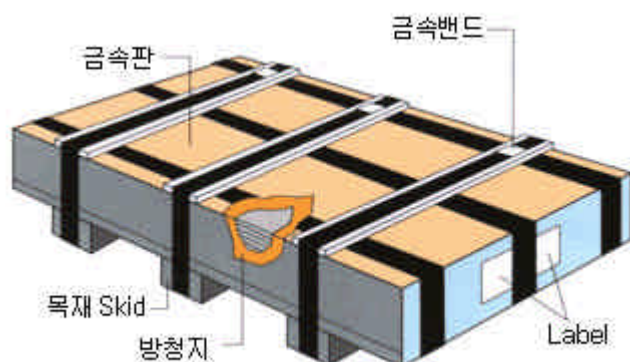


제품포장 및 마킹

1.



2.



3.

GALVANIZED STEEL COIL		GI
POHANG STEEL IND.CO.,LTD.		
CUSTOMER	A446-D	POST.T. XX
SPEC.	0. 41X1046XC	LENG. 2419
SIZE	8120 KG	LBS. GR.WT. 8185 KG SURF.C. SJ
NET.WT.	DX3127B	SKIN.P. S COAT.WT. G60
PROD.NO.	SGL3BZ56F 0100	GRADE 1 DATE
CONT.NO.		
 포항중합제철주식회사 경양제철소		

A446-D
0. 41X1046XC
POHANG STEEL IND. CO. , LTD.
POHANG (DANCHI)
DX3127B
NET. WT. 08120 KG