

SECTION B - SALES TO AUSTRALIA (EXPORT PRICE)

This section requests information concerning your export practices and prices to Australia. You should include costs incurred beyond ex-factory. Export prices are usually assessed at FOB point, but Customs and Border Protection may also compare prices at the ex factory level.

You should report prices of all goods shipped to Australia during the investigation period.

The invoice date will normally be taken to be the date of sale. If you consider:

- the sale date is not the invoice date (see 'date of sale' column in question B4 below) and;
- an alternative date should be used when comparing export and domestic prices.

You must provide information in section D on domestic selling prices for a matching period - even if doing so means that such domestic sales data predates the commencement of the investigation period.

B-1 For each customer in Australia to whom you shipped goods in the investigation period list:

- name;
- address;
- contact name and phone/fax number where known; and
- trade level (for example: distributor, wholesaler, retailer, end user, original equipment).

ANSWER: *POSCO has provided the requested information concerning each customer to whom POSCO made export sales of subject merchandise to Australia in Appendix B-1.*

B-2 For each customer identified in B1 please provide the following information.

- Describe how the goods are sent to each customer in Australia, including a diagram if required.
- Identify each party in the distribution chain and describe the functions performed by them. Where commissions are paid indicate whether it is a pre or post exportation expense having regard to the date of sale.
- Explain who retains ownership of the goods at each stage of the distribution chain. In the case of DDP sales, explain who retains ownership when the goods enter Australia.
- Describe any agency or distributor agreements or other contracts entered into in relation to the Australian market (supply copy of the agreement if possible).

- Explain in detail the process by which you negotiate price, receive orders, deliver, invoice and receive payment. If export prices are based on price lists supply copies of those lists.
- State whether your firm is related to any of its Australian customers. Give details of any financial or other arrangements (eg free goods, rebates, or promotional subsidies) with the customers in Australia (including parties representing either your firm or the customers).
- Details of the forward orders of the goods (include quantities, values and scheduled shipping dates).

ANSWER: For export sales of the goods under consideration to Australia, POSCO has " " channels of distribution.

1) Channel 1

: POSCO made its export sales of the goods under consideration through its related trading company in Australia, [] (hereinafter " ") to the final end-user during the investigation period.



All sales by POSCO to [Company A] are made on a [] basis while sales by [Company A] to the unrelated Australian customers are made on [] or [] basis.

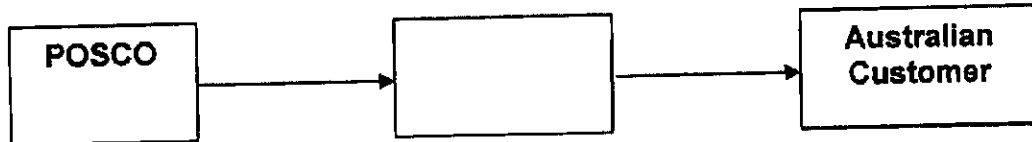
[Company A] is responsible for []

.]

2) Channel 2

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POSCO carries out its export sales of the goods under consideration to Australia through domestic trading companies (such as " " and " ") during the investigation period.



All sales made by POSCO to the [] are made on a [] basis. The negotiation process starts with unrelated [Company B] contacting POSCO to negotiate sales terms (i.e., price, quantity, specification, delivery terms and payment schedule). Further to the negotiation, the parties agree on the terms for export sales. Once this process is concluded, POSCO generates an order sheet to initiate the production of the goods. POSCO carries out the production of the goods, which are shipped to the destination by indicated by the customer. POSCO issues the tax invoice approximately on the date of shipment to the unrelated [Company B].

B-3 Do your export selling prices vary according to the distribution channel identified? If so, provide details. Real differences in trade levels are characterised by consistent and distinct differences in functions and prices.

ANSWER: The export selling prices do not vary []. Rather, the selling prices are determined through [] depending upon the market situation (e.g. supply and demand).

B-4 Prepare a spreadsheet named "Australlian sales" listing all shipments (i.e. transaction by transaction) to Australia of the goods in the investigation period. You must provide this list in electronic format. Include the following export related information:

ANSWER: POSCO submits the requested information concerning Australian sales with computerized file separately. The printouts of this export sales file are provided in Appendix B-2. POSCO also submits the requested information concerning [Company A]'s Australian sales with computerized file. The printouts of this export sales file are also provided in Appendix B-3.

- B-5** If there are any other costs, charges or expenses incurred in respect of the exports listed above which have not been identified in the table above, add a column (see "other factors" in question B-4) for each item, and provide a description of each item. For example, other selling expenses (direct or indirect) incurred in relation to the export sales to Australia.

ANSWER: In accordance with the instruction of this questionnaire, POSCO has reported "credit expense" for export sales to Australia in the field "Other factors" in question B-4.

- B-6** For each type of discount, rebate, allowance offered on export sales to Australia:
- provide a description; and
 - explain the terms and conditions that must be met by the importer to obtain the discount.

Where the amounts of these discounts, rebates etc are not identified on the sales invoice, explain how you calculated the amount shown in your response to question B4. If they vary by customer or level provide an explanation.

ANSWER: This question is not applicable because POSCO did not offer any discount, rebate or other allowances to its customers for export sales to Australia during the investigation period.

- B-7** If you have issued credit notes (directly or indirectly) to the customers in Australia, in relation to the invoices listed in the detailed transaction by

transaction listing in response to question B4, provide details of each credit note if the credited amount has not been reported as a discount or rebate.

ANSWER: *This question is not applicable because POSCO did not issue any credit notes to its customers for export sales of subject merchandise to Australia during the investigation period.*

B-8 If the delivery terms make you responsible for arrival of the goods at an agreed point within Australia (e.g. delivered duty paid), insert additional columns in the spreadsheet for all other costs incurred.

For example:

Import duties	Amount of import duty paid in Australia
Inland transport	Amount of inland transportation expenses within Australia included in the selling price
Other costs	Customs brokers, port and other costs incurred (itemise)

ANSWER: *This question is not applicable because the delivery terms for export sales to Australia between POSCO and its customers are all [].*

B-9 Select two shipments, in different quarters of the investigation period, and provide a complete set of all of the documentation related to the export sale. For example:

- the importer's purchase order, order confirmation, and contract of sale;
- any technical material in respect of the goods;
- commercial invoice;
- bill of lading, export permit;
- freight invoices in relation to movement of the goods from factory to Australia, including inland freight contract;
- marine insurance expenses; and
- letter of credit, and bank documentation, proving payment.

Customs and Border Protection will select additional shipments for payment verification at the time of the visit.

ANSWER: *POSCO provides its sample documentation for two export sales to Australia during the investigation period in Appendix B-4.*

List of Appendix B (Hot-rolled Steel)

No	Description
B-1	Customer Information for Export Sales to Australia
B-2	Printouts of Computer File Named "Australian Sales" (POSCO)
B-3	Printouts of Computer File Named "Australian Sales" (Company A)
B-4	Sample Documentation for Two Export Sales to Australia

Appendix B-1

Customer Information for Export Sales to Australia

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POSCO's Customer Information for Export Sales to Australia

Customer Name	Address	Contact Name	Phone Number	Fax Number	Trade Level
[Company A]					Trading Company
[Company B]					Trading Company
[Company C]					Trading Company

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[Company A]'s Customer Information in Australia

Customer Name	Address	Contact Name	Phone Number	Fax Number	Trade Level
[Company X]					End-user
[Company Y]					End-user

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Appendix B-2

Printouts of Computer File Named "Australian Sales" (POSCO)

Appendix B-3

Printouts of Computer File Named "Australian Sales" (Company A)

Appendix B-4

Sample Documentation for Two Export Sales to Australia

SECTION C - EXPORTED GOODS & LIKE GOODS

C-1 Fully describe all of the goods you have exported to Australia during the investigation period. Include specification details and any technical and illustrative material that may be helpful in identifying, or classifying, the exported goods.

ANSWER: *POSCO exported hot-rolled steel as well as pickled and oiled steel (called as "P/O") to Australia during the investigation period.*

POSCO uses the ERP accounting system which defines products using an " " consisting of []. A key to these codes is provided in Appendix C-1. The [] codes have a corresponding [] product group code. A list of these product group codes are also provided in Appendix C-1. The [] codes are used by POSCO in the ordinary course of business and are recorded on [], in the []. The same product coding system is used for both the Korean market and the export markets including Australia.

Concerning the details of the goods under consideration including product specification, please refer to POSCO's product brochure provided in Appendix C-2.

C-2 List each type of goods exported to Australia (these types should cover all types listed in spreadsheet "Australian sales" – see section B of this questionnaire).

ANSWER: *A list showing each type of goods export to Australia during the investigation period is provided in Appendix C-3.*

Please note that POSCO creates individual product model for each unique type and possible combination of product characteristics for all the goods under consideration exported to Australia as well as for those sold domestically by using the following criteria;

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like goods – see explanation in glossary) are not identical to goods exported to Australia.

EXPORTED TYPE	DOMESTIC TYPE	IDENTICAL?	DIFFERENCES
Product code of each model of the goods exported to Australia	Product code of comparable model sold on the domestic market of the country of export	If goods are identical indicate "YES". Otherwise "NO"	Where the good exported to Australia is not identical to the like goods, describe the specification differences. If it is impractical to detail specification differences in this table refer to documents which outline differences

Prepare this information on a spreadsheet named "Like goods".

ANSWER: POSCO submits the requested information concerning exported goods and like goods with computerized file named "Like goods" separately. The printout of this file is provided in Appendix C-4.

C-4 Please provide any technical and illustrative material that may be helpful in identifying or classifying the goods that your company sells on the domestic market.

ANSWER: Concerning any technical and illustrative material in identifying or classifying the goods, please refer to the product brochure provided in Appendix C-2.

5) Width Range

: The category of thickness code described below is in accordance with POSCO's internal "actual item code" classification. Please refer to the details of "actual item code" in Appendix G-8.

[**]****6) Pickled and Oiled****A = Pickled and Oiled****B = Not Pickled and Oiled****7) Edge****M = Mill edged****S = Slit edged****8) Skin-pass****A = Skin-passed****B = Not skin-passed**

C-3 If you sell like goods on the domestic market, for each type that your company has exported to Australia during the investigation period, list the most comparable model(s) sold domestically; and provide a detailed explanation of the differences where those goods sold domestically (ie. the

: The international standard to determine material specification for hot-rolled steel is "ASTM" (American Standard), JIS (Japanese International Standard), EN (European Standard), SAE (Society of Automotive Engineers in USA), AISI (American Iron and Steel Institute). POSCO also produced hot-rolled steel according to its own standard. The details of each specification defined by International standard as well as POSCO standard are described in POSCO's product brochure in Appendix C-2.

4) Thickness Range

: The category of thickness code described below is in accordance with POSCO's internal "actual item code" classification. Please refer to the details of "actual item code" in Appendix G-8.

I

J

1) Product Type

- ' ' – Hot-rolled Coil
- ' ' – Hot-rolled Plate (or Sheet)
- ' ' – Pickled and oiled (P/O) Coil

2) Application (or Usage) Code

[

]

3) Specification

List of Appendix C (Hot-rolled Steel)

No	Description
C-1	Product Code List
C-2	Product Brochure
C-3	List Showing Each Type of Goods Exports to Australia
C-4	Printouts of Computer File Named "Like Goods"

Appendix C-1

Product Code List

POSCO's Item Structure

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(1) | for Finished Products

#1	#2	#3	#4	#5	#6	#7	#8

(2) | for Semi-finished Products

#1	#2	#3	#4	#5	#6	#7	#8

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POSCO's Product Group / Name

(1) Product Group/Name Code for Finished Products

Classification	Product Group		Name	Code
	Group	Code		
Carbon Steel				1K
				2A
				2B
				2D
				2E
				2F
				6B
				6C
				AB
				AC
				AJ
				AK
		AM		
		AN		
		BQ		
		BD		
		BE		
		BJ		
		BK		
		BP		
		CE		
		CF		
		CJ		
		CK		
		CP		
		CQ		
		DA		
		DB		
		EJ		
		EK		
		FB		
		FC		
		FE		
		FF		
		FK		
		FL		
		FN		
		FP		
		FU		
		FV		
		FX		
		FY		
		GB		
		GC		
	GJ			
	GK			
	GM			
	GN			
	GU			
	HD			
	HE			
	HF			
	HG			
	HH			
	HJ			
	HK			
	HL			
	HN			
	HS			
	HT			
	HV			
	LA			
	LB			
	LJ			
	LK			
	LM			
	LN			

Classification	Product Group		Name	Code
	Group	Code		
				MH
				MJ
				NB
				NC
				NA
				ND
				NE
				PK
				PL
				PI
				SE
				SF
				SG
				VB
				WA
				WB
				ZG
				ZH
				ZJ
				ZK
				ZL
				ZM
				ZN
				ZP
	ZQ			
	ZR			
	ZS			
	ZT			
	ZV			
	SZ			
STS Steel				SK
				SL
				SM
				QD
				QE
				QH
				QL
				QP
				RK
				RL
				RM
				RX
				RY
				RZ
				R2
				UC
	UD			
	XC			
	XD			
	YA			
Titanium				KR
				KS
				KT
				OF
	YE			
TWB				4C
				4H
				4R
				4P
				7J
				7A
				7B
				7C
				7D
				7E
				7F
				7G
				7H
				89
				81
				8A
	8B			

Classification	Product Group		Name	Code
	Group	Code		
Common				8C
				8D
				8E
				8F
				8G
				8H
				8J
				8K
				8L
				8M
				8N
				8P
				8Q
				8R
				8S
				8T
				8U
				8V
				8W
				8X
				8Y
				8Z
				9B
				9F

(2) Product Group/Name Code for Semi-finished Products

Classification	Product Group		Name	Code
	Group	Code		
				1S
				1A
				1B
				1C
				1D
				1E
				1F
				1G
				1H
				1J
				1K
				1L
				1M
				1N
				2A
				2B
				2C
				2D
				2E
				2F
				2G
				2H
				3A
				3B
				3C
				3D
	6A			
	6B			
	6C			
	AA			
	AB			
	AC			
	AH			
	AJ			
	AK			
	AL			
	AM			
	AN			
	BD			
	BE			
	BG			
	BH			
	BJ			

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Classification	Product Group		Name	Code	
	Group	Code			
Carbon Steel				BK	
				BL	
				BM	
				BN	
				BP	
				BQ	
				BA	
				BB	
				BC	
				CA	
					CB
					CC
					CD
					CE
					CF
					CG
					CH
					CJ
					CK
					CL
					CM
					CN
					CP
					CQ
					CT
					DA
					DB
					DC
					DD
					DE
					EA
					EB
					EC
					ED
					EE
					EF
					EG
					BH
					EJ
					BK
				FA	
				FB	
				FC	
				FD	
				FE	
				FF	
				FG	
				FH	
				FJ	
				FK	
				FL	
				FM	
				FN	
				FP	
				FR	
				FS	
				FT	
				FU	
				FV	
				FW	
				FX	
				FY	
				GA	
				GB	
				GC	
				GH	
				GJ	
				GK	
				GL	
				GM	
	GN				
	GU				

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Classification	Product Group		Name	Code
	Group	Code		
				GV
				HA
				HB
				HC
				HD
				HE
				HF
				HG
				HH
				HJ
				HK
				HL
				HM
				HN
				HP
				HQ
				HS
				HT
				HU
				HV
				JA
				JB
				JC
				JD
				JE
				JF
				JG
				JH
				LA
				LB
				LJ
				LK
				LM
				LN
				LP
				LQ
				LR
				MA
				MB
				MC
				MD
				ME
				MF
				MG
				MH
				MJ
				NA
				NB
				NC
				ND
				NE
				PK
				PL
				PA
				PB
				PC
				PD
				PE
				PJ
				SA
				SB
				SC
				SD
				SE
				SF
				SG
				SH
				SJ
				SK
				VA
				VB
				WA

Classification	Product Group		Name	Code			
	Group	Code					
				WB			
				ZC			
				ZD			
				ZE			
				ZF			
				ZG			
				ZH			
				ZI			
				ZK			
				ZL			
				ZM			
				ZN			
				ZP			
				ZQ			
				ZR			
				ZS			
				ZT			
				ZA			
				ZB			
				ZU			
				ZV			
							5I
							5J
							5K
							5L
							5M
							5N
							5O
							5P
							5Q
							5R
							5S
	5T						
	5U						
	5V						
	5W						
STS Steel							KA
				KB			
				QC			
				QD			
				QE			
				QF			
				QG			
				QH			
				QI			
				QJ			
				QR			
				QK			
				QL			
				QM			
				QN			
				QO			
	R2						
	R3						
	R1						
	RA						
	RB						
	RC						
	RD						
	RE						
	RF						
	RG						
	RH						
	RJ						
	RK						
	RL						
	RM						
	RN						
	RO						
	RR						
	RS						
	RT						
	RU						

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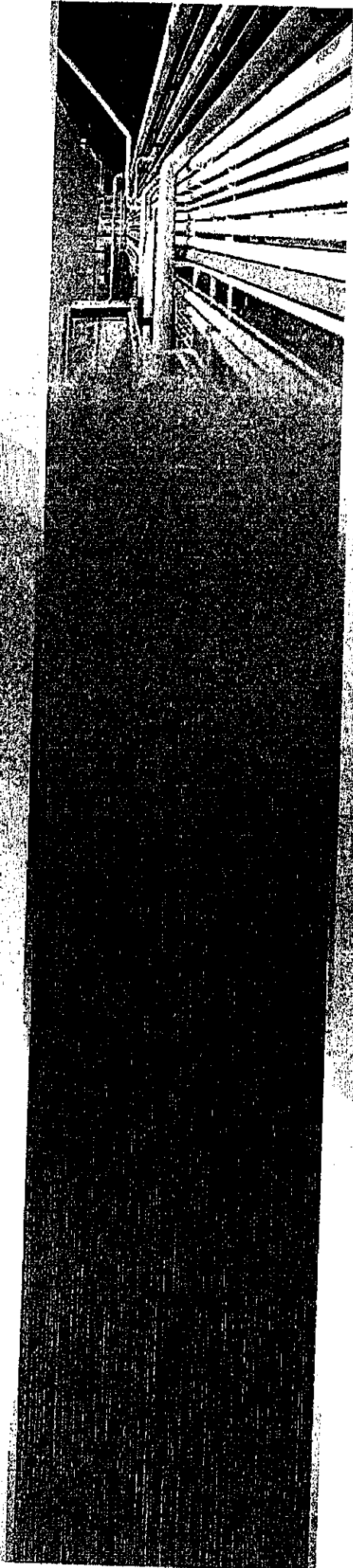
Classification	Product Group		Code
	Group	Code	
			RV
			RW
			RX
			RY
			RZ
			TA
			UA
			UC
			UD
			XA
			XB
			XC
			XD
			YA
Titanium			KC
			KD
			KE
			KF
			KG
			KH
			KP
			KR
			KS
			KT
			JP
			JQ
			JR
			OA
TWB			OC
			OF
			YB
			YC
			YD
			YE
			4H
			4F
			4Q
			4R
			4M
			4N
COMMON			4P
			8U
			8R
			9A
			9B
			9C
			9D
			9E

Appendix C-2

Product Brochure

POSCO

Hot Rolled Steel



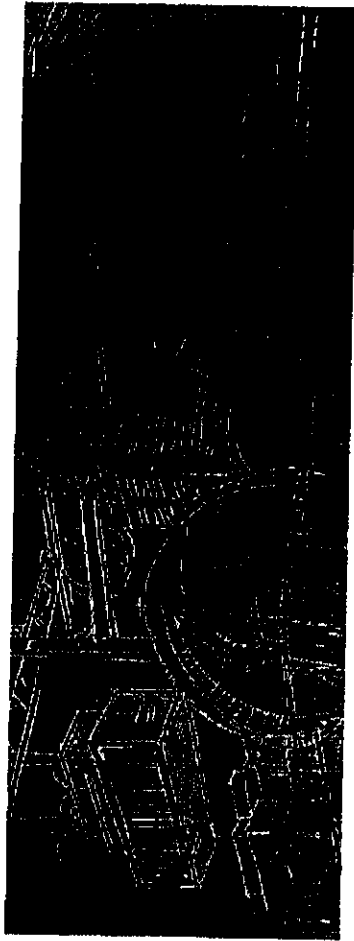
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With its excellent facilities and extensive experience, POSCO has been actively pursuing research and technology development for the production of diverse, high-quality hot rolled steel products that meet not only POSCO specifications but also KS, JIS and other international specifications. New products are continuously being developed.

POSCO hot rolled steel products are widely used in automobiles, construction materials, pipes, and electrical home appliances. The superiority has been demonstrated. POSCO exerts ongoing efforts to give consistently superior quality and service to its valued customers.

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MANUFACTURING FACILITIES

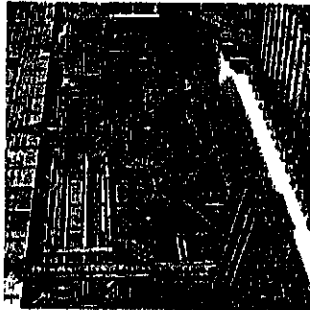
POSCO's hot rolled coil is produced by ultra-modern facilities and advanced technologies (Quality & Service) combined to meet customer requirements. To improve product quality, a comprehensive program of continuous control is in place, manufacturing processes and monitors the heat areas relating to product quality.

M A N U F A C T U R I N G F A C I L I T I E S



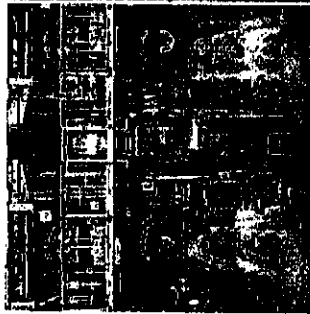
Reheating Furnace

The slabs, which are transferred from a continuous casting plant, are heated enough to a reheating furnace. First, and then, they are extracted in order to be used for the steel rolling mills. In order to remove the thick scales on the surface of a hot slab, some VSBs (Vertical Scale Breakers) are being run after being rolled.



Roughing Mill

In this process, slabs with surface scale already removed are made into rolling materials with proper shape, thickness and width. In the entry and exit areas of the roughing mill, the edge of the slab is in the width direction using the automatic width control (AWC) system.



Finishing Rolling

The purpose of a finishing rolling is to adjust the thickness and width of a coil to the specified sizes and to roll it to have a smooth surface and shape of a desired finishing temperature appropriate to its species. The up-to-date equipments, such as Work Roll Main Mill, On-Line Flat Gauge (OFLG), etc., are contributing to the enhancement of the productivity and the quality of the coils by controlling the process.



Run-Out Table

After the finishing roll, the coils proceed to the run-out table where it is then coiled. While being rolled along the table, the coil is sprayed with water to cool it to the proper temperature suitable for coiling.



Skin Pass Rolling Process

During the skin pass rolling process, various kinds of inspections, such as the surface defect and dimension measuring, etc., are conducted in order to improve the shape, mechanical behaviors and surface profiles of a product.

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PRODUCTION FACILITIES

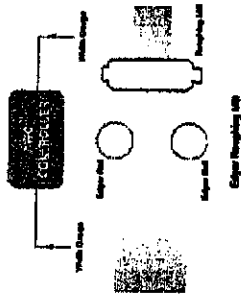
PRODUCTION FACILITIES

Facility	Classification	Peihang Works No.1 Hot Strip Mill	Guangyong Works No.1 Hot Strip Mill	Guangyong Works No.2 Hot Strip Mill	Guangyong Works No.3 Hot Strip Mill
Reheating Furnace	Capacity	200TH x 4	252TH x 3	270TH x 3	270TH x 3
Scale Breaker	TYPE	Working beam Type	Working beam Type	Working beam Type	Working beam Type
	TYPE	Horizontal	Vertical	Vertical	Vertical
Roughing Mill	TYPE	R1 2-High Reverse R2 4-High Reverse	R1 2-High Reverse R2 4-High Reverse R3 4-High Non-Reverse	R1 2-High Reverse R2 4-High Reverse R3 4-High Reverse	R1 2-High Reverse R2 4-High Reverse R3 4-High Reverse
Finishing Mill	TYPE	4-High Non-Reverse	4-High Non-Reverse	4-High Non-Reverse	4-High Non-Reverse
	Number of Stand	7	7	7	7
Down Coiler	Quantity	2	3	2	2
	Thickness	1.2~12.7mm	1.2~22mm	1.2~22mm	1.2~22mm
	Max. Weight	18MT	35MT	35MT	35MT
	Thickness	1.2~6.7mm	1.2~6.4mm	1.2~6.4mm	1.2~6.4mm
SKINPASS MILL	Width	700~1,270mm	700~1,650mm	700~1,500mm	700~1,650mm
	Max. Weight	18MT	35MT	35MT	35MT
	Inside Diameter	762mm	610,762mm	610,762mm	610,762mm

AWC

Automatic Width Control (AWC) System:

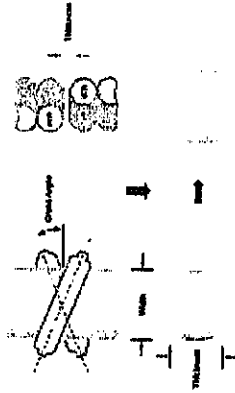
An AWC System, which is attached to the mill of a thin pass rolling mill, automatically adjusts the width of a coil by using the highly-sensitive hydraulic cylinder while maintaining the exact width of a coil.



Pair Cross Mill

Pair Cross Mill

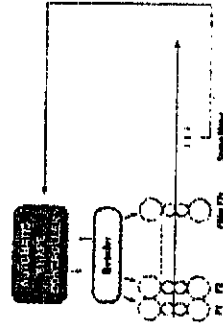
The shape and crown of a coil is adjusted by the paired upper and lower rolls crossing each other.



ASC

Automatic Shape Control (ASC) System

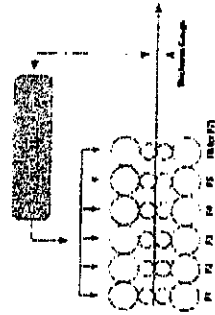
An ASC (Automatic Shape Control) System, which is attached to the end of a finishing mill, adjusts the flatness of a coil. After that, the ASC System automatically adjusts the position of the mill bonder to control a strip shape.



AGC

Automatic Gauge Control (AGC) System

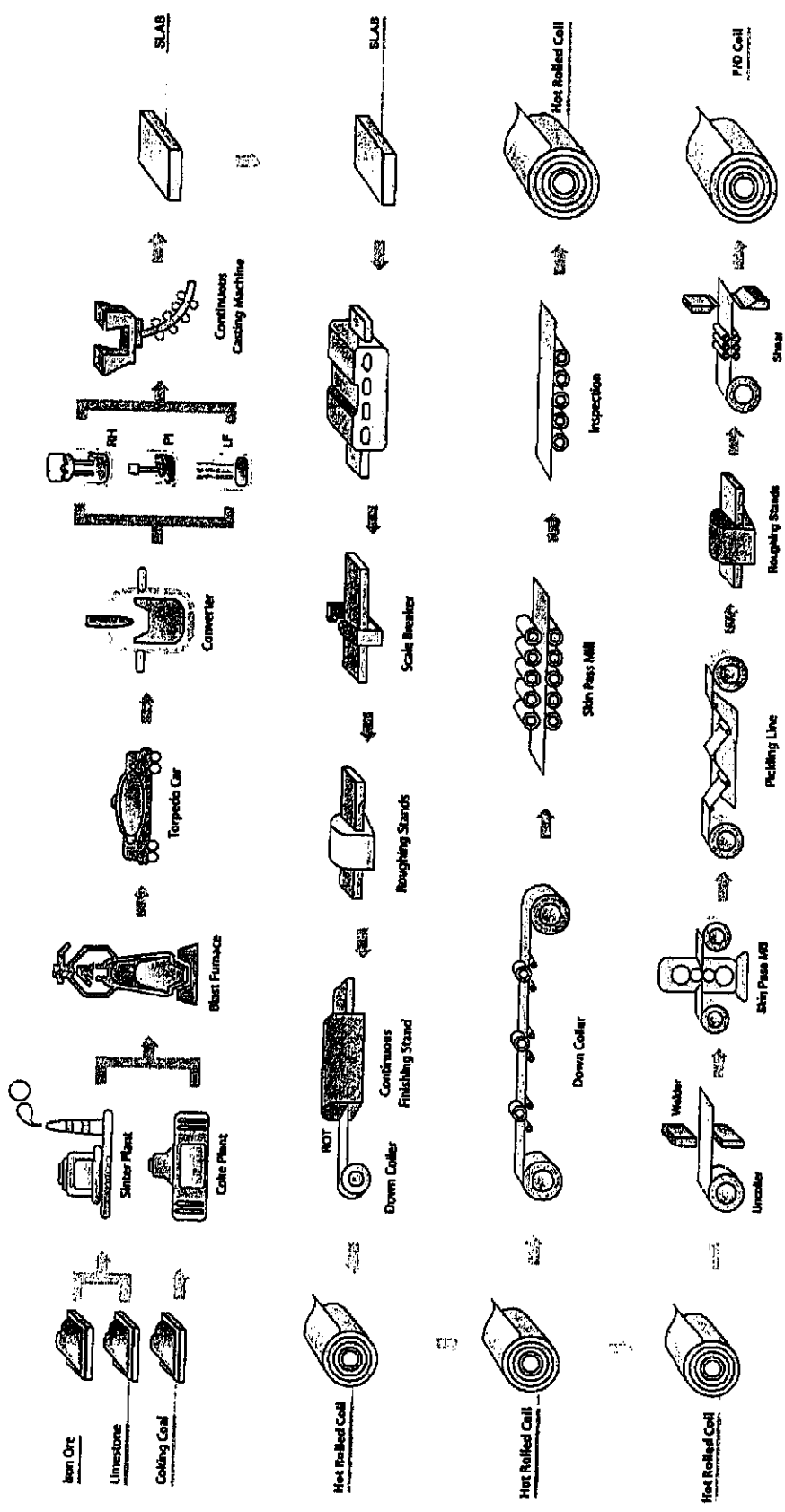
An AGC System, which is attached to the end of a finishing mill, automatically adjusts the thickness of a coil by using the highly-sensitive hydraulic cylinder while maintaining the exact thickness of a coil.



290

MANUFACTURING PROCESS

MANUFACTURING PROCESS



FILE NO
289

MAIN USES

MAIN USES

Steel for Structural Uses

Steel for general and welding structures are produced and are used for building into structures and the structures of bridges, ships and cars, etc.

- JIS S330, 40J
- SAKIDA, B, C, SAKIDA, B, C
- SS330, SS400, SS490, SS540
- SAKIDA, B, C, SAKIDA, B, C
- SAKIDA, YB, SAKIDA, C, SAKIDA
- ASTM A36, A573, A570
- BS BS1498 PART 1 5002HFL, HS, BS4360, 40B, 40A, B, C, 50B, C
- DIN DIN17100, S235, S275, S355, S460, S570, S690

Weather Resistant Steel

This type of steel with enhanced corrosion and atmospheric corrosion resistance properties through the addition of such special elements as P, Cu, and Cr is used in manufacturing constituent, special automobiles and construction structures.

- POSCO PAWSS0
- JIS SPA-H

Steel for automotive Structural Uses

The type of high strength steel which has extremely excellent formability and weldability is used in automobile frames, members and wheels.

- POSCO ATOS55, 60, 80 AUTOBEAM, STAB
- JIS SPA-H310, 370, 400, 440, SPFH460, 540, 590
- ASTM A715-60, 45, 50, 55, 60, 65, 70, 80

Carbon Steel for Pipe and Tube

This type of steel, excellent in weldability and formability, is widely used in structural pipes, general pipes, special pipes, and machine-structural carbon steel pipes.

- POSCO PACOS23, POSP230A-POSP50A
- JIS SPHT1, 2, 3, 4, STK390, 410, STK390, 400, 460, 500, 540, STK410A, 39A, 39A, 39A, 18A, 18A, 18A

Hot-Rolled Steel for Gas Cylinders

This steel, which has high strength qualities and good formability, is used in high pressure gas containers, with less than a 500 l inner capacity, used for building LPG, acetylene and other high pressure gases.

- JIS SC255, 285, 325, 355
- ASTM A465

Steel for Oil Well Pipes

This type of steel, characterized by extra high strength qualities, extremely low temperature toughness, excellent weldability and fracture resistance, is used for drilling in extremely cold areas and for deep sea oil wells.

- API 50-55, X55, N80

Steel for Pipelines

Because of its excellent high strength qualities, extremely low temperature toughness, hydrogen induced crack resistance and good weldability, this steel is used in pipelines.

- API 5L X42, X46, X52, X60, X65, X70, X80

Hot-Rolled Carbon Steel for Special Use

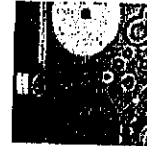
This steel type includes carbon steel for general machinery, alloy steel, and tool steel. After the heat treatment process, the steel is used in a variety of machine parts.

- JIS S10C-S55C, S82C, 3, 4, 5, 7, SUP, SCKM15, 45J, 45S, 440
- SAE SAE1010-1055
- DIN S235RA, 75CR8

Cold Rolled Steel

This cold rolled steel is used in many cold rolled products, such as CR, CR and color plates.

- SAE SAEN005-1055



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POSCO SPECIFICATIONS



POSCO
 The Process Continues...
 Please be sure to consult the product literature when making
 orders for POSCO products.

Hot Rolled Steel Sheets & Strips for Deep Drawing : These specifications apply to the hot rolled steel strips for cold-chamber die casting and are manufactured to JIS G 3142.

Specifications	Thickness (mm)	Chemical Composition (wt %)						
		C	Si	Mn	P	S	Se-AI	7Hf
POSHRD2	1.0-7.0	≤ 0.03	≤ 0.03	≤ 0.25	≤ 0.02	≤ 0.02	≤ 0.08	-
POSHRD2S	2.0-7.0	≤ 0.005	≤ 0.03	≤ 0.20	≤ 0.02	≤ 0.02	≤ 0.08	Ti 0.005-0.05 Nb 0.005-0.04
POSHRD3	2.0-7.0	≤ 0.005	≤ 0.03	≤ 0.20	≤ 0.02	≤ 0.02	≤ 0.08	Ti 0.01-0.06

Notes: 1. Extended appearance, form, dimensions, weight and tolerance comply with JIS G 3142. 2. This specification guarantees chemical composition without mechanical properties.

Acid Pickled Hot Rolled Steel Sheets & Strips : These specifications apply to the hot rolled steel sheets and strips for deep drawing and are manufactured to JIS G 3142.

Specifications	Thickness (mm)	Chemical Composition (wt %)						
		C	Si	Mn	P	S	Others	
ANCOR-H	1.0-12.7	≤ 0.10	≤ 0.50	≤ 0.50	≤ 0.035	≤ 0.035	Cr ≤ 0.50 Cu ≤ 0.50	
HCON700W	2.3-4.5	≤ 0.12	≤ 0.45	≤ 0.25	≤ 0.035	≤ 0.03	Cu ≤ 0.05 Cr ≤ 0.30	

Notes: 1. Extended appearance, form, dimensions, weight and tolerance comply with JIS G 3142. 2. This specification guarantees chemical composition without mechanical properties.

Hot Rolled Steel Sheets & Strips for Steel Pipes with Anti-grooving Corrosion : These specifications apply to the hot rolled steel sheets and strips with anti-grooving corrosion and are manufactured to JIS G 3142.

Specifications	Thickness (mm)	Chemical Composition (wt %)						
		C	Si	Mn	P	S	Others	
PACOS2	1.0-12.7	≤ 0.10	≤ 0.25	0.25-0.50	≤ 0.025	≤ 0.005	Cu 0.10-0.30 Cr ≥ 0.30	
PACOS3	3.0-10.0	≤ 0.10	≤ 0.25	0.10-0.30	≤ 0.025	≤ 0.005	Cu 0.10-0.30 Cr ≥ 0.30	

Notes: 1. Extended appearance, form, dimensions, weight and tolerance comply with JIS G 3142. 2. Number of finish inspections and final inspection are shown in parentheses in the product literature. (Notes: 1. Number of finish inspections is 1. Number of final inspection is 1. Number of final inspection is 1. Number of final inspection is 1.)

Hot Rolled Steel Sheets & Strips : These specifications apply to the hot rolled steel sheets and strips for cold-chamber die casting and are manufactured to JIS G 3142.

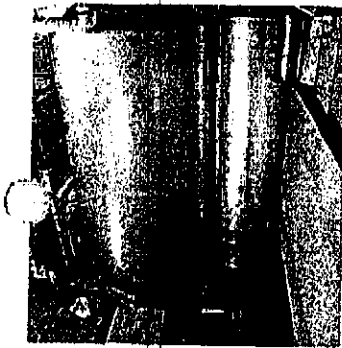
Specifications	Thickness (mm)	Chemical Composition (wt %)						
		C	Si	Mn	P	S	Others	
ATOSS5	2.3-12.7	≤ 0.20	≤ 0.40	≤ 1.00	≤ 0.03	≤ 0.03	Nb	
ATOSB0	2.3-12.7	≤ 0.20	≤ 0.40	≤ 1.50	≤ 0.03	≤ 0.03	≤ 0.05	
ATOSB0	2.3-12.7	≤ 0.20	≤ 0.40	≤ 2.00	≤ 0.03	≤ 0.03	≤ 0.05	

Notes: 1. Extended appearance, form, dimensions, weight and tolerance comply with JIS G 3142. 2. Number of finish inspections and final inspection are shown in parentheses in the product literature. (Notes: 1. Number of finish inspections is 1. Number of final inspection is 1. Number of final inspection is 1.)

Hot Rolled Steel Sheets & Strips for the Impact Beams and Stabilizers of Automobiles : These specifications apply to the hot rolled steel sheets and strips for impact beams and stabilizers of automobiles and are manufactured to JIS G 3142.

Specifications	Thickness (mm)	Chemical Composition (wt %)							
		C	Si	Mn	P	S	Se-AI	Cr	B
AUTOBEAM	10-70	≤ 0.30	-	≤ 1.00	-	≤ 0.005	≤ 0.02	0.10-0.30	-
STAB	10-70	≤ 0.25	≤ 1.00	≤ 0.005	≤ 0.005	≤ 0.005	≤ 0.005	0.20-0.40	0.004-0.005

Notes: 1. Extended appearance, form, dimensions, weight and tolerance comply with JIS G 3142. 2. Number of finish inspections and final inspection are shown in parentheses in the product literature. (Notes: 1. Number of finish inspections is 1. Number of final inspection is 1. Number of final inspection is 1.)



Specifications	Yield Point (MPa)	Tensile Strength (MPa)	Elongation (%)		Bending Test	
			Test Piece	%	Bending Angle	Inner Dia. Test Piece
ANCOR-H	≥ 245	≥ 400	1/5 Notching Specimen	≥ 25	180°	1.5I
HCON700W	≥ 270	750-950	1/5 Notching Specimen	≥ 12	90°	1.0I

Notes: 1. I.M. represents the impact factor.

Specifications	Yield Point (MPa)	Elongation (%)	Thickness (mm)	Bending Test	
				Test Piece	Inner Dia.
PACOS2	≥ 344	≥ 27	1.6-3.0	1/5 Notching Specimen	1.0I
PACOS3	≥ 410	≥ 22	1.6-3.0	1/5 Notching Specimen	1.5I

Specifications	Yield Point (MPa)	Tensile Strength (MPa)	Elongation (%)		Bending Test	
			Test Piece	%	Bending Angle	Inner Dia.
ATOSS5	≥ 540	≥ 400	2/3-1/9	≥ 21	180°	1.5I
ATOSB0	≥ 590	≥ 440	2/3-1/9	≥ 18	180°	1.5I
ATOSB0	≥ 780	≥ 700	2/3-1/9	≥ 14	180°	1.5I

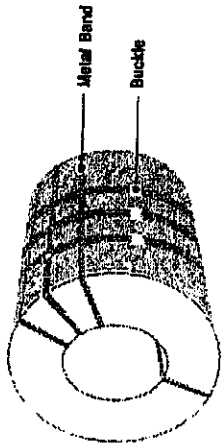
Specifications	Yield Point (MPa)	Bending Angle	Inner Dia.	Remark
AUTOBEAM	490-784	180°	1.5I	Steel pass through proper heat treatment to come out as finished products
STAB	-	180°	1.5I	

PACKING & MARKING

P A C K I N G & M A R K I N G

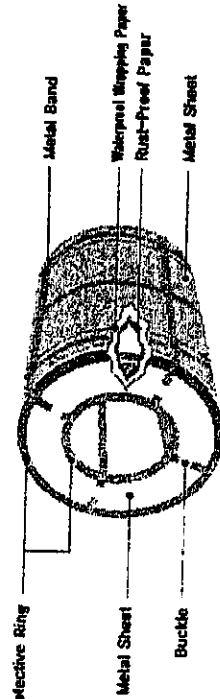
HR COIL Neck Packing

Choose either metal or paper packing.



P/O COIL Metal Packing

Choose either paper packing or metal packing.



HR SHEET Metal Packing

Choose from metal packing, acid-resist packing, paper packing, slit-wrapping packing, and poly-wood packing.



Product label

HR

HOT ROLLED STEEL SHEET

HYUNDAI HYSCO

JS-SS400

8.60 X 857 X C

14850 / 32738

Y528360

0001109012070

2001.11.15

J.K.KIM

14850

Y22700

0001109012070

2001.11.15

posco Potang Works

*Marking labels are attached when requested by customers.