



1980 70 UHP 가 slitting  
 , 82 H  
 charge)

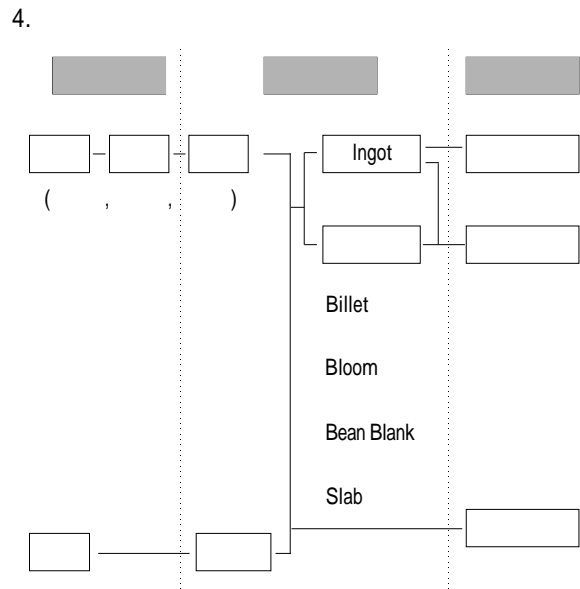
1973 40 1980  
 , 1990 100  
 1990  
 . 1993 가 , CO  
 가 EBT post-combustion

, 1973 1985  
 , 1985 1995 가 , 1995  
 3.

가 ,  
 , DC 가  
 . 92 가  
 DC 가 2/3 . DC  
 AC  
 가 가 . EBT LF

Sampling 가

가 Shaft , Consteel , Twinfurnace  
 CO  
 post-combustion



5.  
 , Cu, Sn  
 가 가

(DRI, HBI),

가

가

가

		+ +
	-P,S 0.015%	
	(Cu, Sn, Cr)	P,S 가 ( )
	400,490N/mm2,	
	A,B	400, 490, 570N/mm2, A,B,C
	(H	
		( )

6.

KS D 3504	SD30A,B,SD35,SD40	SD50		
JIS G 3112	SD295A,B,SD345,SD390	SD490		
ASTM A615	G40,G60	A706		G75
BS4449	G250,G460			G460
DIN488/1	BS1420S			BS1500S
KS D 3503	SS400,SS490,SS540			
JIS G 3101	SS400,SS490,SS540			
ASTM 36	A36			
A572	G42,G50,G60,G65,A529	G60,G65		
A529		A529		
KS D 3515	SM400A,B,SM490A,B			SM400C,SM490C,
	SM490YA,YB			SM520B,SM570
JIS G 3106	SM400A,B,SM490A,B			SM400C,SM490C,
	SM490YA,YB	SN400A		SM520B,SM570
		Gr4,5 Gr3 Gr1,2		SN400B,C,SN490B,C
ASTM A 242		A992		
ASTM A 992		43B,C,50A,C,55C		43D,DD,50D,DD
BS4360	43A,50B	St44-2,St50-2		St44-3,St52-3,
DIN17100		S235JRG2,S275JR,JO		St60-2,St70-2
EN242		S355JR,JO		
		SY40,SY40A		
KS F 4604	SY30,SY30A	SY390		
JIS A 5528	SY295			
KS D 3529				SMA41A,B,C,SMA50A,B,C
JIS G 3114				SMA41A,B,C,SMA50A,B,CWR50
BS 4360/8				A,B,C
KR	RA32,RA36			RD32,RD36,RE32,RE36
NK	RA32,RA36			RD32,RD36,RE32,RE36
AB	AH32,AH36			DH32,DH36,EH32,EH36

KSEA

- 2001. 11. 27( )

- 2002 1. 24( )~25( )

- 2002 2. 20( )

- 2002 2. 21( )~22( )

- 2002 3. 4( )~8( )

Rehabilitation

2002 2

2002 3

- 2002 2. 25( )~26( ) 2

- 2002 3. 6( )RIST

( )

- 2002 2. 26( )

" 27