

QUARTERLY REPORT ON THE STATUS OF THE STEEL INDUSTRY

Report to the Committee on
Ways and Means on Investigation
No. 332-226 Under Section 332
of the Tariff Act of 1930



USITC PUBLICATION 2386

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**United States International Trade Commission
Washington, DC 20436**

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This report was prepared principally by

Sharon Greenfield

Robert Mascola

Anna Mae Toth

Minerals and Metals Division

Address all communications to
Kenneth R. Mason, Secretary to the Commission
United States International Trade Commission
Washington, DC 20436

Adjustment in the Western German Steel Industry¹

Introduction

Western Germany (hereafter, Germany) is the European Community's largest steel producer, and the world's fifth largest. In addition, Germany is an active steel trader; it is the Community's largest importer and largest exporter. In 1989, Germany produced 37 million metric tons of finished steel, exported 19.1 million tons, and imported 15.1 million tons.² The country is an important exporter to the U.S. market, accounting for 9 percent of U.S. steel imports.³

Germany's largest steel producer is Thyssen Stahl, the Western world's eighth largest producer. Thyssen Stahl accounts for roughly 30 percent of Germany's steel production. Other large German steelmakers are DHS-Dillinger Hutte Saarstahl, Krupp, Peine-Salzgitter, Hoesch, Kloeckner, and Mannesmann. Together, these integrated companies account for about 80 percent of Germany's total steel production. Unlike a number of other large steelmakers in the European Community, which have varying degrees of government ownership, these companies are predominantly held by the private sector.⁴

In the past 2-3 years, the German industry has made significant strides toward restructuring. Diversification into other lines of business and specialization in steel production have been the predominant means of adjustment throughout the 1980s, but these efforts have been complemented by mergers and foreign investment. Further adjustment is likely as a result of the western region's reported overcapacity in flat-rolling facilities and German reunification, which appears likely to result in a number of joint ventures.

Company Structure and Adjustment During the 1980s

German steelmakers have long been divisions of larger holding companies having wide-ranging business interests; such interests include machine building, engineering, construction, and other downstream, steel-consuming businesses. Thyssen Handelsunion (the company including Thyssen Stahl), for instance, conducts business activities not only in the steel industry, but in the coal and coke, recycling, oil and petrochemical, distribution, sanitary ware, engineering, construction, and shipbuilding industries. Thyssen also conducts business in industries which compete with steel, such as the plastic, aluminum, and ceramics industries. This industrial structure has traditionally provided German steelmaking firms with more stable operating environments.

¹ Except as noted, analysis and data do not include the former German Democratic Republic.

² IISI, Steel Statistical Yearbook 1990.

³ American Iron and Steel Institute, December 1989.

⁴ The only known exception is Dillinger Saarstahl, 27.5 percent of whose shares are owned by the Saar state government. Peine-Salzgitter's privatization was completed in 1990.

During the 1980s, this industrial structure has been complemented by what appear to be broader efforts to diversify, specialize steelmaking operations, and otherwise build close supplier relationships with principal steel-consuming industries. Such efforts are perhaps most evident in Hoesch AG. Hoesch has undertaken a diversification program in order to become a more complete partner with the automotive industry.⁵ As such, it has discontinued production of most long products (i.e., steel bars and shapes) in order to specialize in cold-rolled and coated sheet steel needed by the auto industry. In addition, Hoesch has diversified into steel processing, nonferrous metal trading, electronic components, and computer hardware and software. Hoesch executives explain that such diversification has enabled them to provide a broader range of products and services to the auto industry. As a result of diversification, Hoesch presently depends on its steelmaking operations for only 30 percent of its annual revenue.⁶

Unlike many of its foreign competitors, the German steel industry did not undergo a significant amount of "rationalization" during the 1980s. Numerous merger plans, involving (at one time or another) each of Germany's integrated producers, were proposed but did not materialize, basically for two reasons. On the one hand, German producers typically held management philosophies which conflicted with those of other producers, German or foreign. In particular, German companies appeared to be reluctant to merge or participate in joint ventures with foreign competitors. On the other hand, the debt accumulated by some of Germany's producers during the 1980s, principally Krupp and Kloeckner, made potential partnerships or mergers, such as that proposed between Thyssen and Krupp in 1983, difficult to negotiate. The debts accumulated by Hoesch and Saarstahl were major factors which led Hoogovens (Netherlands) and Arbed (Luxembourg) to sever or reduce their ties with these companies.⁷

Recent Adjustment

In recent years, the German industry's restructuring efforts have reflected greater cooperation among some German companies, and between certain German companies and foreign partners. In 1988, Krupp, Mannesmann, and Thyssen announced a plan to restructure operations in Duisburg, located north of Dusseldorf. According to plan, Krupp closed its Rheinhausen steelworks, transferring its production of pig iron, raw steel, and semifinished steel to Mannesmann's Huchingen works (which has since operated as a joint venture), and its production of rails and structurals to Thyssen's Bruckhausen plant.⁸ The plan increased capacity utilization in the plants operated by Mannesmann and Thyssen while allowing Krupp to vacate an antiquated mill and reduce overcapacity in certain product areas. In the joint venture between

⁵ Representatives of Hoesch AG, interview by USITC staff, Dusseldorf, Germany, April 15, 1991.

⁶ Hoesch interview.

⁷ For a fuller discussion of proposed German mergers, see Thomas R. Howell et al., Steel and the State: Government Intervention and Steel's Structural Crisis, Economic Competition Among Nations Series (Boulder and London: The Westview Press, 1988), pp. 184-188.

⁸ Thomas R. Howell et al., p. 188.

Mannesmann and Krupp (now Huttewerke Krupp Mannesmann), the companies addressed opposition from the city of Rheinhausen by sharing job displacement over both companies.⁹

In addition, opposition to foreign steelmakers' participation inside Germany appears to have dissipated somewhat. In mid-1989, Usinor Sacilor (France) acquired a 70 percent stake in Saarstahl, and merged it with Dillinger Huttenwerke (also located in Germany) to form DHS-Dillinger Hutte Saarstahl. In 1990, British Steel (BSC) acquired Kloeckner's Mannstadt-Werke, one of the few facilities that BSC has been able to acquire on the European continent. In addition, C. Itoh, the Japanese trading company, was allowed to purchase a 5-percent interest in Kloeckner-Werke AG. Before this latter acquisition, Japan's only other known holding in the European Community was its minority stake in Hellenic Steel (Greece).

Outlook

Discussions with representatives of the German steel industry indicate that economic and financial pressure to restructure, somewhat alleviated by the buoyant market conditions of the late 1980s, will continue to motivate companies in the western region to merge certain operations, enter into joint ventures, and further diversify. Industry analysts have suggested that the German industry exhibits redundancy among a range of facilities, including plate and hot strip mills, which are likely to both necessitate high modernization costs and result in falling product prices during periods of weak demand.¹⁰ These analysts expect market forces to necessitate consolidation of such facilities. Industry sources also indicate that joint ventures may be particularly appealing to those German companies, like Kloeckner, Krupp, and Mannesmann, whose financial performance suffered significantly during the 1980s.

The need to assimilate producers in the former German Democratic Republic into the German industry, however, appears equally pressing. Among the problems evident in the east are poor product mix (i.e., overdependence on long products), overstaffing, and poor site location. Western German steel executives familiar with the east indicate that two-thirds of the products produced in the east are merchant-grade long products, for which there is already oversupply in the European Community.¹¹ The eastern steel industry employs roughly 70,000 workers, half or more of which are reportedly unnecessary in efficient operations.¹² Moreover, managers of steel firms

⁹ Representative of Mannesmann AG, interview by USITC staff, Dusseldorf, Germany, April 16, 1991.

¹⁰ Hans Mueller, "Economic Outlook for German Steel," Steel Times, December 1990, p. 661, and interviews by USITC staff, Germany, France, Belgium, and the Netherlands, April 15-29, 1991.

¹¹ Representatives of the German steel industry, interview by USITC staff, Dusseldorf, Germany, April 15-17, 1991.

¹² Paul Millbank, "A Marriage of Inconvenience," Metal Bulletin Monthly, December 1990, p. 63.

located in the east are reportedly unfamiliar with Western cost accounting, marketing, and sale techniques.¹³ Facilities that are maintained will apparently require large-scale investment.

The funds and technology necessary to modernize facilities in the east will evidently come from western partners. It has been reported that Thyssen, Krupp, Peine-Salzgitter, Hoesch, and Mannesmann are involved in technology and production arrangements with eastern producers. The costs incurred by western German companies may be partially offset by financial assistance made available to those who create jobs in the east.¹⁴ Interviews with staff at the EC Commission indicate that there also exists a possibility that subsidies may be extended to eastern mills as part of a broad regional aid program for which east Germany now qualifies. Such a subsidy program would reportedly conform to the principles set forth in the present EC State Aids Code on steel,¹⁵ which has been suggested as a model for a subsidy limitation agreement specific to the steel industry under the GATT.

Richard Brown
252-1438

¹³ European steel executives, interviews by USITC staff, April 1991.

¹⁴ "German investors will get subsidies," Metal Bulletin, September 10, 1990, p. 47.

¹⁵ Staff of the Commission of the European Communities, interview by USITC staff, Brussels, Belgium, April 25, 1991.

Quarterly Review:
Selected Industry and Trade Topics

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U.S. STEEL INDUSTRY HIGHLIGHTS

Figure 1
U.S. average monthly and monthly steel shipments

1,000 short tons

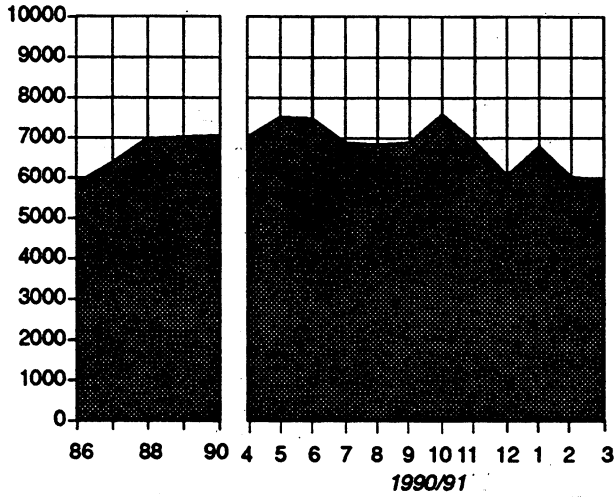


Figure 2
U.S. average monthly and monthly steel imports

1,000 short tons

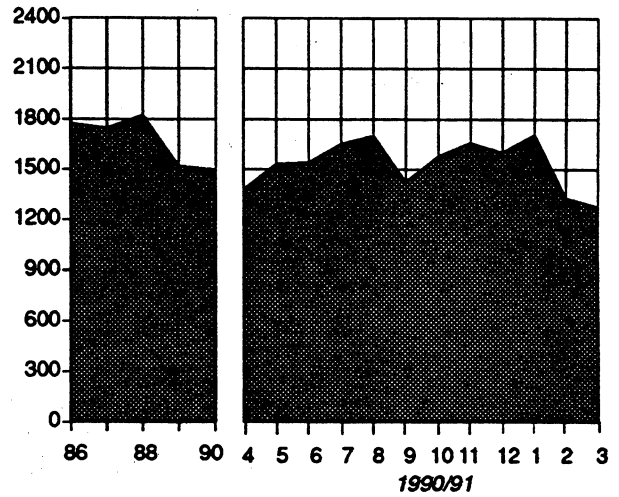


Figure 3
U.S. average monthly and monthly steel exports

1,000 short tons

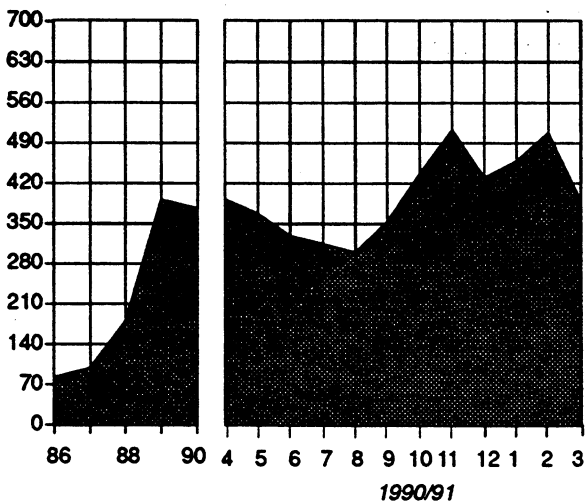
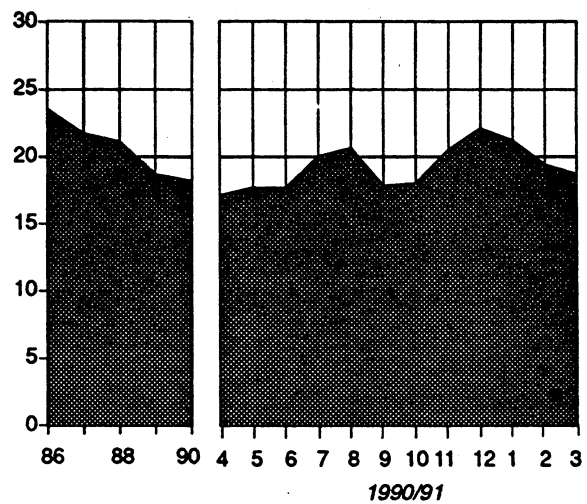


Figure 4
U.S. average monthly and monthly steel import penetration¹

Percent



¹ Import penetration is defined as the percent of apparent consumption represented by imports.

Source: Compiled from data of the American Iron and Steel Institute and official statistics of the U.S. Department of Commerce.

INTERNATIONAL STEEL INDUSTRY HIGHLIGHTS

Figure 5

Raw steel: Geographic distribution of world production, 1989

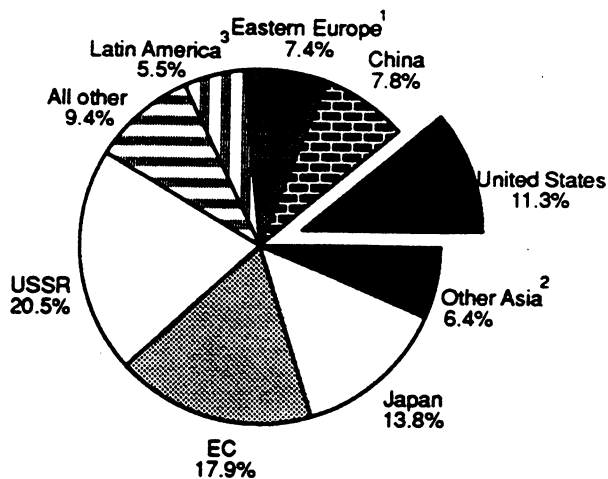
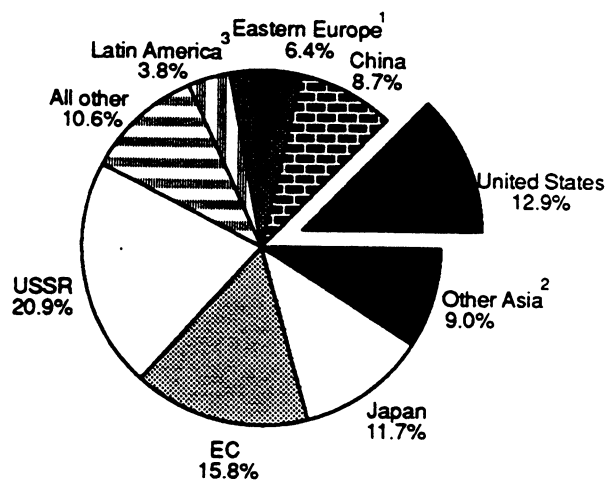


Figure 6

Raw steel: Geographic distribution of world apparent consumption, 1989



¹ Includes Bulgaria, Czechoslovakia, German Democratic Republic, Hungary, Poland, and Romania.

² All Asian countries excluding Japan, China, North Korea, and the Middle East region.

³ Includes Mexico, Central America, South America and the Caribbean (including Cuba).

Source: International Iron and Steel Institute.

Table i

Raw steel: Production of top 20 steelmakers, 1980, 1990

(Million metric tons)

Company	Country	1980	1990	Volume change 1980-90	Percent change 1980-90
Nippon Steel	Japan	32.9	28.8	-4.1	-12.6
Usinor-Sacilor	France	17.4	23.3	5.9	33.7
Posco	Korea	5.9	16.2	10.3	174.9
British Steel	United Kingdom	28.4	13.8	5.4	63.7
USS	United States	21.1	12.4	-8.7	-41.5
NKK	Japan	14.0	12.1	-1.9	-13.5
ILVA	Italy	13.7	11.5	-2.2	-16.0
Sumitomo Metal	Japan	12.7	11.1	-1.6	-12.3
Thyssen	Germany	12.4	11.1	-1.3	-10.2
Kawasaki	Japan	12.7	11.1	-1.6	-12.4
Bethlehem	United States	13.6	9.9	-3.7	-27.1
SAIL	India	5.6	8.7	3.1	55.2
Arbed	Luxembourg	4.6	7.7	3.1	66.7
LTV Steel	United States	8.8	7.4	-1.4	-15.5
Kobe Steel	Japan	7.4	6.6	-0.8	-11.4
Iscor	South Africa	7.0	6.3	-0.7	-9.4
BHP	Australia	7.6	6.2	-1.4	-19.1
China Steel	Taiwan	5.1	5.9	4.5	320.7
Dofasco	Canada	3.4	5.2	1.8	53.2
National Steel	United States	6.9	5.2	-1.7	-24.6

¹ Represents combined production of Usinor and Sacilor, which merged to form Usinor-Sacilor in 1987.

² Reflects decreased production resulting from a 13-week strike in early 1980.

³ Represents production of FINSIDER, many of whose facilities were taken over by ILVA in early 1989.

⁴ Represents combined production at Jones & Laughlin Steel and Republic Steel, which merged to form LTV Steel in 1984.

⁵ Estimated.

⁶ Includes production from Algoma Steel, which was acquired by Dofasco.

Table ii

Crude steel: Apparent consumption per capita, 1979, 1989

(Kilograms)

Selected country/region	1979	1989	Percent change 1979-89
Japan	674.5	753.8	11.8
Taiwan	300.2	701.0	133.5
Soviet Union	575.7	581.8	1.1
Canada	647.2	528.8	-18.3
Eastern Europe ¹	533.3	439.1	-17.7
Korea	199.8	418.6	109.5
United States	622.3	412.2	-33.8
EC-12	394.9	386.2	-2.2
Western Europe (excluding EC-12)	218.3	221.5	1.5
Middle East	177.1	95.0	-46.4
Mexico	128.3	86.1	-32.9
Brazil	107.9	84.5	-21.7
China	46.0	63.0	37.0
Africa	26.8	15.6	-41.8
Indonesia	12.5	13.0	4.0
World	174.3	151.1	-13.3
Memo:			
Industrialized countries	477.4	419.9	-12.0
Developing countries	46.7	44.9	-3.9
Centrally-planned economy countries	183.8	184.1	0.2

¹ Includes Albania, Bulgaria, Czechoslovakia, German Democratic Republic, Hungary, Poland and Romania.

Source: Compiled from statistics of the International Iron and Steel Institute.

Table iii
Raw steel: Average annual production by country or region, by specified 5-year periods, 1956-90

<i>Time period</i>	<i>United States</i>	<i>EC-12</i>	<i>Japan</i>	<i>Principal steel-producing developing countries¹</i>	<i>World total</i>
<i>Million metric tons</i>					
1956-60	91.79	85.86	14.91	14.97	299.81
1961-65	102.36	105.37	33.66	20.94	397.09
1966-70	120.76	130.63	70.46	31.35	533.66
1971-75	120.99	150.91	104.84	46.05	650.23
1976-80	115.78	145.31	107.01	69.04	706.07
1981-85	83.61	131.60	101.86	95.17	688.82
1986-90	84.62	133.35	104.14	137.90	756.19
<i>Percent of world</i>					
1956-60	30.62	28.64	4.97	4.99	100.00
1961-65	25.78	26.54	8.48	5.27	100.00
1966-70	22.63	24.48	13.20	5.87	100.00
1971-75	18.61	23.21	16.12	7.08	100.00
1976-80	16.40	20.58	15.16	9.78	100.00
1981-85	12.14	19.10	14.79	13.82	100.00
1986-90	11.19	17.63	13.77	18.24	100.00

¹ Includes Brazil, Peoples Republic of China, India, Republic of Korea, Mexico, and Taiwan.

Source: Compiled from statistics of the U.K. Iron and Steel Statistics Bureau and International Iron and Steel Institute.

Table iv
Raw steel: Production, by specified country and region, 1985-90

<i>Country/region</i>	<i>1985</i>	<i>1986</i>	<i>1987</i>	<i>1988</i>	<i>1989</i>	<i>1990</i>	<i>Percent Change 1985-1990</i>
<i>1,000 metric tons</i>							
Turkey	4,864	5,928	7,044	7,982	7,852	9,350	92.2
Taiwan	5,306	5,545	5,915	8,288	9,047	9,554	80.1
Korea	13,539	14,555	16,782	19,118	21,873	23,125	70.8
China	46,794	52,208	56,020	59,430	61,590	67,241	43.7
India	11,936	12,197	13,121	14,309	14,429	14,866	24.5
Mexico	7,399	7,225	7,642	7,779	7,851	8,682	17.3
United States	80,068	74,032	80,876	90,650	88,834	88,900	11.0
Japan	105,279	98,275	98,513	105,681	107,909	110,333	4.8
EC-12	135,663	125,855	126,486	137,816	140,080	136,454	0.6
Brazil	20,458	21,233	22,228	24,657	25,055	20,569	0.5
Australia	6,609	6,674	6,100	6,387	6,732	6,617	0.1
Soviet Union	154,653	160,537	161,935	163,037	160,096	154,333	-0.2
Eastern Europe ¹	42,661	43,939	44,426	43,968	42,703	36,915	-13.5
Canada	14,637	14,081	14,737	14,866	15,458	12,100	-17.3
Total selected countries/regions	649,866	642,284	661,825	703,958	706,978	699,039	7.6
All other	69,008	71,099	74,077	75,691	77,962	71,210	3.2
World total	718,874	713,383	735,902	779,649	784,940	770,249	7.1

¹ Includes Czechoslovakia, German Democratic Republic, Hungary and Poland.

Source: Compiled from statistics of the International Iron and Steel Institute.

Table v
Steel mill products: Average annual exports by region of origin, by specified period, 1970-89¹

<i>Period</i>	<i>United States</i>	<i>EC-12</i>	<i>Japan</i>	<i>Principal steel-producing developing countries²</i>	<i>All other</i>	<i>World total</i>
<i>Exports (1,000 metric tons)</i>						
1970-74	4,171	26,837	23,821	1,737	24,263	80,829
1975-79	2,440	36,418	31,970	3,966	32,251	107,045
1980-84	2,028	34,709	29,919	11,344	37,821	115,820
1985-89	1,758	31,446	25,727	17,678	50,201	126,810
<i>Percent of world</i>						
1970-74	5.2	33.2	29.5	2.1	30.0	100.0
1975-79	2.3	34.0	29.9	3.7	30.1	100.0
1980-84	1.8	30.0	25.8	9.8	32.7	100.0
1985-89	1.4	24.8	20.3	13.9	39.6	100.0
<i>Percent of shipments³</i>						
1970-74	4.4	22.5	28.8	0.9	(⁴)	16.1
1975-79	2.9	31.6	35.1	8.3	15.6	18.9
1980-84	2.4	31.3	32.1	15.7	17.2	20.5
1985-89	2.6	18.9	26.6	17.0	20.6	20.2

¹ Intra-EC trade excluded.

² Includes Brazil, Peoples Republic of China, India, Republic of Korea, Mexico, and Taiwan.

³ Derived by the staff of the International Trade Commission.

⁴ Not available.

Source: Compiled from statistics of the International Iron and Steel Institute, except as noted.

Table vi
Steel mill products: Average annual imports by region of origin, by specified period, 1970-89¹

<i>Period</i>	<i>United States</i>	<i>EC-12</i>	<i>Japan</i>	<i>Principal steel-producing developing countries²</i>	<i>All other</i>	<i>World total</i>
<i>Imports (1,000 metric tons)</i>						
1970-74	14,274	10,460	143	8,505	47,384	80,766
1975-79	15,044	12,588	464	13,115	61,805	103,015
1980-84	16,952	12,138	2,296	15,148	69,312	115,846
1985-89	18,934	12,075	5,086	22,874	68,150	127,118
<i>Percent of world</i>						
1970-74	17.7	13.0	0.2	10.5	58.7	100.0
1975-79	14.6	12.2	0.5	12.7	60.0	100.0
1980-84	14.6	10.5	2.0	13.1	59.8	100.0
1985-89	14.9	9.5	4.0	18.0	53.6	100.0
<i>Percent of apparent consumption</i>						
1970-74	13.5	10.2	0.2	4.2	(³)	16.1
1975-79	15.7	13.2	0.8	23.0	26.2	18.9
1980-84	20.6	13.7	3.5	20.0	27.6	20.5
1985-89	22.2	12.4	6.7	21.0	26.0	20.2

¹ Intra-EC trade excluded.

² Includes Brazil, Peoples Republic of China, India, Republic of Korea, Mexico, and Taiwan.

³ Not available.

Source: Compiled from statistics of the International Iron and Steel Institute.

Preface

On December 29, 1989, at the request of the Committee on Ways and Means, U.S. House of Representatives, and in accordance with the provisions of section 332(g) of the Tariff Act of 1930 (19 U.S.C. 1332(g)), the United States International Trade Commission announced the continuation of investigation No. 332-226, Monthly Reports on the Status of the Steel Industry.¹ The purpose of the reports is to monitor developments in the steel industry through March 1992, which corresponds with the President's extension of the voluntary restraint arrangements (VRAs) with certain countries and regions which export steel to the United States. The original investigation was instituted by the Commission on April 9, 1986. On December 12, 1990, with the approval of the Ways and Means Committee, the Commission announced that the reports would be published quarterly, with the first quarterly report to be published in March 1991.²

Background of the VRAs

On September 18, 1984, the President determined, under section 202(b)(1) of the Trade Act of 1974, that taking "escape clause" action was not in the national economic interest (49 Federal Register 36813). The decision followed an investigation conducted by the Commission in which imports of certain steel products were found to be a substantial cause of serious injury, or threat thereof, to certain domestic industries (investigation No. TA-201-51).³ Instead of taking action under the statute, the President established a nine-point policy to address the concerns of the industry. Under this policy, the President directed the United States Trade Representative to negotiate voluntary restraint arrangements (VRAs) to cover a five year period (from October 1, 1984 through September 30, 1989) with countries whose exports to the United States had increased significantly in previous years due to an unfair surge in imports. Although the structure of the arrangements varied from one country to another, each involved an agreement by the foreign government to limit exports of certain steel products to the United States; to bring the agreements into effect, U.S. producers withdrew pending unfair trade petitions and the U.S. Government suspended antidumping and countervailing duties that were in effect on steel products covered by the VRAs. The trade measures were expected to return the share of imports in the U.S. market to a more normal level of approximately 18.5 percent, excluding semifinished steel (which subsequent Administration statements indicated were limited to about 1.7 million tons per year).

¹See appendix A for a copy of the request letter and appendix C for notice of continuation.

²See appendix B for letter and appendix D for notice of change in frequency of publication.

³Affirmative decisions were rendered in the case of semifinished steel, plates, sheets and strip, wire and wire products, and structural shapes and units. Negative determinations were rendered in the case of wire rod, railway type products, bars, and pipes and tubes.

Specialty steel

On July 19, 1983, the President announced his decision to grant import relief to the specialty steel industry for a period of 4 years (53 Federal Register 52897). The relief was scheduled to expire on July 19, 1987. Under the relief, quotas were placed on imports of stainless steel bars, stainless steel wire rods, and certain alloy tool steel products; increased duties were imposed on stainless steel plates and stainless steel sheets and strip. On July 16, 1987, the President announced his decision to extend the import relief in the form then in effect for a period from July 20, 1987 through September 30, 1989. Under the steel VRAs, in return for their agreement to limit exports of stainless steel plates and sheets and strip, the VRA countries were exempted from having to pay additional duties (with the exception of Finland, whose VRA does not include stainless steel flat-rolled products). Quotas were unaffected by the VRAs for all countries except the EC-10, which negotiated limits on rods, bars, and alloy tool steel as part of its VRA; Brazil, whose VRA includes the specialty steel products subject to quotas; and Austria, which included alloy tool steel in its VRA.

Extension of the VRAs

On July 25, 1989, the President announced a Steel Trade Liberalization Program, under which the VRAs were extended for two and one-half years, terminating on March 31, 1992. The President directed the U.S. Trade Representative to negotiate VRAs at an overall restraint level of 18.4 percent (which is the same as the 1988 VRA import penetration level). In order to provide incentives for countries to eliminate trade-distorting practices and in order to respond to concerns of steel consumers for adequate supplies of raw materials, the President authorized up to an additional one percent import penetration annually that would be available to countries that entered into bilateral consensus agreements.⁴

On December 12, 1989, the U.S. Trade Representative announced that negotiations had been completed with the European Community and the 16 other countries that previously had VRAs.⁵ As a result of the negotiations, the restraint levels for steel mill products (including semifinished steel) increased to a 19.1 percent share of domestic consumption in the first period of the new VRA program (table A). Additional increases in restraint levels have been authorized for subsequent years for countries that have entered into bilateral consensus agreements.⁶ Product coverage under the VRAs remains

⁴Negotiations for bilateral agreements were conducted in order to restrict trade-distorting practices, and to address the causes rather than the symptoms affecting world trade in steel.

⁵South Africa is the only country with which the United States did not renew the VRA.

⁶Countries or regions with which the U.S. has negotiated bilateral agreements are the EC, Japan, South Korea, Brazil, Mexico, Australia, and Trinidad and Tobago. Although bilateral agreements have been reached with Austria, Finland

(continued...)

essentially unchanged though the agreements have been modified to include those specialty steel products that were previously subject to relief under section 203 of the Trade Act of 1974.

Operation of the VRAs

Under the VRAs, foreign governments agreed to limit their steel exports to the U.S. market over specified time periods. The foreign governments issue to their industries export certificates, which in turn must be presented to U.S. Customs officials as a condition of entry. The U.S. Department of Commerce, which administers the program, monitors compliance on the basis of these export certificates.⁷ Issues or problems regarding the program (including compliance) are discussed by contracting parties through periodic meetings between U.S. and foreign government officials.⁸

Some of the VRAs set fixed-tonnage limits, while others limit exports to a certain share of the U.S. market. With respect to market share agreements, the Department of Commerce uses forecasts of U.S. apparent consumption (published in February, May, August, October, and December of each year)⁹ to establish (and revise) quantitative export ceilings. Since final consumption can only be determined following the termination of a period, adjustments for over- or undershipping may be carried forward to the subsequent period.

⁶(...continued)

and Yugoslavia, there has been no announcement of additional market share increases for those countries.

⁷Although the import statistics in this report may serve as an indicator of the overall percent of the export ceilings that are met, they are not a substitute for the official statistics based on export certificates. Even as an indicator, however, the figures in this report tend to overstate the actual level of VRA exports. This is because product coverage varies among agreements, and imports of products covered by only some VRAs countries are considered VRA imports regardless of which VRA country is the country of origin; the degree of overstatement, however, is relatively small.

⁸In order to enforce compliance with the VRAs, the President may, among other things, direct Customs to deny entry to further shipments from countries surpassing their ceilings.

⁹Forecasts are provided to the U.S. Department of Commerce by DRI, a private sector consulting firm.

Table A
Overall ceiling levels under initial and extended voluntary restraint arrangements

Country	VRA I	First Period ¹	Second Period ¹	Third Period ¹
-----Percent-----				
Australia ² -----	0.26	0.39	0.49	0.59
Austria-----	0.24	0.25	0.25	0.25
Brazil ² -----	1.35	1.80	2.10	2.10
Czechoslovakia-----	0.04	0.04	0.04	0.04
EC ² -----	6.94	7.00	7.00	7.00
Finland-----	0.24	0.25	0.25	0.25
East Germany ³ -----	0.11	0.10	0.10	0.10
Hungary-----	0.03	0.05	0.05	0.05
Japan ² -----	6.19	5.00	5.30	5.30
South Korea ² -----	1.92	2.45	2.62	2.62
Mexico ² -----	0.49	0.95	1.10	1.10
PRC-----	0.08	0.08	0.09	0.09
Poland-----	0.09	0.13	0.13	0.13
Romania-----	0.11	0.11	0.11	0.11
Trinidad and Tobago ² -----	0.04	0.12	0.13	0.15
Venezuela-----	0.21	0.33	0.33	0.33
Yugoslavia-----	0.02	0.05	0.05	0.05
Total-----	18.36	19.10	20.14	20.26

¹ Numbers are approximate because some VRAs were negotiated for two 15-month periods, and others were negotiated for other combinations totaling 30 months. Market shares are based on 1989 apparent consumption.

² Includes allocation of bonus percentage (see Preface for explanation). Amount of allocation not specified.

³ Following the reunification of Germany, responsibility for the administration of the voluntary restraint agreement with East Germany was transferred to the European Community. However, the export ceiling level for steelworks located in Eastern Germany remains unchanged.

Source: USTR press release, December 12, 1989.

Structure of the Report

- o The Monthly Review section provides perspective on imports and trade by highlighting specific products, countries, or customs areas. The inclusion of such insights, which may not be readily apparent from the report's tabulated data, are intended to focus attention on important events in the steel industry. A chronological listing of Monthly Review topics immediately follows each month's review.
- o Table 1 provides data on key items, including raw steel production, capability utilization, employment, wages, shipments, trade, and financial performance.
- o Tables 2-6 provide data on shipments, imports, exports, apparent consumption, and imports as a percent of apparent consumption by major product for all grades of steel, plus carbon and specialty products separately.
- o Table 7 provides quantity and value data on imports of total steel mill products and certain fabricated products. The EC and each VRA country are specified, as are the top 10 non-VRA suppliers. The table can be used to measure the extent to which penetration is approaching the levels anticipated under the President's steel policy.
- o Table 8 provides data on the quantity of steel other than semifinished steel, which is being imported from the EC, each VRA country, and the top non-VRA suppliers, and the market penetration of each country.
- o Table 9 provides data on the quantity of semifinished steel imported from the EC, each VRA country, and the top non-VRA suppliers, and presents the 1989 semifinished unadjusted export ceilings of each VRA country.
- o Tables 10-29 provide data on the quantity and value of major carbon and specialty steel imports on a product-by-product basis. The EC, each VRA country, and the top non-VRA suppliers are specified.
- o Table 30 provides data on the unit values of selected imports of carbon and specialty steel products.
- o Table 31 provides data on imports of selected carbon and specialty steel products. The table also provides information which permits an examination of the extent to which shifts in product mix within major product categories is occurring.
- o Tables 32-37 provide data on imports of steel mill products and certain fabricated products, by U.S. customs area.

Notes on Product Coverage and Methodology

Data on foreign trade and domestic shipments are compiled from official statistics of the U.S. Department of Commerce and from statistics of the American Iron and Steel Institute (AISI), respectively.

The products for which foreign trade data are collected generally correspond to those covered by the VRAs. Since the VRAs include certain fabricated products (defined as wire strand, wire ropes, cables, cordage and fabricated structural units), the data may exceed that compiled by other organizations such as the AISI. The additional tonnage, however, is relatively small. In 1990, AISI reported imports of 17.2 million tons, which compares to the 18.0 million tons indicated in this report. The product categories most affected are structural shapes and units (which includes fabricated structurals in this report) and wire and wire products (which includes wire rope and wire strand).

The EC VRA now includes Portugal and Spain, which are no longer subject to separate VRAs.

In table 30, unit values are calculated using unrounded data. Import values are customs value, i.e., the data do not include insurance and freight charges from the country of origin to the United States.

Trade data include imports under sections 9802.0060 and 9802.0080 of the Harmonized Tariff Schedule and sections 806.30 and 807.00 of the Tariff Schedule of the United States. These provisions apply to U.S. merchandise which is exported, processed, and reimported into the United States.

For the purposes of statistical continuity, South Africa continues to be listed as a VRA country.

As of the February 1990 report, the source for the data on employment levels in Table 1 was changed from the American Iron and Steel Institute (AISI) to the U.S. Department of Labor, Bureau of Labor Statistics (BLS). AISI employment figures cover reporting companies only; these companies represent a declining share of total raw steel production. The BLS data cover the entire steel industry, as defined by Standard Industrial Code 331, which includes the electrometallurgical products (or ferroalloy) industry. In the past, this industry, which is not generally defined as part of the steel industry, has represented less than three percent of total employment levels reporting under this SIC.

Beginning with the February 1990 report, data on tool steel imports were revised so as to exclude bearing steel products; the revisions affect data going back to January 1989. The revised data, which are consistent with industry practice and reports prior to 1989, treat bearing steel as an alloy steel and categorize it according to its end form--either plate, sheet and strip, or rod. Unlike data on imports and shipments, available data on tool steel exports include some bearing steel products. As a result, apparent consumption calculations (see table 5) are slightly understated in the case of

tool steel, and slightly overstated in the case of plate, sheet and strip, and rod. The ITC staff estimates, however, that the degree of understatement/overstatement is minor, as exports of bearing steel products are believed to be relatively low.

The continuity of certain trade data was affected by the implementation of the HTS due to changes in the metallurgical specifications of alloy steel and two important subsets of alloy steel: stainless steel and tool steel. In the case of alloy steel and tool steel, definitions have been broadened in some areas and narrowed in others, making it difficult to determine the net impact on trade figures. In the case of stainless steel, the definition has been broadened. Under the TSUS stainless steel was defined as any alloy steel which contained, by weight, less than 1 percent of carbon and over 11.5 percent of chromium; the HTS defines stainless steel as alloy steels containing, by weight, 1.2 percent or less of carbon and 10.5 percent or more of chromium, with or without other elements.

To reflect changes made to the Harmonized Tariff Schedule (HTS), the following HTS numbers have been added beginning with the March 1991 report: 7226.91.0500, 7226.91.1560, 7226.91.2560 (tool steel); 7226.91.1530, 7226.91.2530 (carbon and certain alloy sheet and strip).

Following consultation with the U.S. Department of Commerce, the ITC staff made the following revision to the June, July and September 1990 export data: 686 tons of June 1990 tool steel exports to Iraq, valued at \$1,411,000, have been reclassified as electrical sheet and strip; 1,681 tons of July 1990 tool steel exports to Iraq, valued at \$2,360,000, have been similarly reclassified; and 25,122 tons of September 1990 stainless plate exports to France, valued at \$9,162,041, have been reclassified as carbon slab exports.

Product coverage under the new VRAs (negotiated during 1989) differs slightly from that under the original VRAs (negotiated during 1984-5). For the purpose of statistical continuity, product coverage in this report has remained unchanged. The categories affected by these modifications include carbon and certain alloy sheet and strip (HTS numbers 7208.90.00, 7209.90.00, 7211.90.00, 7225.90.00 have been added to the new VRAs) and stainless sheet and strip (7219.90.00 and 7220.90.00 have also been added). In addition, HTS numbers 7206.90.00 (previously included under carbon and certain alloy semifinished steel) and 7302.30.00 (rails and related products) have been excluded from the new VRAs. The overall impact of these changes is relatively minor; with modifications, overall 1990 imports would have increased one percent.

The rails and related products category includes both new and used rails (see appendix E for complete definition). Of the 349,554 tons of rails and related products imported into the United States in 1990, 48 percent (or 170,288 tons) were used rails.

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Table 1
Steel: U.S. raw steel production, capability utilization, employment, wages, shipments, imports, exports, apparent consumption, net sales, 1986-90

Item	January-March					
	1986	1987	1988	1989	1990	1991
Raw steel:						
Production (1,000 short tons)....	81,606	89,151	99,924	97,480	98,015	21,468
Capability utilization (percent).....	63.8	79.5	89.2	84.1	84.0	72.8
Continuously cast (percent).....	55.2	59.8	61.3	64.6	67.1	76.0
Employment:						
Total (thousands) ¹	273.5	268.4	278.5	277.7	270.7	260.7
Production workers (thousands) ¹	208.8	202.9	215.5	214.2	207.6	198.7
Hourly employment cost ² (dollars).....	23.24	23.71	24.65	24.63	25.62	27.39
Steel:						
Shipments (1,000 short tons)....	70,263	76,654	83,840	84,259	84,981	18,744
Imports (1,000 short tons).....	21,289	20,938	21,869	18,219	17,953	4,306
Exports (1,000 short tons).....	980	1,176	2,152	4,692	4,509	1,354
Apparent consumption (1,000 short tons).....	90,572	96,416	103,558	97,786	98,424	21,696
Ratio of imports to consumption (percent).....	23.5	21.7	21.1	18.6	18.2	19.8
Steel operations:						
Net steel sales (million dollars).....	24,875	26,933	32,466	31,525	29,424	7,100
Net steel income ⁴ (million dollars).....	(4,150)	1,077	(567)	1,597	(220)	305
Ratio of income to net sales (percent).....	(16.7)	4	(1.7)	5.1	-0.7	4.3

¹These figures represent employment in Standard Industrial Code (SIC) 331. (See Notes for explanation).

²Total employment costs (including benefits) of employees receiving wages.

³Not available.

⁴January-March data are for operating (not net) income.

Source: Compiled from data of the American Iron & Steel Institute and official statistics of the U.S. Department of Commerce and the U.S. Department of Labor (Bureau of Labor Statistics).

Table 2.--Steel mill products and certain fabricated steel products: U.S. producers shipments, by product and grade of steel, 1986-1990, and by specified periods, 1990 and 1991

(Short tons)

Item	1986					1987					1988					1989					1990					1991									
	1986					1987					1988					1989					1990					1991									
All grades of steel:																																			
Semifinished-----	1,485,249					1,593,216					1,927,658					1,850,245					1,916,575					474,936					529,771				
Plate-----	3,564,806					4,047,919					7,327,887					7,293,115					7,944,624					2,018,694					1,778,507				
Sheet and strip-----	40,493,141					43,288,266					44,707,915					45,376,975					43,815,735					10,787,420					9,192,756				
Bars & certain shapes 1/--	12,171,142					13,575,114					14,488,773					14,510,007					14,726,831					3,759,956					3,138,400				
Wire rod-----	3,463,827					3,840,494					4,048,230					4,229,889					4,396,283					1,021,364					1,087,179				
Wire-----	802,259					800,063					1,072,698					1,005,407					917,950					247,645					210,546				
Wire products-----	278,060					304,761					3				3					3					3					3					
Structural shapes & units-----	4,527,632					5,119,714					5,208,754					5,438,404					6,092,821					1,369,619					1,427,978				
Rails & related products-----	640,197					514,647					615,303					544,771					518,593					139,031					152,797				
Pipe and tube-----	2,836,458					3,569,647					4,443,251					4,010,591					4,651,270					1,127,191					1,226,407				
Total-----	70,262,779					76,653,841					83,840,469					84,259,404					84,980,982					20,945,856					18,744,341				
Carbon & certain alloy 2/																																			
Steel:																																			
Semifinished-----	1,435,662					1,516,152					1,851,197					1,753,249					1,873,588					443,782					504,037				
Plate-----	3,448,947					3,888,838					7,145,009					7,123,691					7,738,559					1,968,211					1,732,103				
Sheet and strip-----	39,693,739					42,347,623					43,663,695					44,419,414					42,856,122					10,553,678					8,945,454				
Bars & certain shapes-----	11,996,343					13,391,238					14,284,744					14,304,189					14,531,409					3,709,719					3,090,962				
Wire rod-----	3,427,428					3,792,740					3,990,472					4,193,118					4,291,153					1,013,298					1,077,776				
Wire-----	777,604					773,329					1,043,112					980,707					894,750					242,021					204,941				
Wire products-----	278,068					304,761					3				3					3					3					3					
Structural shapes & units-----	4,527,632					5,119,714					5,208,754					5,438,404					6,092,821					1,369,619					1,427,978				
Rails & related products-----	640,197					514,647					615,303					544,771					518,593					139,031					152,797				
Pipe and tube-----	2,796,218					3,527,867					4,387,761					3,962,470					4,610,197					1,115,414					1,217,002				
Total-----	69,019,838					75,176,909					82,190,047					82,720,013					83,407,192					20,554,773					18,353,050				
Stainless & alloy tool steel:																																			
Semifinished-----	49,587					77,064					76,461					96,996					42,987					31,154					25,734				
Plate-----	115,859					159,081					182,878					169,424					206,065					50,483					46,404				
Sheet and strip-----	799,402					940,643					1,044,220					957,561					959,613					233,742					247,302				
Bars & certain shapes-----	119,024					125,441					139,752					138,618					137,717					37,296					35,447				
Wire rod-----	36,399					47,754					57,758					36,771					105,130					8,066					9,603				
Wire-----	24,655					26,734					29,586					24,700					23,200					5,624					5,605				
Pipe and tube-----	42,240					41,780					55,490					48,121					41,373					11,777					9,405				
Tool steel (all forms)-----	55,775					58,435					64,277					67,200					57,705					12,941					11,991				
Total-----	1,242,941					1,476,932					1,650,422					1,539,391					1,573,790					391,083					391,291				

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

3/ Shipment and apparent consumption data for wire and wire products have been combined and are reported in the category designated "wire".

Source: Compiled from data of the American Iron & Steel Institute.

Table 3.--Steel mill products and certain fabricated steel products: U.S. imports, by product and grade of steel, 1986-1990, and by specified periods, 1990 and 1991
(Short tons)

Item	1986	1987	1988	1989	1990		January-March	
					1990	1991	1990	1991
All grades of steel:								
Semifinished	2,089,322	2,288,995	2,844,979	2,197,811	2,362,820	544,168	595,951	
Plate	1,456,790	1,566,694	1,872,937	1,437,109	1,572,722	265,796	360,288	
Sheet and strip	8,278,604	7,875,891	7,303,964	6,443,362	6,866,501	1,305,013	1,662,732	
Bars & certain shapes 1/	1,476,368	1,359,758	1,445,932	1,356,035	1,119,085	231,455	231,827	
Wire rod	1,362,753	1,467,030	1,493,833	1,150,116	979,241	286,828	164,771	
Wire	582,022	555,981	540,380	494,303	432,356	118,796	98,779	
Wire products	636,591	649,377	572,451	703,602	660,325	184,927	123,866	
Structural shapes & units	2,179,657	2,153,669	2,188,467	1,640,361	1,020,593	294,172	178,218	
Rails & related products	275,710	245,988	319,432	322,985	349,555	72,253	76,884	
Pipe and tube	2,956,303	2,775,091	3,286,690	2,472,802	2,589,409	607,100	813,080	
Total	21,289,120	20,938,474	21,869,065	18,218,486	17,952,587	3,880,508	4,306,396	
Carbon & certain alloy steel:								
Semifinished	2,066,700	2,232,270	2,782,572	2,135,690	2,301,998	533,751	582,056	
Plate	1,440,375	1,555,577	1,857,090	1,419,396	1,552,071	261,722	355,584	
Sheet and strip	8,127,033	7,746,596	7,185,380	6,302,844	6,712,159	1,272,831	1,618,899	
Bars & certain shapes	1,393,731	1,281,168	1,361,113	1,264,305	1,035,255	223,889	204,906	
Wire rod	1,344,256	1,448,720	1,474,623	1,128,417	956,113	281,065	158,191	
Wire	564,481	536,897	519,727	472,984	414,008	114,215	94,253	
Wire products	636,591	649,377	572,451	703,602	660,325	184,927	123,866	
Structural shapes & units	2,179,657	2,153,669	2,188,467	1,640,361	1,020,593	244,172	178,218	
Rails & related products	275,710	245,988	319,432	322,985	349,555	72,253	76,884	
Pipe and tube	2,923,029	2,748,644	3,249,937	2,435,544	2,542,189	597,717	799,760	
Total	20,951,563	20,598,906	21,510,792	17,826,128	17,544,266	3,786,542	4,192,617	
Stainless & alloy tool steel:								
Semifinished	17,622	56,725	62,407	62,121	60,822	10,418	13,895	
Plate	16,415	11,118	15,847	17,713	20,651	4,073	4,705	
Sheet and strip	151,571	129,295	118,584	140,519	154,362	32,182	43,833	
Bars & certain shapes	37,888	37,991	40,724	43,417	44,526	10,904	14,038	
Wire rod	18,496	18,311	19,210	21,698	23,128	5,762	6,581	
Wire	17,541	19,084	20,653	21,319	18,328	4,581	4,526	
Pipe and tube	33,274	26,448	36,752	37,258	47,220	9,383	13,321	
Tool steel (all forms)	44,749	40,599	44,095	48,313	39,304	16,662	12,882	
Total	337,556	339,571	358,272	392,358	408,321	93,965	113,781	

1/ Includes tool steel.
2/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 4.--Steel mill products and certain fabricated steel products: U.S. exports of domestic merchandise, by product and grade of steel, 1986-1990, and by specified periods, 1990 and 1991
(Short tons)

Item	1986-1990					1990		1991	
	1986	1987	1988	1989	1990	1990	1991		
All grades of steel:									
Semifinished	58,885	73,583	61,430	390,812	497,199	212,037	83,013		
Plate	69,565	96,538	119,393	630,689	483,452	86,748	204,121		
Sheet and strip	507,420	556,991	1,374,056	2,521,649	1,766,622	455,715	563,810		
Bars & certain shapes 1/2	81,224	121,869	141,461	258,640	451,278	81,162	122,897		
Wire rod	5,876	8,217	10,161	36,093	106,632	13,806	32,941		
Wire products	26,760	26,669	31,344	70,052	70,052	12,625	15,135		
Structural shapes & units	24,731	23,257	27,847	32,160	41,548	9,089	12,367		
Rails & related products	71,525	101,373	111,614	260,750	495,007	93,438	142,194		
Pipe and tube	13,131	15,755	18,855	86,464	126,629	21,924	27,704		
Total	121,050	152,155	250,330	942,992	970,779	93,299	150,240		
Carbon & certain alloy 2/	980,167	1,176,367	2,151,875	4,691,593	4,509,198	1,079,843	1,354,422		
Steel:									
Semifinished	57,932	71,362	58,598	376,984	515,848	210,520	72,659		
Plate	66,042	92,057	107,546	623,412	446,843	83,819	201,206		
Sheet and strip	477,803	501,010	1,328,485	2,475,995	1,710,621	441,139	544,732		
Bars & certain shapes	72,134	111,619	124,911	223,749	428,311	77,284	114,501		
Wire rod	5,049	6,889	8,676	30,588	101,219	11,928	31,162		
Wire products	24,033	22,863	32,209	28,730	66,453	11,969	14,296		
Structural shapes & units	24,731	23,257	27,847	32,160	41,548	9,089	12,367		
Rails & related products	71,525	101,373	111,614	260,750	495,007	93,438	142,194		
Pipe and tube	13,131	15,755	18,855	86,464	126,629	21,924	27,704		
Total	118,010	143,405	249,192	934,925	957,336	90,458	147,040		
Stainless & alloy tool steel:	930,390	1,089,590	2,062,933	4,573,757	4,389,815	1,051,568	1,307,861		
Stainless steel:									
Semifinished	953	2,181	2,833	13,829	6,472	1,517	10,354		
Plate	3,523	4,481	11,847	7,277	11,487	2,929	2,915		
Sheet and strip	29,617	55,981	45,571	45,653	58,368	14,576	19,079		
Bars & certain shapes	6,946	7,189	12,047	16,399	16,005	2,991	4,788		
Wire rod	828	1,328	1,486	5,505	5,413	1,878	1,779		
Wire	2,728	3,806	4,459	2,614	3,590	656	839		
Pipe and tube	3,040	6,751	6,198	8,067	13,443	2,840	3,199		
Tool steel (all forms)	2,144	3,061	4,502	8,067	13,443	2,840	3,199		
Total	49,779	86,778	88,943	117,836	119,381	28,274	46,560		

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 5.--Steel mill products and certain fabricated steel products: Apparent U.S. consumption, by product and grade of steel, 1986-1990, and by specified periods, 1990 and 1991 (Short tons)

Item	1986					1987					1988					1989					1990					January-March 1991				
All grades of steel:																														
Semifinished																														
Plate	3,510,686	3,808,668	4,711,207	3,657,244	3,782,196	807,067	1,042,709																							
Sheet and strip	4,952,031	5,518,075	9,081,631	8,099,535	9,033,894	2,197,742	1,934,674																							
Bars and certain shapes 1/	48,264,325	50,607,166	50,637,823	49,298,688	48,915,614	11,636,718	10,291,678																							
Wire rod	13,566,286	14,813,003	15,793,244	15,607,402	15,394,638	3,930,249	3,247,330																							
Wire	4,820,704	5,299,307	5,531,902	5,343,912	5,268,892	1,294,386	1,219,009																							
Wire products	1,357,521	1,920,375	2,121,014	2,139,808	1,899,011	529,654	405,689																							
Structural shapes & units	889,928	930,881	7,285,607	6,818,015	6,618,407	1,520,353	1,464,082																							
Rails & related products	6,635,764	7,172,010	7,285,607	7,81,292	7,41,519	189,360	201,977																							
Pipe and tube	902,776	7,744,880	7,915,880	6,040,901	6,770,200	1,640,922	1,889,247																							
Total	5,671,711	6,192,583	7,479,551	6,786,297	6,770,200	1,640,922	1,889,247																							
Carbon and certain alloy 2/	90,571,732	96,415,948	103,557,659	97,786,297	98,424,371	23,746,521	21,696,315																							
Semifinished																														
Plate	3,646,430	3,677,060	4,575,171	3,511,955	3,659,738	767,013	1,013,634																							
Sheet and strip	4,823,280	5,352,358	8,894,553	7,919,675	8,843,787	2,146,114	1,886,481																							
Bars and certain shapes	47,362,969	49,593,209	49,520,590	48,246,263	47,857,660	11,385,370	10,019,621																							
Wire rod	13,317,940	14,560,787	15,520,946	15,348,745	15,138,353	3,856,324	3,181,367																							
Wire	4,766,635	5,239,571	5,456,419	5,290,947	5,146,047	1,282,435	1,204,805																							
Wire products	1,318,052	1,287,363	2,075,234	2,096,403	1,861,082	520,105	396,397																							
Structural shapes & units	889,928	930,881	7,285,607	6,818,015	6,618,407	1,520,353	1,464,082																							
Rails & related products	6,635,764	7,172,010	7,285,607	7,81,292	7,41,519	189,360	201,977																							
Pipe and tube	902,776	7,744,880	7,915,880	6,040,901	6,770,200	1,640,922	1,889,247																							
Total	5,599,237	6,133,106	7,327,506	6,963,089	6,692,050	1,622,673	1,869,722																							
Stainless & alloy tool steel:	89,041,011	94,686,225	101,637,906	95,972,384	96,561,643	23,289,747	21,237,806																							
Stainless steel:																														
Semifinished																														
Plate	66,256	131,608	136,035	145,288	97,337	40,055	29,275																							
Sheet and strip	128,751	165,718	186,878	179,860	215,229	51,627	48,194																							
Bars & certain shapes	921,356	1,013,957	1,117,233	1,052,427	1,035,587	251,348	272,056																							
Wire rod	149,966	156,243	168,429	165,636	166,238	45,209	44,697																							
Wire	54,067	64,737	75,482	52,964	122,845	11,950	14,205																							
Wire products	39,668	42,012	45,780	43,405	37,929	9,549	9,292																							
Pipe and tube	72,474	59,477	86,044	77,312	75,150	18,320	19,527																							
Tool steel (all forms)	98,380	95,973	103,870	97,021	92,415	28,716	21,266																							
Total	1,530,718	1,729,725	1,919,751	1,813,913	1,862,730	456,774	458,512																							

1/ Includes tool steel.
 2/ Certain alloy refers to alloy steel other than stainless or tool steel.
 3/ Shipment and apparent consumption data for wire and wire products have been combined and are reported in the category designated "wire".

Source: Compiled from data of the American Iron & Steel Institute, and official statistics of the U.S. Department of Commerce.

Table 6.--Steel mill products and certain fabricated steel products: U.S. Imports as a percent of apparent consumption, by product and grade of steel, 1986-1990, and by specific periods, 1990 and 1991 (Percent)

Item	1986					1987					1988					1989					1990					January-March 1991									
All grades of steel:																																			
Semifinished:																																			
Plate	59.4	29.4	17.2	10.9	28.3	60.1	28.4	15.6	9.2	27.7	60.4	20.6	14.4	9.2	27.0	60.1	17.7	13.1	8.7	21.5	62.5	17.4	14.0	6.4	22.2	67.4	12.1	11.2	7.1	13.5	67.4	12.1	11.2	7.1	13.5
Sheet and strip	29.4	17.2	10.9	28.3	42.9	28.4	15.6	9.2	27.7	41.8	20.6	14.4	9.2	27.0	56.0	17.7	13.1	8.7	21.5	56.0	17.4	14.0	6.4	22.2	57.3	12.1	11.2	7.1	13.5	54.9	12.1	11.2	7.1	13.5	54.9
Bars & certain shapes 1/2	10.9	28.3	42.9	71.5	32.8	15.6	9.2	27.7	41.8	30.0	14.4	9.2	27.0	56.0	24.1	13.1	8.7	21.5	56.0	24.1	14.0	6.4	22.2	57.3	16.1	11.2	7.1	13.5	54.9	16.1	11.2	7.1	13.5	54.9	16.1
Wire rod	28.3	42.9	71.5	32.8	30.5	27.7	41.8	30.0	33.0	44.8	27.0	56.0	24.1	40.9	18.6	21.5	56.0	24.1	40.9	18.6	18.6	22.2	57.3	16.1	38.2	18.6	22.2	57.3	16.1	38.2	18.6	22.2	57.3	16.1	38.2
Wire products	71.5	32.8	30.5	44.8	23.5	41.8	30.0	33.0	44.8	21.7	30.0	33.0	44.8	21.1		56.0	24.1	40.9	18.6		57.3	16.1	38.2	16.3		57.3	16.1	38.2	16.3		57.3	16.1	38.2	16.3	
Structural shapes & units	32.8	30.5	44.8	23.5	60.0	30.0	33.0	44.8	21.1		30.0	33.0	44.8	21.1		24.1	40.9	18.6			15.4	38.2	16.3			15.4	38.2	16.3			15.4	38.2	16.3		
Rails & related products	30.5	44.8	23.5	60.0	60.0	33.0	44.8	21.1			33.0	44.8	21.1			41.3	40.8				47.1	38.2	16.3			47.1	38.2	16.3			47.1	38.2	16.3		
Pipe and tube	44.8	23.5	60.0	60.0	60.0	44.8	21.1				44.8	21.1				40.8	18.6				38.2	16.3				38.2	16.3				38.2	16.3			
Total	23.5	60.0	29.9	17.2	10.5	21.7	60.7	29.1	15.6	8.8	21.1	60.8	20.9	14.5	8.8	18.6	60.8	17.9	13.1	8.2	18.2	62.9	17.5	14.0	5.8	16.3	69.6	12.2	11.2	6.4	16.3	69.6	12.2	11.2	6.4
Carbon & certain alloy steel:																																			
Semifinished:																																			
Plate	60.0	29.9	17.2	10.5	28.2	60.7	29.1	15.6	8.8	27.7	60.8	20.9	14.5	8.8	27.0	60.8	17.9	13.1	8.2	21.3	62.9	17.5	14.0	5.8	21.9	69.6	12.2	11.2	6.4	13.1	69.6	12.2	11.2	6.4	13.1
Sheet and strip	29.9	17.2	10.5	28.2	42.8	29.1	15.6	8.8	27.7	41.7	20.9	14.5	8.8	27.0	56.1	17.9	13.1	8.2	21.3	56.1	17.5	14.0	5.8	21.9	57.5	12.2	11.2	6.4	13.1	55.0	12.2	11.2	6.4	13.1	55.0
Bars & certain shapes	10.5	28.2	42.8	71.5	32.8	8.8	27.7	41.7	69.8	30.0	8.8	27.0	56.0	24.1	40.8	8.2	21.3	56.1	24.1	40.8	8.2	21.9	57.5	16.1	38.2	8.2	21.9	57.5	16.1	38.2	8.2	21.9	57.5	16.1	38.2
Wire rod	28.2	42.8	71.5	32.8	30.5	27.7	41.7	69.8	30.0	44.8	27.0	56.0	24.1	40.8	18.6	21.3	56.1	24.1	40.8	18.6	21.9	57.5	16.1	38.2	16.3	21.9	57.5	16.1	38.2	16.3	21.9	57.5	16.1	38.2	16.3
Wire products	71.5	32.8	30.5	44.8	60.0	69.8	30.0	33.0	44.8	21.8	69.8	30.0	33.0	44.8	21.2	56.1	24.1	40.8	18.6		57.5	16.1	38.2	16.3		57.5	16.1	38.2	16.3		57.5	16.1	38.2	16.3	
Structural shapes & units	32.8	30.5	44.8	23.5	60.0	30.0	33.0	44.8	21.8		30.0	33.0	44.8	21.2		24.1	40.8	18.6			15.4	38.2	16.3			15.4	38.2	16.3			15.4	38.2	16.3		
Rails & related products	30.5	44.8	23.5	60.0	60.0	33.0	44.8	21.8			33.0	44.8	21.2			41.3	40.8				47.1	38.2	16.3			47.1	38.2	16.3			47.1	38.2	16.3		
Pipe and tube	44.8	23.5	60.0	60.0	60.0	44.8	21.8				44.8	21.2				40.8	18.6				38.2	16.3				38.2	16.3				38.2	16.3			
Total	23.5	60.0	29.9	17.2	10.5	21.8	60.7	29.1	15.6	8.8	21.2	60.8	20.9	14.5	8.8	18.6	60.8	17.9	13.1	8.2	18.2	62.9	17.5	14.0	5.8	16.3	69.6	12.2	11.2	6.4	16.3	69.6	12.2	11.2	6.4
Stainless & alloy tool steel:																																			
Semifinished:																																			
Plate	26.6	12.7	16.5	25.3	34.2	43.1	6.7	12.8	24.3	28.3	45.9	8.5	10.6	24.2	25.4	42.8	9.8	13.4	26.2	41.0	62.5	9.6	14.6	26.1	48.2	26.0	7.9	12.8	26.1	46.3	26.0	7.9	12.8	26.1	46.3
Sheet and strip	12.7	16.5	25.3	34.2	44.9	6.7	12.8	24.3	28.3	45.4	8.5	10.6	24.2	25.4	45.1	9.8	13.4	26.2	41.0	49.1	9.6	14.6	26.8	48.2	51.2	7.9	12.8	26.1	48.2	68.2	7.9	12.8	26.1	48.2	68.2
Bars & certain shapes	25.3	34.2	44.9	45.9	45.5	24.3	28.3	45.4	45.9	42.7	10.6	24.2	25.4	45.1	42.7	13.4	26.2	41.0	49.1	48.8	14.6	26.8	48.3	51.2	52.5	12.8	26.1	48.2	51.2	52.5	12.8	26.1	48.2	51.2	52.5
Wire rod	34.2	44.9	45.9	45.5	22.1	28.3	45.4	45.9	42.7	19.6	25.4	45.1	42.7	42.7	18.7	41.0	49.1	48.8	49.8	21.6	26.8	48.2	52.5	21.9		26.1	48.2	52.5	21.9		26.1	48.2	52.5	21.9	
Wire products	44.9	45.9	45.5	22.1		45.4	45.9	42.7	19.6		45.1	42.7	42.7	18.7		49.1	48.8	49.8	21.6		48.3	51.2	52.5	21.9		48.2	51.2	52.5	21.9		48.2	51.2	52.5	21.9	
Pipe and tube	45.9	45.5	22.1			45.9	42.7	19.6			42.7	42.7	18.7			48.8	49.8	21.6			62.8	52.5	21.9			58.0	52.5	21.9			58.0	52.5	21.9		
Tool steel (all forms)	45.5	22.1				42.7	19.6				42.7	18.7				49.8	21.6				52.5	21.9				58.0	20.6				58.0	20.6			
Total	22.1					19.6					18.7					21.6					21.9					20.6					20.6				

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

3/ Shipment and apparent consumption data for wire and wire products have been combined and are reported in the category designated "Wire".

Source: Compiled from data of the American Iron & Steel Institute, and official statistics of the U.S. Department of Commerce.

Table 7.--Steel mill products and certain fabricated steel products: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	274,578	310,503	63,439	116,157
Austria -----	86,486	146,207	22,447	57,033
Brazil -----	1,391,142	1,479,726	286,661	291,750
Czechoslovakia -----	25,693	7,985	1,264	4,898
East Germany -----	55,867	40,670	18,352	0
EC countries-----	5,676,977	5,541,445	1,033,288	1,217,276
Finland -----	216,716	218,907	63,767	50,259
Hungary -----	28,420	31,568	0	15,339
Japan -----	3,695,906	3,101,236	717,837	769,551
Mexico -----	467,605	689,256	190,887	186,829
Peoples Rep of China -----	62,028	58,185	15,353	6,932
Poland -----	72,786	59,850	11,233	18,711
Romania -----	49,451	46,272	1,672	30,828
Republic of South Africa ----	756	1,290	191	0
Korea, Republic of -----	1,191,970	1,517,953	322,144	479,443
Trinidad and Tobago -----	48,028	70,160	23,515	15,822
Venezuela -----	173,642	212,853	33,511	40,277
Yugoslavia -----	8,222	23,764	3,559	10,928
Total-----	13,526,273	13,557,830	2,809,120	3,312,033
Other countries:				
Canada -----	3,218,260	3,140,772	778,885	675,606
Sweden -----	254,507	295,107	49,556	70,730
Taiwan -----	164,019	211,819	50,477	58,605
Argentina -----	227,866	196,273	38,388	86,142
Turkey -----	211,804	143,581	43,716	15,837
India -----	106,110	108,323	24,536	14,584
New Zealand -----	78,564	106,104	23,049	37,647
Singapore -----	78,918	30,849	13,375	3,658
Indonesia -----	69,344	28,197	8,830	1,962
Philippines -----	213	19,422	10,405	1,698
All others-----	282,607	114,311	30,174	27,895
Total-----	4,692,212	4,394,758	1,071,391	994,364
Grand total-----	18,218,485	17,952,588	3,880,511	4,306,397

Table 7.--Steel mill products and certain fabricated steel products: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	126,633	121,748	22,637	44,076
Austria -----	67,871	90,019	16,769	30,084
Brazil -----	473,506	435,980	79,637	101,084
Czechoslovakia -----	8,890	2,590	489	2,191
East Germany -----	18,908	12,352	5,996	-
EC countries -----	2,945,914	2,752,129	545,484	631,791
Finland -----	91,999	104,734	26,182	21,451
Hungary -----	9,155	8,890	-	3,885
Japan -----	2,426,329	2,093,952	504,799	530,083
Mexico -----	252,029	323,139	88,846	79,946
Peoples Rep of China -----	34,627	33,905	8,280	4,779
Poland -----	26,614	21,186	4,184	5,683
Romania -----	17,374	14,742	641	9,774
Republic of South Africa -----	594	1,044	144	-
Korea, Republic of -----	638,311	726,203	173,455	225,483
Trinidad and Tobago -----	14,695	19,653	6,623	4,595
Venezuela -----	61,681	75,805	13,193	15,917
Yugoslavia -----	3,423	9,623	1,428	4,013
Total-----	7,218,553	6,847,694	1,498,787	1,714,835
Other countries:				
Canada -----	1,697,641	1,509,728	393,238	341,749
Sweden -----	278,349	254,885	60,185	63,765
Taiwan -----	107,331	135,854	35,553	36,633
Argentina -----	110,210	96,778	19,689	33,865
Turkey -----	65,996	45,013	13,114	5,074
India -----	45,816	52,088	12,228	8,494
New Zealand -----	41,302	42,416	11,008	14,439
Singapore -----	32,735	18,503	6,291	2,596
Indonesia -----	24,760	11,860	3,874	781
Philippines -----	281	7,852	4,032	662
All others -----	125,904	69,530	19,055	13,803
Total-----	2,530,325	2,244,507	578,267	521,861
Grand total-----	9,748,878	9,092,201	2,077,054	2,236,696

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 8.--Steel other than semifinished steel: ^{1/} U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January-March	
			1990	1991
Quantity (Short tons)				
VRA countries:				
Australia -----	205,832	180,756	26,935	73,432
Austria -----	86,486	146,205	22,447	57,033
Brazil -----	724,260	666,423	74,588	115,938
Czechoslovakia -----	25,693	7,985	1,264	4,898
East Germany -----	55,867	40,670	18,352	0
EC-----	4,732,130	4,668,534	819,108	1,004,622
Finland -----	182,165	212,524	63,767	40,332
Hungary -----	28,420	31,568	0	15,339
Japan -----	3,608,721	3,089,983	716,436	768,317
Mexico -----	390,447	453,247	132,463	94,927
Peoples Rep of China -----	62,023	58,174	15,341	6,932
Poland -----	72,493	59,762	11,233	18,711
Romania -----	49,451	46,272	1,672	30,828
Republic of South Africa ----	750	1,290	191	0
Korea, Republic of -----	1,125,936	1,517,796	322,126	479,443
Trinidad and Tobago -----	48,028	70,160	23,515	15,822
Venezuela -----	125,160	212,853	33,511	40,277
Yugoslavia -----	8,222	23,764	3,559	10,928
Total-----	11,532,084	11,487,966	2,286,508	2,777,779
Other countries:				
Canada -----	3,098,487	2,925,468	761,006	641,610
Sweden -----	183,284	218,199	46,130	43,029
Taiwan -----	164,018	211,797	50,455	58,604
Argentina -----	227,011	196,130	38,388	86,142
Turkey -----	211,804	143,581	43,716	15,837
India -----	106,110	108,323	24,536	14,584
New Zealand -----	78,564	106,103	23,049	37,647
Singapore -----	78,918	30,849	13,375	3,658
Indonesia -----	69,344	28,197	8,830	1,962
Philippines -----	213	19,422	10,405	1,698
All others-----	270,837	113,731	29,940	27,894
Total-----	4,488,590	4,101,800	1,049,830	932,665
Grand total-----	16,020,674	15,589,766	3,336,338	3,710,444

See footnotes at end of table.

Table 8.--Steel other than semifinished steel: 1/ U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989		1990		January-March	
					1990	1991
Import/consumption ratio (percent)						
VRA countries:						
Australia -----	.2	.2	.1	.4		
Austria -----	.1	.2	.1	.3		
Brazil -----	.8	.7	.3	.6		
Czechoslovakia -----	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>		
East Germany -----	.1	<u>2/</u>	.1	<u>2/</u>		
EC-----	5.1	5.0	3.6	4.9		
Finland -----	.2	.2	.3	.2		
Hungary -----	<u>2/</u>	<u>2/</u>	<u>2/</u>	.1		
Japan -----	3.9	3.3	3.1	3.8		
Mexico -----	.4	.5	.6	.5		
Peoples Rep of China -----	.1	.1	.1	<u>2/</u>		
Poland -----	.1	.1	<u>2/</u>	.1		
Romania -----	.1	<u>2/</u>	<u>2/</u>	.2		
Republic of South Africa -----	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>		
Korea, Republic of -----	1.2	1.6	1.4	2.3		
Trinidad and Tobago -----	.1	.1	.1	.1		
Venezuela -----	.1	.2	.1	.2		
Yugoslavia -----	<u>2/</u>	<u>2/</u>	<u>2/</u>	.1		
Total-----	12.4	12.2	10.0	13.6		
Other countries:						
Canada -----	3.3	3.1	3.3	3.1		
Sweden -----	.2	.2	.2	.2		
Taiwan -----	.2	.2	.2	.3		
Argentina -----	.2	.2	.2	.4		
Turkey -----	.2	.2	.2	.1		
India -----	.1	.1	.1	.1		
New Zealand -----	.1	.1	.1	.2		
Singapore -----	.1	<u>2/</u>	.1	<u>2/</u>		
Indonesia -----	.1	<u>2/</u>	<u>2/</u>	<u>2/</u>		
Philippines -----	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>		
All others-----	.3	.1	.1	.1		
Total-----	4.8	4.4	4.6	4.6		
Grand total-----	17.2	16.6	14.7	18.1		

1/ Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.

2/ Less than 0.05 percent.

Source: Compiled from data of the American Iron and Steel Institute and from official statistics of the U.S. Department of Commerce.

Table 9.--Semifinished steel: 1/ U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Source	Unadjusted 1991 Ceiling 2/	Quantity (short tons)			
		1989	1990	1990	January--March 1991
VRA countries:					
Australia	139,781	68,747	129,746	36,504	42,724
Austria	3/	0	2	0	0
Brazil	848,870	666,882	813,302	212,073	175,811
Czechoslovakia	3/	0	0	0	0
East Germany	3/	0	0	0	0
EC Countries	610,538	944,846	872,912	214,179	212,654
Finland	12,853	34,551	6,383	0	9,927
Hungary	3/	0	0	0	0
Japan	88,367	87,185	11,253	1,401	1,235
Mexico	271,127	77,158	236,008	58,424	91,902
Peoples Rep of China	3/	5	12	12	0
Poland	3/	293	87	0	0
Romania	3/	0	0	0	0
Republic of South Africa	3/	7	0	0	0
Korea, Republic of	272,131	66,033	156	17	0
Trinidad and Tobago	26,250	0	0	0	0
Venezuela	69,288	48,482	0	0	0
Yugoslavia	3/	0	0	0	0
Total	5/	1,994,189	2,069,861	522,610	534,253
Other countries:					
Canada	5/	119,773	215,304	17,879	33,996
Sweden	3/	71,223	76,909	3,426	27,701
Switzerland	3/	31	508	231	0
Argentina	3/	855	143	0	0
Peru	3/	0	47	0	0
Taiwan	3/	0	22	22	0
Chile	3/	0	17	0	1
Norway	3/	5,877	6	0	0
New Zealand	3/	0	1	0	0
Soviet Union	3/	5,860	0	0	0
All others	3/	0	0	0	0
Total	5/	203,619	292,957	21,558	61,698
Grand total	5/	2,197,808	2,362,818	544,168	595,951

1/ Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.

2/ Restraint level applicable to 12-month period ending December 31, 1991.

3/ No explicit semifinished steel provisions.

4/ The United States did not renew its voluntary restraint agreement with South Africa. See preface and notes for explanation.

5/ Not applicable.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 10.--Carbon and certain alloy 1/ semifinished steel: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	68,747	129,746	36,504	42,724
Austria -----	0	2	0	0
Brazil -----	666,882	813,302	212,073	175,811
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	930,852	852,870	214,126	211,682
Finland -----	34,551	6,383	0	9,927
Hungary -----	0	0	0	2/
Japan -----	86,487	9,574	1,279	8
Mexico -----	76,982	235,733	58,306	91,886
Peoples Rep of China -----	5	12	12	0
Poland -----	0	45	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	7	0	0	0
Korea, Republic of -----	66,033	72	17	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	48,482	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	1,979,028	2,047,739	522,317	532,038
Other countries:				
Canada -----	83,218	188,925	11,181	26,486
Sweden -----	60,821	64,589	2/	23,530
Switzerland -----	31	508	231	0
Argentina -----	855	143	0	0
Peru -----	0	47	0	0
Taiwan -----	0	21	21	2/
Chile -----	0	17	0	0
Norway -----	5,877	6	0	0
New Zealand -----	0	2/	0	0
Soviet Union -----	5,860	0	0	0
Total-----	156,662	254,256	11,433	50,016
Grand total-----	2,135,690	2,301,995	533,750	582,054

See footnote(s) at end of table.

Table 10.--Carbon and certain alloy ^{1/} semifinished steel: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	14,426	26,553	7,769	10,495
Austria -----	0	69	0	0
Brazil -----	166,678	179,191	46,245	50,630
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	244,360	209,194	51,830	49,555
Finland -----	10,811	1,679	0	2,668
Hungary -----	0	0	0	1
Japan -----	24,972	3,965	1,638	30
Mexico -----	19,722	52,447	12,400	20,558
Peoples Rep of China -----	7	12	12	0
Poland -----	0	17	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	18	0	0	0
Korea, Republic of -----	16,133	44	23	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	10,072	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	507,199	473,171	119,917	133,937
Other countries:				
Canada -----	27,484	51,160	4,082	8,305
Sweden -----	15,249	13,109	7	4,834
Switzerland -----	155	544	255	0
Argentina -----	336	116	0	0
Peru -----	0	44	0	0
Taiwan -----	0	25	25	5
Chile -----	0	7	0	0
Norway -----	1,288	40	0	0
New Zealand -----	0	7	0	0
Soviet Union -----	843	0	0	0
Total-----	45,355	65,052	4,369	13,144
Grand total-----	552,554	538,223	124,286	147,081

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

^{2/} Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 11.--Carbon and certain alloy 1/ steel plate: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	4,634	3,690	1,332	513
Austria -----	5,851	2,243	378	18
Brazil -----	134,769	86,554	3,305	17,156
Czechoslovakia -----	17,274	5,673	0	1,519
East Germany -----	10,342	11,859	4,401	0
EC countries-----	521,489	654,277	100,430	173,433
Finland -----	108,885	111,410	29,246	15,554
Hungary -----	15,300	16,333	0	7,997
Japan -----	45,639	32,833	8,187	9,222
Mexico -----	26,919	42,547	10,932	3,582
Peoples Rep of China -----	0	0	0	0
Poland -----	28,960	26,695	1,754	5,401
Romania -----	35,438	31,650	0	23,281
Republic of South Africa ----	0	0	0	0
Korea, Republic of -----	46,109	36,677	8,222	9,722
Trinidad and Tobago -----	2,204	0	0	0
Venezuela -----	10,033	13,467	0	1,402
Yugoslavia -----	0	10,371	0	5,510
Total-----	1,013,846	1,086,279	168,187	274,310
Other countries:				
Canada -----	266,881	271,734	60,260	52,930
Sweden -----	78,601	118,078	21,376	17,911
India -----	53,828	62,315	11,017	0
New Zealand -----	5,544	10,818	882	2,720
Argentina -----	233	2,817	0	7,696
Gabon -----	0	17	0	0
Antigua -----	0	12	0	0
Soviet Union -----	0	0	0	18
Turkey -----	193	0	0	0
Indonesia -----	267	0	0	0
All others-----	<u>2/</u>	0	0	0
Total-----	405,547	465,791	93,535	81,275
Grand total-----	1,419,393	1,552,070	261,722	355,585

See footnote(s) at end of table.

Table 11.--Carbon and certain alloy 1/ steel plate: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	2,371	1,566	580	211
Austria -----	2,465	947	308	43
Brazil -----	44,586	30,212	1,154	6,081
Czechoslovakia -----	5,498	1,595	0	446
East Germany -----	3,312	3,431	1,304	0
EC countries -----	215,157	241,057	40,343	58,764
Finland -----	39,347	39,135	9,728	5,441
Hungary -----	4,847	4,597	0	1,956
Japan -----	27,889	22,038	5,800	5,859
Mexico -----	10,816	14,222	3,583	1,174
Peoples Rep of China -----	0	0	0	0
Poland -----	9,915	8,134	601	1,611
Romania -----	11,827	9,354	0	6,919
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	17,725	11,850	2,994	2,843
Trinidad and Tobago -----	630	0	0	0
Venezuela -----	3,172	3,309	0	621
Yugoslavia -----	0	3,654	0	1,481
Total-----	399,557	395,101	66,395	93,450
Other countries:				
Canada -----	109,513	97,947	23,247	18,660
Sweden -----	39,192	51,528	9,688	8,415
India -----	17,706	20,630	3,793	0
New Zealand -----	1,671	2,725	237	630
Argentina -----	81	678	0	1,451
Gabon -----	0	11	0	0
Antigua -----	0	17	0	0
Soviet Union -----	0	0	0	4
Turkey -----	88	0	0	0
Indonesia -----	125	0	0	0
All others-----	6	0	0	0
Total-----	168,382	173,536	36,965	29,160
Grand total-----	567,939	568,637	103,360	122,610

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 12.--Carbon and certain alloy 1/₂ steel sheet and strip: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	173,844	150,452	18,170	64,267
Austria -----	44,936	96,064	7,050	24,841
Brazil -----	374,903	274,960	12,835	37,466
Czechoslovakia -----	10	0	0	0
East Germany -----	26,330	15,024	9,844	0
EC countries -----	1,968,270	2,085,036	278,095	440,106
Finland -----	56,876	78,656	27,420	22,329
Hungary -----	11,903	15,187	0	7,320
Japan -----	2,050,376	1,833,821	435,161	422,464
Mexico -----	117,694	129,930	44,082	27,834
Peoples Rep of China -----	456	84	72	0
Poland -----	0	0	0	0
Romania -----	52	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	375,727	850,043	152,366	265,379
Trinidad and Tobago -----	0	532	0	0
Venezuela -----	59,756	82,810	5,968	14,205
Yugoslavia -----	32	917	35	130
Total-----	5,261,165	5,613,516	991,098	1,326,341
Other countries:				
Canada -----	858,289	807,843	210,051	177,853
Taiwan -----	48,988	94,953	25,602	29,974
New Zealand -----	61,556	92,303	21,075	34,423
Argentina -----	27,348	48,399	7,876	38,923
Sweden -----	21,448	32,381	6,346	7,826
Norway -----	20,341	14,291	3,892	3,070
Philippines -----	0	6,561	6,561	0
Switzerland -----	46	632	2	143
Antigua -----	0	451	75	0
Colombia -----	0	381	0	0
All others-----	3,664	448	252	346
Total-----	1,041,680	1,098,643	281,732	292,558
Grand total-----	6,302,845	6,712,159	1,272,830	1,618,899

See footnote(s) at end of table.

Table 12.--Carbon and certain alloy ¹/₂ steel sheet and strip: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	96,817	80,384	10,694	30,616
Austria -----	18,681	34,421	2,951	7,267
Brazil -----	149,482	95,336	5,578	14,646
Czechoslovakia -----	3	0	0	0
East Germany -----	9,790	5,395	3,557	0
EC countries-----	951,315	919,785	140,587	190,330
Finland -----	22,393	26,096	7,735	9,172
Hungary -----	3,739	4,208	0	1,860
Japan -----	1,198,546	1,065,285	264,360	237,887
Mexico -----	69,852	76,165	26,821	16,437
Peoples Rep of China -----	211	137	45	0
Poland -----	0	0	0	0
Romania -----	36	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	163,713	318,809	68,399	101,009
Trinidad and Tobago -----	0	252	0	0
Venezuela -----	26,436	30,280	3,173	4,797
Yugoslavia -----	17	540	26	101
Total-----	2,711,031	2,657,093	533,926	614,122
Other countries:				
Canada -----	403,293	358,257	97,265	79,200
Taiwan -----	22,887	47,025	13,751	13,719
New Zealand -----	27,435	36,404	9,417	13,431
Argentina -----	14,390	19,554	3,169	12,715
Sweden -----	28,193	30,770	6,342	8,824
Norway -----	12,185	8,452	2,354	1,756
Philippines -----	0	2,334	2,334	0
Switzerland -----	80	688	37	210
Antigua -----	0	261	43	0
Colombia -----	0	222	0	0
All others-----	2,195	347	194	126
Total-----	510,658	504,314	134,906	129,981
Grand total-----	3,221,689	3,161,407	668,832	744,103

¹/₂ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 13.--Carbon and certain alloy 1/ steel bars and light shapes: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	1,433	996	0	897
Austria -----	541	355	135	173
Brazil -----	50,035	84,587	12,008	23,890
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	323,125	304,883	43,238	40,864
Finland -----	4,080	2,795	1,001	472
Hungary -----	0	0	0	0
Japan -----	131,880	92,407	21,111	24,872
Mexico -----	16,066	13,193	2,073	2,522
Peoples Rep of China -----	3,916	5,516	1,011	635
Poland -----	2,648	2,212	373	150
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	62,652	39,102	15,179	6,801
Trinidad and Tobago -----	16,501	31,873	11,100	2,866
Venezuela -----	10,391	32,482	4,863	2,494
Yugoslavia -----	0	0	0	0
Total-----	623,268	610,401	112,092	106,636
Other countries:				
Canada -----	398,631	339,393	87,551	76,790
Turkey -----	109,153	31,970	9,364	6,898
Argentina -----	48,289	22,515	6,931	4,313
India -----	10,492	9,639	4,210	1,822
Colombia -----	7	6,748	0	6,833
Sweden -----	3,385	4,759	1,314	1,145
Indonesia -----	3,133	4,500	0	0
Malaysia -----	1,847	2,300	328	286
Singapore -----	20,159	1,883	1,861	0
Taiwan -----	11,752	445	100	145
All others -----	34,190	700	138	39
Total-----	641,038	424,852	111,797	98,271
Grand total-----	1,264,306	1,035,253	223,889	204,907

See footnote(s) at end of table.

Table 13.--Carbon and certain alloy ^{1/} steel bars and light shapes: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	669	349	0	345
Austria -----	1,024	876	307	326
Brazil -----	22,335	32,948	5,421	9,642
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	169,448	156,915	24,614	23,845
Finland -----	3,241	2,847	1,143	400
Hungary -----	0	0	0	0
Japan -----	73,081	59,060	13,449	16,291
Mexico -----	5,814	4,441	939	955
Peoples Rep of China -----	1,526	2,544	545	295
Poland -----	1,517	1,418	216	128
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	19,087	12,671	4,923	2,106
Trinidad and Tobago -----	5,232	8,785	3,051	1,101
Venezuela -----	3,868	9,546	1,384	1,583
Yugoslavia -----	0	0	0	0
Total-----	306,842	292,400	55,992	57,017
Other countries:				
Canada -----	173,249	146,887	38,878	34,678
Turkey -----	32,827	11,117	2,580	2,303
Argentina -----	18,563	8,873	2,558	1,570
India -----	4,650	4,806	2,075	1,014
Colombia -----	11	1,782	0	1,794
Sweden -----	3,160	7,100	2,070	1,838
Indonesia -----	862	1,264	0	0
Malaysia -----	733	883	129	111
Singapore -----	7,950	544	536	0
Taiwan -----	4,724	268	53	92
All others-----	9,549	615	170	68
Total-----	256,278	184,139	49,049	43,468
Grand total-----	563,120	476,539	105,041	100,485

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 14.--Carbon and certain alloy $\frac{1}{2}$ steel wire rod: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	10,783	9,962	3,859	6,656
Austria -----	1,108	0	0	0
Brazil -----	57,858	70,254	11,610	1,097
Czechoslovakia -----	2,197	0	0	0
East Germany -----	12,583	11,934	3,229	0
EC countries-----	212,925	147,053	45,869	16,499
Finland -----	108	0	0	0
Hungary -----	67	0	0	0
Japan -----	201,891	182,818	39,714	46,768
Mexico -----	32,373	30,162	12,655	0
Peoples Rep of China -----	25	79	0	26
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	176	18	0	0
Trinidad and Tobago -----	29,203	36,782	12,059	12,956
Venezuela -----	2,065	16,071	3,646	3,249
Yugoslavia -----	0	0	0	0
Total-----	563,362	505,133	132,641	87,251
Other countries:				
Canada -----	400,938	344,955	112,614	63,188
Turkey -----	75,596	89,832	27,871	4,010
Sweden -----	15,095	8,556	1,748	3,440
Singapore -----	29,776	5,197	5,197	0
Taiwan -----	10,071	1,471	224	193
Argentina -----	276	877	771	84
New Zealand -----	0	87	0	0
Switzerland -----	0	3	0	5
Egypt -----	3,157	0	0	0
Indonesia -----	29,923	0	0	0
All others-----	220	0	0	19
Total-----	565,052	450,978	148,425	70,939
Grand total-----	1,128,414	956,111	281,066	158,190

See footnote(s) at end of table.

Table 14.--Carbon and certain alloy $\frac{1}{2}$ steel wire rod: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	2,439	2,605	1,019	1,722
Austria -----	297	0	0	0
Brazil -----	16,652	18,309	3,273	308
Czechoslovakia -----	549	0	0	0
East Germany -----	3,014	2,762	778	0
EC countries-----	82,681	55,449	16,126	7,163
Finland -----	35	0	0	0
Hungary -----	30	0	0	0
Japan -----	96,067	83,354	18,776	21,488
Mexico -----	8,234	8,000	3,444	0
Peoples Rep of China -----	7	34	0	11
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	112	11	0	0
Trinidad and Tobago -----	8,770	10,312	3,453	3,494
Venezuela -----	594	3,996	950	861
Yugoslavia -----	0	0	0	0
Total-----	219,481	184,832	47,819	35,047
Other countries:				
Canada -----	145,073	122,558	40,098	21,065
Turkey -----	20,896	23,185	7,248	1,016
Sweden -----	12,842	7,389	1,605	2,734
Singapore -----	9,390	1,678	1,678	0
Taiwan -----	4,247	555	87	87
Argentina -----	137	378	325	30
New Zealand -----	0	15	0	0
Switzerland -----	0	1	0	9
Egypt -----	920	0	0	0
Indonesia -----	8,363	0	0	0
All others-----	167	0	0	9
Total-----	202,035	155,759	51,041	24,950
Grand total-----	421,516	340,591	98,860	59,997

$\frac{1}{2}$ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 15.--Carbon and certain alloy 1/ steel wire: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	4,189	4,849	1,322	731
Austria -----	1,782	1,612	322	234
Brazil -----	9,397	8,504	2,880	2,864
Czechoslovakia -----	24	0	0	0
East Germany -----	0	0	0	0
EC countries-----	139,816	115,313	30,821	22,450
Finland -----	368	660	228	0
Hungary -----	0	0	0	0
Japan -----	67,924	63,483	18,237	15,509
Mexico -----	1,407	3,259	593	881
Peoples Rep of China -----	12,165	8,228	3,166	1,129
Poland -----	201	122	44	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	7,512	4,003	1,333	1,265
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	5,906	6,092	1,580	1,463
Yugoslavia -----	0	0	0	0
Total-----	250,691	216,125	60,526	46,526
Other countries:				
Canada -----	183,779	160,741	44,357	38,172
Argentina -----	11,276	11,209	2,463	1,814
Taiwan -----	3,548	8,060	1,467	2,585
Sweden -----	7,601	7,240	2,008	2,116
India -----	5,266	6,759	1,779	2,477
Norway -----	1,328	996	585	0
Chile -----	3,630	888	383	201
Switzerland -----	1,653	679	296	2
Indonesia -----	131	329	88	112
Dominican Republic -----	376	307	85	137
All others-----	3,705	673	180	110
Total-----	222,293	197,881	53,691	47,726
Grand total-----	472,984	414,006	114,217	94,252

See footnote(s) at end of table.

Table 15.--Carbon and certain alloy 1/ steel wire: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	1,844	2,060	546	336
Austria -----	2,976	3,178	650	592
Brazil -----	5,122	4,409	1,384	1,559
Czechoslovakia -----	16	0	0	0
East Germany -----	0	0	0	0
EC countries-----	126,019	109,254	29,215	23,300
Finland -----	198	396	143	0
Hungary -----	0	0	0	0
Japan -----	57,930	56,537	16,177	13,158
Mexico -----	914	1,991	371	553
Peoples Rep of China -----	5,530	3,797	1,441	553
Poland -----	129	73	32	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	4,890	3,162	910	886
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	3,410	3,330	905	736
Yugoslavia -----	0	0	0	0
Total-----	208,978	188,187	51,774	41,673
Other countries:				
Canada -----	112,002	97,290	27,803	22,968
Argentina -----	5,051	4,983	1,129	779
Taiwan -----	3,186	4,897	997	1,533
Sweden -----	9,482	8,990	2,377	2,454
India -----	1,974	2,752	620	1,409
Norway -----	1,095	773	457	0
Chile -----	2,041	524	253	114
Switzerland -----	1,062	437	179	27
Indonesia -----	64	150	34	48
Dominican Republic -----	106	32	8	18
All others-----	1,961	487	84	69
Total-----	138,024	121,315	33,941	29,419
Grand total-----	347,002	309,502	85,715	71,092

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 16.--Carbon and certain alloy 1/ steel wire products: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	20	37	2/	2
Austria -----	4,043	3,158	882	503
Brazil -----	10,401	12,446	3,112	3,412
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	86,677	78,806	21,402	16,094
Finland -----	51	2	2/	2/
Hungary -----	42	18	0	0
Japan -----	52,650	59,622	14,977	12,841
Mexico -----	24,461	34,023	8,175	7,020
Peoples Rep of China -----	42,981	42,136	10,686	4,539
Poland -----	15,255	9,780	3,043	1,677
Romania -----	0	0	0	0
Republic of South Africa -----	730	0	0	0
Korea, Republic of -----	178,804	185,686	51,636	41,569
Trinidad and Tobago -----	0	295	189	0
Venezuela -----	16,639	13,415	3,222	1,746
Yugoslavia -----	5,961	5,188	1,642	757
Total-----	438,715	444,612	118,966	90,160
Other countries:				
Canada -----	114,763	98,435	28,385	17,953
Indonesia -----	27,489	22,699	8,742	1,850
Taiwan -----	17,331	14,687	4,500	2,134
Argentina -----	16,702	14,584	2,844	2,576
Turkey -----	10,713	12,540	4,560	1,696
United Arab Emirates -----	14,854	10,333	3,523	1,234
Chile -----	8,642	7,333	1,797	558
Thailand -----	20,808	6,188	2,900	88
Oman -----	2,031	5,706	1,135	2,017
Saudi Arabia -----	8,784	5,230	2,041	424
All others-----	22,771	17,977	5,533	3,176
Total-----	264,888	215,712	65,960	33,706
Grand total-----	703,603	660,324	184,926	123,866

See footnote(s) at end of table.

Table 16.--Carbon and certain alloy ^{1/} steel wire products: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	37	83	8	11
Austria -----	8,634	8,029	2,357	1,463
Brazil -----	6,038	6,663	1,588	1,874
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	135,555	146,208	40,145	30,062
Finland -----	67	8	6	2
Hungary -----	23	7	0	0
Japan -----	97,473	108,050	27,473	24,346
Mexico -----	17,781	26,856	6,574	5,774
Peoples Rep of China -----	25,832	24,600	5,958	3,301
Poland -----	5,354	3,967	1,150	662
Romania -----	0	0	0	0
Republic of South Africa ----	558	0	0	0
Korea, Republic of -----	158,567	161,962	43,708	34,777
Trinidad and Tobago -----	0	116	74	0
Venezuela -----	5,224	5,173	1,136	612
Yugoslavia -----	2,456	2,111	584	289
Total-----	463,599	493,833	130,761	103,173
Other countries:				
Canada -----	93,747	83,213	23,527	14,929
Indonesia -----	11,595	10,045	3,840	733
Taiwan -----	19,677	16,622	4,782	2,608
Argentina -----	8,930	7,665	1,592	1,256
Turkey -----	5,485	6,588	2,400	348
United Arab Emirates -----	5,992	5,102	1,767	565
Chile -----	4,476	4,202	957	331
Thailand -----	9,521	3,459	1,720	100
Oman -----	871	2,509	523	650
Saudi Arabia -----	3,255	2,227	856	174
All others-----	25,782	22,540	6,643	4,349
Total-----	189,331	164,172	48,607	26,043
Grand total-----	652,930	658,005	179,368	129,216

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

^{2/} Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 17.--Carbon and certain alloy 1/ steel structural shapes and units: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	312	41	0	2/
Austria -----	684	274	102	60
Brazil -----	11,638	6,509	2,304	1,793
Czechoslovakia -----	0	0	0	0
East Germany -----	92	0	0	0
EC countries-----	790,065	537,513	118,052	71,421
Finland -----	2,669	12	0	0
Hungary -----	0	0	0	0
Japan -----	373,632	114,932	28,603	9,828
Mexico -----	17,588	36,696	8,892	5,482
Peoples Rep of China -----	874	1,477	360	42
Poland -----	20,441	15,062	3,798	9,789
Romania -----	168	113	16	62
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	81,616	8,147	1,285	5,033
Trinidad and Tobago -----	120	678	165	0
Venezuela -----	112	183	69	46
Yugoslavia -----	0	0	0	0
Total-----	1,300,011	721,637	163,646	103,556
Other countries:				
Canada -----	249,815	278,669	74,262	68,818
Taiwan -----	6,899	5,365	1,172	348
Argentina -----	30,494	5,353	3,126	4,391
Singapore -----	1,102	3,741	642	180
Sweden -----	991	1,493	148	159
New Zealand -----	8,945	1,448	860	105
Norway -----	31,897	1,121	0	3
India -----	1,743	553	168	84
Switzerland -----	153	489	24	20
Israel -----	195	365	0	0
All others-----	8,118	361	123	551
Total-----	340,352	298,958	80,525	74,659
Grand total-----	1,640,363	1,020,595	244,171	178,215

See footnote(s) at end of table.

Table 17.--Carbon and certain alloy 1/ steel structural shapes and units: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	902	107	0	4
Austria -----	1,780	1,451	398	278
Brazil -----	5,564	3,255	854	780
Czechoslovakia -----	0	0	0	0
East Germany -----	28	0	0	0
EC countries -----	308,492	208,048	45,741	35,282
Finland -----	4,129	38	0	0
Hungary -----	0	0	0	0
Japan -----	159,837	58,791	15,927	7,789
Mexico -----	8,817	20,750	6,720	2,203
Peoples Rep of China -----	669	1,314	246	43
Poland -----	6,446	4,249	1,048	2,502
Romania -----	73	42	7	39
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	43,704	6,405	1,017	3,820
Trinidad and Tobago -----	63	188	45	0
Venezuela -----	83	120	19	41
Yugoslavia -----	0	0	0	0
Total -----	540,587	304,758	72,022	52,781
Other countries:				
Canada -----	154,010	152,709	40,452	34,468
Taiwan -----	6,383	4,170	1,232	346
Argentina -----	10,137	1,910	1,249	1,183
Singapore -----	1,013	4,822	884	276
Sweden -----	2,805	3,238	433	502
New Zealand -----	10,505	1,848	1,046	128
Norway -----	10,401	202	0	31
India -----	1,195	466	132	70
Switzerland -----	306	1,607	128	70
Israel -----	865	427	0	0
All others -----	2,723	365	50	180
Total -----	200,343	171,764	45,606	37,254
Grand total -----	740,930	476,522	117,628	90,035

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 18.--Carbon and certain alloy $\frac{1}{2}$ steel rails and related products: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	3,567	3,657	784	358
Austria -----	5,805	6,319	725	506
Brazil -----	2,942	1,336	451	299
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	53,518	44,423	12,529	15,612
Finland -----	0	3	2/	0
Hungary -----	0	30	0	22
Japan -----	83,624	87,191	23,881	28,266
Mexico -----	380	96	9	8
Peoples Rep of China -----	455	94	45	55
Poland -----	105	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	20	1,290	191	0
Korea, Republic of -----	6,670	4,025	953	906
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total -----	157,086	148,464	39,568	46,032
Other countries:				
Canada -----	151,966	200,252	32,372	30,407
Sweden -----	876	331	127	24
Taiwan -----	417	246	54	93
Turkey -----	22	86	86	0
Colombia -----	77	73	15	18
Israel -----	20	23	0	0
Netherlands Antilles -----	0	20	0	0
Chile -----	48	15	5	0
United Arab Emirates -----	0	15	0	0
Switzerland -----	4	11	8	310
All others-----	12,468	18	16	0
Total -----	165,898	201,090	32,683	30,852
Grand total -----	322,984	349,554	72,251	76,884

See footnote(s) at end of table.

Table 18.--Carbon and certain alloy ^{1/} steel rails and related products: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	3,841	3,664	914	275
Austria -----	3,284	4,696	963	538
Brazil -----	2,544	1,128	391	224
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	28,589	26,170	7,240	9,045
Finland -----	0	42	9	0
Hungary -----	0	78	0	68
Japan -----	46,028	48,194	13,192	15,195
Mexico -----	380	163	17	17
Peoples Rep of China -----	221	67	32	33
Poland -----	49	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	14	1,044	144	0
Korea, Republic of -----	3,408	2,141	608	584
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	88,358	87,387	23,510	25,979
Other countries:				
Canada -----	59,757	47,317	6,425	9,434
Sweden -----	600	512	143	56
Taiwan -----	797	561	106	267
Turkey -----	13	58	58	0
Colombia -----	258	271	50	82
Israel -----	25	12	0	0
Netherlands Antilles -----	0	29	0	0
Chile -----	25	8	3	0
United Arab Emirates -----	0	10	0	0
Switzerland -----	61	71	28	195
All others-----	2,107	51	37	0
Total-----	63,643	48,900	6,850	10,034
Grand total-----	152,001	136,287	30,360	36,013

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

^{2/} Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 19.--Carbon and certain alloy 1/2 steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	7,022	6,529	1,468	6
Austria -----	17,756	32,169	11,997	28,877
Brazil -----	64,098	111,315	24,192	26,280
Czechoslovakia -----	6,156	2,312	1,264	3,260
East Germany -----	6,520	1,850	878	0
EC countries-----	504,008	573,065	142,007	169,252
Finland -----	6,000	3,187	2,479	358
Hungary -----	1,109	0	0	0
Japan -----	507,942	540,343	107,471	174,062
Mexico -----	138,081	140,133	33,376	41,612
Peoples Rep of China -----	973	0	0	311
Poland -----	4,658	5,603	2,136	1,636
Romania -----	13,778	14,509	1,656	7,485
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	353,671	374,528	87,603	142,577
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	20,192	48,020	14,130	15,631
Yugoslavia -----	2,226	7,214	1,882	4,443
Total-----	1,654,190	1,860,777	432,539	615,790
Other countries:				
Canada -----	451,459	400,098	105,275	107,836
Argentina -----	89,608	90,315	14,361	26,344
Taiwan -----	60,719	77,484	15,196	19,864
Singapore -----	27,492	18,962	5,451	3,144
India -----	25,404	18,466	4,549	8,340
Sweden -----	21,424	16,887	5,382	3,595
Israel -----	9,397	13,819	6,971	5,019
Philippines -----	37	12,650	3,753	1,698
Thailand -----	34,384	11,312	0	1,139
Turkey -----	16,107	9,010	1,835	3,233
All others-----	45,323	12,408	2,407	3,755
Total-----	781,354	681,411	165,180	183,967
Grand total-----	2,435,544	2,542,188	597,719	799,757

See footnote(s) at end of table.

Table 19.--Carbon and certain alloy ¹/₂ steel pipe and tube: U.S. imports for
U.S. imports for consumption, by specified sources 1989, 1990, and by specified
periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	3,151	3,059	1,088	2
Austria -----	13,811	20,476	5,585	13,730
Brazil -----	36,362	45,081	9,349	12,613
Czechoslovakia -----	2,779	994	489	1,567
East Germany -----	2,763	756	358	0
EC countries-----	330,377	363,826	85,629	111,223
Finland -----	2,987	1,719	1,263	214
Hungary -----	517	0	0	0
Japan -----	378,193	368,363	73,515	125,257
Mexico -----	74,372	72,723	17,038	22,209
Peoples Rep of China -----	360	0	0	133
Poland -----	2,105	2,372	852	600
Romania -----	5,411	5,346	634	2,816
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	176,982	174,638	43,004	65,289
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	8,737	19,623	5,570	6,611
Yugoslavia -----	946	3,154	818	1,910
Total-----	1,039,853	1,082,130	245,192	364,174
Other countries:				
Canada -----	281,447	243,046	62,656	71,317
Argentina -----	51,423	52,499	9,629	14,881
Taiwan -----	28,827	33,418	6,999	8,362
Singapore -----	13,215	8,288	2,487	1,335
India -----	11,846	7,560	1,611	3,532
Sweden -----	23,653	19,510	6,561	4,548
Israel -----	4,759	6,168	3,249	1,962
Philippines -----	15	5,150	1,587	662
Thailand -----	14,718	4,135	0	439
Turkey -----	6,678	3,962	829	1,408
All others-----	20,466	7,807	1,705	1,859
Total-----	457,047	391,543	97,313	110,305
Grand total-----	1,496,900	1,473,673	342,505	474,479

¹/₂ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 20. Total, carbon and certain 1/ alloy steel products: U.S. imports for consumption, by principal sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	274,550	309,960	63,439	116,153
Austria -----	82,507	142,198	21,591	55,212
Brazil -----	1,382,924	1,469,768	284,771	290,070
Czechoslovakia -----	25,660	7,985	1,264	4,779
East Germany -----	55,867	40,668	18,352	0
EC countries-----	5,530,746	5,393,240	1,006,570	1,177,413
Finland -----	213,588	203,107	60,375	48,641
Hungary -----	28,420	31,568	0	15,339
Japan -----	3,602,047	3,017,024	698,621	743,840
Mexico -----	451,951	665,773	179,092	180,826
Peoples Rep of China -----	61,850	57,626	15,353	6,736
Poland -----	72,268	59,519	11,149	18,653
Romania -----	49,436	46,272	1,672	30,828
Republic of South Africa -----	756	1,290	191	0
Korea, Republic of -----	1,178,972	1,502,300	318,594	473,252
Trinidad and Tobago -----	48,028	70,160	23,515	15,822
Venezuela -----	173,574	212,539	33,477	40,237
Yugoslavia -----	8,219	23,691	3,559	10,840
Total-----	13,241,363	13,254,688	2,741,585	3,228,641
Other countries:				
Canada -----	3,159,739	3,091,045	766,309	660,433
Sweden -----	212,323	256,295	39,230	60,218
Taiwan -----	159,725	202,732	48,337	55,337
Argentina -----	227,661	196,215	38,374	86,142
Turkey -----	211,804	143,581	43,716	15,837
New Zealand -----	78,564	106,095	23,049	37,647
India -----	104,994	102,637	23,542	13,591
Singapore -----	78,598	29,783	13,151	3,325
Indonesia -----	69,342	28,197	8,830	1,962
Philippines -----	213	19,356	10,405	1,698
All others-----	281,803	113,642	30,018	27,784
Total-----	4,584,766	4,289,578	1,044,961	963,974
Grand total-----	17,826,129	17,544,266	3,786,546	4,192,615

See footnote(s) at end of table.

Table 20. Total, carbon and certain ¹/ _{alloy steel products: U.S. imports for consumption, by principal sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued}

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	126,499	120,429	22,616	44,017
Austria -----	52,952	74,143	13,518	24,236
Brazil -----	455,362	416,532	75,238	98,357
Czechoslovakia -----	8,844	2,590	489	2,014
East Germany -----	18,908	12,344	5,996	0
EC countries -----	2,591,992	2,435,907	481,469	538,569
Finland -----	83,209	71,959	20,026	17,897
Hungary -----	9,155	8,890	0	3,885
Japan -----	2,160,017	1,873,636	450,306	467,299
Mexico -----	216,702	277,758	77,908	69,880
Peoples Rep of China -----	34,364	32,505	8,280	4,368
Poland -----	25,514	20,230	3,899	5,503
Romania -----	17,347	14,742	641	9,774
Republic of South Africa -----	590	1,044	144	0
Korea, Republic of -----	604,322	691,693	165,587	211,313
Trinidad and Tobago -----	14,695	19,653	6,623	4,595
Venezuela -----	61,595	75,377	13,137	15,863
Yugoslavia -----	3,419	9,459	1,428	3,782
Total-----	6,485,486	6,158,891	1,347,305	1,521,352
Other countries:				
Canada -----	1,559,576	1,400,384	364,434	315,023
Sweden -----	141,425	147,237	30,981	35,478
Taiwan -----	90,727	107,541	28,032	27,018
Argentina -----	109,850	96,667	19,661	33,865
Turkey -----	65,996	45,013	13,114	5,074
New Zealand -----	41,302	42,398	11,008	14,439
India -----	42,851	39,598	9,564	6,567
Singapore -----	31,647	15,333	5,585	1,611
Indonesia -----	24,707	11,860	3,874	781
Philippines -----	281	7,660	4,032	662
All others-----	122,731	66,807	18,363	13,236
Total-----	2,231,093	1,980,498	508,648	453,754
Grand total-----	8,716,579	8,139,389	1,855,953	1,975,106

¹/ _{Certain alloy refers to alloy steel other than stainless or tool steel.}

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 21.--Stainless semifinished steel: U.S. imports for consumption, by specified sources 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	0	0	0
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	13,995	20,041	53	971
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	698	1,679	122	1,226
Mexico -----	176	275	118	16
Peoples Rep of China -----	0	0	0	0
Poland -----	293	42	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	0	85	0	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	15,162	22,122	293	2,213
Other countries:				
Canada -----	36,556	26,379	6,697	7,510
Sweden -----	10,403	12,320	3,426	4,171
Taiwan -----	1/	1/	1/	1/
Israel -----	1/	0	0	1/
Total-----	46,959	38,699	10,123	11,681
Grand total-----	62,121	60,821	10,416	13,894

See footnote(s) at end of table.

Table 21.--Stainless semifinished steel: U.S. imports for consumption, by specified sources 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	0	0	0
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	12,572	18,089	128	2,223
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	1,413	2,134	202	1,562
Mexico -----	448	656	322	51
Peoples Rep of China -----	0	0	0	0
Poland -----	532	95	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	0	86	0	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	14,965	21,060	652	3,836
Other countries:				
Canada -----	68,918	37,599	9,869	10,611
Sweden -----	23,075	20,774	5,654	7,018
Taiwan -----	16	8	8	14
Israel -----	5	0	0	4
Hong Kong -----	2	0	0	0
Total-----	92,016	58,381	15,531	17,647
Grand total-----	106,981	79,441	16,183	21,483

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 22.--Stainless steel plate: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	197	126	12	140
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	12,024	9,271	1,810	2,213
Finland -----	1,746	6,444	1,485	1,004
Hungary -----	0	0	0	0
Japan -----	1,542	2,576	392	447
Mexico -----	4	0	0	0
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	10	545	16	544
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	15,523	18,962	3,715	4,348
Other countries:				
Sweden -----	2,014	1,510	350	125
Canada -----	177	178	9	232
Total-----	2,191	1,688	359	357
Grand total-----	17,714	20,650	4,074	4,705

Table 22.--Stainless steel plate: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	915	596	54	530
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	35,694	22,315	4,156	5,153
Finland -----	4,883	13,224	3,250	2,164
Hungary -----	0	0	0	0
Japan -----	4,544	5,706	1,045	1,031
Mexico -----	3	0	0	0
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	24	891	27	887
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	46,063	42,732	8,532	9,765
Other countries:				
Sweden -----	5,970	4,193	1,061	432
Canada -----	425	314	30	417
Total-----	6,395	4,507	1,091	849
Grand total-----	52,458	47,239	9,623	10,614

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 23.--Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	9	0	0	0
Austria -----	16	13	0	16
Brazil -----	0	2,239	28	58
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	63,478	62,089	11,985	21,520
Finland -----	1,376	9,355	1,907	614
Hungary -----	0	0	0	0
Japan -----	45,581	40,791	10,019	11,917
Mexico -----	14,968	22,362	3,982	5,878
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	6,875	6,768	1,775	1,516
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	20	0	0
Total-----	132,303	143,637	29,696	41,519
Other countries:				
Sweden -----	5,978	5,529	1,686	1,568
India -----	0	2,773	201	325
Canada -----	2,234	2,370	600	419
Singapore -----	4	28	0	1/
Switzerland -----	0	5	0	0
Total-----	8,216	10,705	2,487	2,312
Grand total-----	140,519	154,342	32,183	43,831

See footnote(s) at end of table.

Table 23.--Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	12	0	0	0
Austria -----	79	59	0	92
Brazil -----	0	3,846	43	103
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	138,830	119,032	24,173	42,479
Finland -----	3,850	19,548	2,906	1,345
Hungary -----	0	0	0	0
Japan -----	95,498	79,396	21,626	21,211
Mexico -----	33,463	41,946	8,379	9,644
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	16,561	11,926	3,141	2,734
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	32	0	0
Total-----	288,293	275,785	60,268	77,608
Other countries:				
Sweden -----	21,181	18,300	5,885	5,156
India -----	0	5,235	483	522
Canada -----	7,123	6,291	1,553	1,056
Singapore -----	17	124	0	2
Switzerland -----	0	100	0	0
Total-----	28,321	30,050	7,921	6,736
Grand total-----	316,614	305,835	68,189	84,344

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 24.--Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	0	4	0	0
Austria -----	200	130	22	33
Brazil -----	4,497	3,318	1,061	471
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	10,400	10,817	3,051	4,121
Finland -----	0	1/	0	0
Hungary -----	0	0	0	0
Japan -----	20,286	17,777	3,812	5,849
Mexico -----	18	19	19	0
Peoples Rep of China -----	7	0	0	0
Poland -----	0	0	0	0
Romania -----	15	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	3,165	2,610	868	1,101
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	53	0	88
Total-----	38,588	34,728	8,833	11,663
Other countries:				
Canada -----	1,711	5,374	1,048	1,271
Sweden -----	2,727	3,308	801	807
India -----	214	1,084	200	247
Switzerland -----	13	15	10	7
Argentina -----	93	14	14	0
Taiwan -----	59	3	0	42
Singapore -----	1/	0	0	0
Indonesia -----	2	0	0	0
Israel -----	1/	0	0	1/
Jordan -----	10	0	0	0
Total-----	4,829	9,798	2,073	2,374
Grand total-----	43,417	44,526	10,906	14,037

See footnote(s) at end of table.

Table 24.--Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	0	11	0	0
Austria -----	527	378	61	84
Brazil -----	10,550	7,704	2,644	898
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	30,443	28,981	8,300	11,226
Finland -----	0	2	0	0
Hungary -----	0	0	0	0
Japan -----	63,821	49,418	11,300	15,012
Mexico -----	33	39	39	0
Peoples Rep of China -----	32	0	0	0
Poland -----	0	0	0	0
Romania -----	27	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	9,017	6,270	2,215	2,444
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	132	0	232
Total-----	114,450	92,935	24,559	29,896
Other countries:				
Canada -----	4,540	13,577	2,579	3,241
Sweden -----	8,819	8,921	2,342	2,123
India -----	509	2,623	550	588
Switzerland -----	92	65	43	29
Argentina -----	169	28	28	0
Taiwan -----	166	9	0	106
Singapore -----	2	0	0	0
Indonesia -----	53	0	0	0
Israel -----	4	0	0	12
Jordan -----	41	0	0	0
Total-----	14,395	25,223	5,542	6,099
Grand total-----	128,845	118,158	30,101	35,995

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 25.--Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	88	0	0	3
Brazil -----	809	1,413	375	479
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	10,582	10,772	2,466	2,853
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	6,087	5,195	1,363	1,013
Mexico -----	0	0	0	0
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	336	861	296	462
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	17,902	18,241	4,500	4,810
Other countries:				
Sweden -----	3,497	4,621	1,169	1,396
Canada -----	284	168	82	0
India -----	0	97	11	249
Taiwan -----	0	0	0	126
Argentina -----	15	0	0	0
Total-----	3,796	4,886	1,262	1,771
Grand total-----	21,698	23,127	5,762	6,581

Table 25.--Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	129	0	0	60
Brazil -----	1,991	2,774	683	759
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	30,861	27,607	6,288	7,344
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	16,226	11,460	3,222	2,189
Mexico -----	0	0	0	0
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	796	1,807	684	877
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	50,003	43,648	10,877	11,229
Other countries:				
Sweden -----	11,170	11,714	3,344	3,679
Canada -----	787	451	238	0
India -----	0	190	30	470
Taiwan -----	0	0	0	252
Argentina -----	26	0	0	0
Total-----	11,983	12,355	3,612	4,401
Grand total-----	61,986	56,003	14,489	15,630

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 26.--Stainless steel wire: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	1/	1/	1/	1/
Austria -----	105	1	1/	2
Brazil -----	849	446	24	221
Czechoslovakia -----	0	0	0	4
East Germany -----	0	0	0	0
EC countries -----	7,542	6,443	1,446	1,415
Finland -----	7	0	0	1/
Hungary -----	0	0	0	0
Japan -----	4,796	3,393	914	845
Mexico -----	6	0	0	7
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	759	619	143	292
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	3	0	0	0
Total-----	14,067	10,902	2,527	2,786
Other countries:				
Canada -----	2,355	2,404	693	548
Sweden -----	2,493	2,051	462	589
India -----	896	1,613	541	169
Taiwan -----	1,099	867	215	344
Switzerland -----	337	284	64	45
Thailand -----	71	175	79	44
Chile -----	0	21	0	0
New Zealand -----	0	9	0	0
Singapore -----	1/	1/	1/	0
Hong Kong -----	1/	0	0	0
All others -----	0	0	0	1/
Total-----	7,251	7,424	2,054	1,739
Grand total-----	21,318	18,326	4,581	4,525

See footnote(s) at end of table.

Table 26.--Stainless steel wire: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	81	97	21	45
Austria -----	516	11	4	13
Brazil -----	2,069	959	107	390
Czechoslovakia -----	0	0	0	17
East Germany -----	0	0	0	0
EC countries-----	28,620	24,110	5,589	5,451
Finland -----	58	0	0	46
Hungary -----	0	0	0	0
Japan -----	20,748	13,471	3,789	3,147
Mexico -----	3	0	0	18
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	3,042	2,291	559	952
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	4	0	0	0
Total-----	55,141	40,939	10,069	10,079
Other countries:				
Canada -----	12,604	11,424	3,530	2,584
Sweden -----	13,952	10,629	2,697	3,053
India -----	2,432	3,987	1,377	335
Taiwan -----	3,834	2,818	804	1,157
Switzerland -----	1,590	1,318	283	222
Thailand -----	274	617	268	160
Chile -----	0	19	0	0
New Zealand -----	0	18	0	0
Singapore -----	9	6	6	0
Hong Kong -----	4	0	0	0
All others-----	0	0	0	5
Total-----	34,699	30,836	8,965	7,516
Grand total-----	89,840	71,775	19,034	17,595

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 27.--Stainless steel pipe and tube: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	0	1/	0	3
Austria -----	664	929	153	132
Brazil -----	12	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	11,955	14,525	2,867	2,808
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	9,327	8,787	1,611	3,453
Mexico -----	346	597	67	101
Peoples Rep of China -----	4	486	0	136
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	1/	0	0	0
Korea, Republic of -----	684	3,470	277	2,223
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	22,992	28,794	4,975	8,856
Other countries:				
Taiwan -----	3,135	8,216	1,926	2,755
Canada -----	6,241	5,711	1,567	1,094
Sweden -----	4,208	3,225	647	265
Singapore -----	315	1,038	223	333
Thailand -----	332	152	0	0
India -----	5	66	41	2
Hong Kong -----	0	11	0	0
Switzerland -----	16	6	3	16
Argentina -----	0	1/	0	0
Norway -----	1/	1/	0	0
All others-----	13	1/	1/	0
Total-----	14,265	18,425	4,407	4,465
Grand total-----	37,257	47,219	9,382	13,321

See footnote(s) at end of table.

Table 27.--Stainless steel pipe and tube: U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	0	2	0	13
Austria -----	5,246	6,665	1,112	1,144
Brazil -----	54	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	45,286	44,642	7,536	12,510
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	52,918	48,830	10,077	16,563
Mexico -----	1,195	2,439	272	353
Peoples Rep of China -----	12	1,293	0	363
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	4	0	0	0
Korea, Republic of -----	2,570	9,796	880	6,177
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	107,285	113,667	19,877	37,123
Other countries:				
Taiwan -----	12,587	25,477	6,710	8,087
Canada -----	30,786	29,198	7,916	6,244
Sweden -----	22,758	14,203	3,680	1,655
Singapore -----	1,060	3,040	700	983
Thailand -----	874	320	0	0
India -----	20	349	223	11
Hong Kong -----	0	26	0	0
Switzerland -----	212	250	97	134
Argentina -----	0	7	0	0
Norway -----	7	9	0	0
All others-----	49	1	1	0
Total-----	68,353	72,880	19,327	17,114
Grand total-----	175,638	186,547	39,204	54,237

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 28.--Alloy tool steel (all forms): U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	18	537	0	0
Austria -----	2,709	2,810	669	1,494
Brazil -----	2,052	2,542	402	451
Czechoslovakia -----	33	0	0	114
East Germany -----	0	2	0	0
EC countries-----	16,254	14,247	3,040	3,962
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	5,543	4,015	983	960
Mexico -----	137	230	7,609	0
Peoples Rep of China -----	167	74	0	60
Poland -----	225	289	85	59
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,167	694	176	52
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	68	313	34	40
Yugoslavia -----	0	0	0	0
Total-----	28,373	25,753	12,998	7,192
Other countries:				
Canada -----	8,963	7,142	1,880	4,099
Sweden -----	10,867	6,247	1,784	1,591
Philippines -----	0	66	0	0
India -----	1/	54	0	0
Argentina -----	98	42	0	0
Israel -----	1/	0	0	0
Soviet Union -----	10	0	0	0
Switzerland -----	1/	0	0	1/
Total-----	19,938	13,551	3,664	5,690
Grand total-----	48,311	39,304	16,662	12,882

See footnote(s) at end of table.

Table 28.--Alloy tool steel (all forms): U.S. imports for consumption, by specified sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	41	1,209	0	0
Austria -----	7,507	8,167	2,021	3,926
Brazil -----	3,481	4,166	923	577
Czechoslovakia -----	46	0	0	160
East Germany -----	0	8	0	0
EC countries-----	31,615	31,445	7,845	6,836
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	11,142	9,901	3,231	2,068
Mexico -----	183	301	1,927	0
Peoples Rep of China -----	219	108	0	47
Poland -----	567	861	285	180
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,979	1,442	362	99
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	86	428	56	54
Yugoslavia -----	0	0	0	0
Total-----	56,866	58,036	16,650	13,947
Other countries:				
Canada -----	12,883	10,490	3,089	2,572
Sweden -----	30,000	18,915	4,541	5,171
Philippines -----	0	191	0	0
India -----	4	107	0	0
Argentina -----	165	76	0	0
Israel -----	10	0	0	0
Soviet Union -----	8	0	0	0
Switzerland -----	1	0	0	1
Total-----	43,071	29,779	7,630	7,744
Grand total-----	99,937	87,815	24,280	21,691

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 29.--Total, stainless and alloy tool steel products: U.S. imports for consumption, by principal sources, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
VRA countries:				
Australia -----	28	543	1/	3
Austria -----	3,979	4,009	857	1,820
Brazil -----	8,218	9,958	1,890	1,680
Czechoslovakia -----	33	0	0	119
East Germany -----	0	2	0	0
EC countries -----	146,230	148,205	26,717	39,863
Finland -----	3,128	15,800	3,392	1,618
Hungary -----	0	0	0	0
Japan -----	93,860	84,212	19,216	25,711
Mexico -----	15,654	23,483	11,794	6,003
Peoples Rep of China -----	178	560	0	196
Poland -----	518	331	85	59
Romania -----	15	0	0	0
Republic of South Africa -----	1/	0	0	0
Korea, Republic of -----	12,998	15,653	3,550	6,191
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	68	313	34	40
Yugoslavia -----	3	73	0	88
Total-----	284,925	303,142	67,535	83,391
Other countries:				
Canada -----	58,521	49,727	12,576	15,173
Sweden -----	42,184	38,812	10,326	10,511
Taiwan -----	4,294	9,087	2,141	3,268
India -----	1,116	5,686	994	992
Singapore -----	320	1,066	224	334
Thailand -----	403	327	79	44
Switzerland -----	366	310	77	67
Philippines -----	0	66	0	0
Argentina -----	206	58	14	0
Chile -----	0	21	0	0
All others -----	37	20	0	0
Total-----	107,447	105,180	26,431	30,389
Grand total-----	392,372	408,322	93,966	113,780

See footnote(s) at end of table.

Table 29.--Total, stainless and alloy tool steel products: U.S. imports for consumption, by principal sources, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
VRA countries:				
Australia -----	133	1,318	21	58
Austria -----	14,919	15,877	3,251	5,848
Brazil -----	18,144	19,449	4,400	2,727
Czechoslovakia -----	46	0	0	177
East Germany -----	0	8	0	0
EC countries -----	353,921	316,222	64,015	93,222
Finland -----	8,791	32,775	6,155	3,554
Hungary -----	0	0	0	0
Japan -----	266,312	220,316	54,492	62,784
Mexico -----	35,327	45,380	10,939	10,067
Peoples Rep of China -----	263	1,401	0	410
Poland -----	1,099	956	285	180
Romania -----	27	0	0	0
Republic of South Africa -----	4	0	0	0
Korea, Republic of -----	33,988	34,510	7,868	14,170
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	86	428	56	54
Yugoslavia -----	4	164	0	232
Total-----	733,064	688,804	151,482	193,483
Other countries:				
Canada -----	138,065	109,343	28,804	26,726
Sweden -----	136,924	107,648	29,204	28,287
Taiwan -----	16,604	28,312	7,521	9,615
India -----	2,965	12,490	2,663	1,927
Singapore -----	1,088	3,170	706	985
Thailand -----	1,148	937	268	160
Switzerland -----	1,895	1,732	423	386
Philippines -----	0	191	0	0
Argentina -----	360	111	28	0
Chile -----	0	19	0	0
All others-----	183	54	1	21
Total-----	299,232	264,007	69,618	68,107
Grand total-----	1,032,296	952,811	221,100	261,590

1/ Less than 0.5 short tons

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 30.--Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, 1989, 1990, and by specified periods, 1990 and 1991
(Per short ton)

Item	1989		1990		January-March	
					1990	1991
Carbon and certain alloy 1/ steel:						
Semifinished 2/	259	254	253	253	253	253
Plate	400	366	395	395	395	345
Sheet and strip:						
Hot rolled						
Cold rolled	378	328	368	368	368	323
Galvanized	546	498	564	564	564	485
Tin plate	587	581	599	599	599	547
Tin free	613	616	620	620	620	626
Other coated	574	581	573	573	573	606
Average, sheet and strip:	616	643	642	642	642	691
Bar:	511	471	525	525	525	460
Hot finished	454	463	466	466	466	487
Cold finished	658	684	698	698	698	697
Reinforcing	308	316	313	313	313	336
Light shapes	349	336	356	356	356	332
Average, bar	465	480	469	469	469	490
Wire rod	374	336	352	352	352	379
Wire products	734	748	750	750	750	754
Structural shapes and units:	928	996	970	970	970	1,043
Heavy structurals	377	359	363	363	363	398
Fabricated structurals	1,120	1,371	1,287	1,287	1,287	1,338
Average, structurals	452	467	482	482	482	468
Rails and related products	471	390	420	420	420	468
Pipe and tube:						
Oil country tubular goods	743	728	689	689	689	741
Line pipe	563	510	504	504	504	562
Mechanical pipe	787	891	841	841	841	920
Structural pipe	563	538	553	553	553	526
Pressure tubing	1,021	1,093	1,339	1,339	1,339	1,193
Other (incl. standard)	520	503	509	509	509	490
Average, pipe and tube	613	588	573	573	573	593
Average, carbon and certain alloy 1/ steel	489	464	490	490	490	471

See footnotes at end of table.

Table 30.--Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, 1989, 1990, and by specified periods, 1990 and 1991

(Per short ton)

Item	1989		1990		January-March	
Stainless and alloy tool steel:						
Stainless steel:						
Semifinished 2/	1,722	1,386	1,553	1,546		
Plate	2,962	2,288	2,362	2,256		
Sheet and strip:						
Sheet	2,084	1,819	1,924	1,762		
Strip	3,255	3,088	3,196	3,115		
Average, sheet and strip:	2,554	1,982	2,119	1,924		
Bars and shapes:	2,968	2,654	2,760	2,564		
Wire rod	2,857	2,421	2,514	2,375		
Wire	4,214	3,951	4,155	3,887		
Pipe and tube	4,714	3,951	4,178	4,072		
Alloy tool steel (all forms)-	2,069	2,234	1,457	1,684		
Average, stainless and alloy steel	2,631	2,333	2,353	2,299		

1/ Including alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from data of the American Iron & Steel Institute, and official statistics of the U.S. Department of Commerce.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January-March	
			1990	1991
			Quantity (short tons)	
Carbon and certain alloy <u>3/</u> steel:				
Semifinished <u>2/</u>				
Ingots-----	25,863	65,400	1,387	2,120
Blooms and billets-----	504,638	488,780	91,510	199,305
Slabs and sheet bars-----	1,605,189	1,747,818	440,854	380,631
Total-----	2,135,690	2,301,998	533,751	582,056
Plate:				
Carbon-----	1,312,364	1,420,427	238,983	330,210
Alloy-----	107,032	131,644	22,739	25,374
Total-----	1,419,396	1,552,071	261,722	355,584
Sheet and strip:				
Hot rolled:				
Sheet-----	1,835,755	2,211,426	338,486	517,424
Strip-----	110,452	96,349	22,149	19,348
Cold rolled:				
Black plate-----	144,642	146,079	31,209	28,949
Electrical-----	85,328	76,163	13,335	18,787
Other sheet-----	1,701,183	1,799,888	298,510	426,107
Other strip-----	112,196	112,905	28,627	25,225
Galvanized-----	1,625,227	1,649,264	397,445	434,925
Tin plate-----	337,330	313,549	67,042	67,446
Tin free-----	114,902	114,045	25,865	26,880
Other coated-----	235,827	192,491	50,162	53,808
Total-----	6,302,844	6,712,159	1,272,831	1,618,899
Bar:				
Hot rolled:				
Carbon-----	525,944	464,375	93,876	70,301
Alloy-----	238,912	202,466	47,547	55,609
Cold rolled:				
Carbon-----	118,180	91,358	23,362	21,395
Alloy-----	46,608	44,295	9,271	13,664
Reinforcing-----	233,733	147,882	31,492	23,846
Light structural shapes-----	100,927	84,880	18,342	20,091
Total-----	1,264,305	1,035,255	223,889	204,906

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January-March	
			1990	1991
Quantity (short tons)				
Wire rod and related products:				
Wire rod:				
Carbon-----	1,085,797	936,837	277,338	151,512
Alloy-----	42,620	19,276	3,727	6,678
Wire:				
Carbon-----	432,369	375,454	103,580	85,235
Alloy-----	40,615	38,555	10,635	9,019
Wire products:				
Nails-----	384,737	373,685	108,940	63,424
Barbed wire-----	12,440	15,350	4,252	3,836
Wire fencing-----	60,907	46,164	11,692	9,537
Bale ties-----	955	696	239	126
Wire strand-----	161,751	152,051	43,147	26,311
Wire rope-----	82,812	72,380	16,657	20,632
Milliners wire-----	0	0	0	1/
Total-----	2,305,004	2,030,446	580,207	376,310
Structurals:				
Heavy-----	1,477,782	911,556	212,814	157,974
Fabricated-----	162,579	109,037	31,358	20,243
Total-----	1,640,361	1,020,593	244,172	178,218
Rails and related products:				
Rails-----	244,236	301,410	65,470	65,398
Joint bars and tie plates-----	14,023	10,205	2,117	4,354
Track spikes-----	5,853	2,602	919	799
Wheels and axles-----	58,873	35,337	3,746	6,333
Total-----	322,985	349,555	72,253	76,884
Pipes and tubes:				
Oil country tubular goods-----	429,448	381,022	76,164	135,142
Line pipe-----	526,983	695,930	157,585	282,094
Mechanical pipe-----	281,056	186,242	44,274	49,572
Structural pipe-----	323,918	275,432	77,449	55,869
Pressure tubing-----	44,944	38,044	8,537	7,249
Other (including standard)-----	829,195	965,519	233,708	269,833
Total-----	2,435,544	2,542,189	597,717	799,760

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January-March	
			1990	1991
Quantity (short tons)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	191	273	20	522
Blooms and billets-----	42,268	41,560	7,119	10,013
Slabs and sheet bars-----	19,663	18,989	3,279	3,359
Total-----	62,121	60,822	10,418	13,895
Plate-----	17,713	20,651	4,073	4,705
Sheet and strip:				
Sheet:				
Hot rolled-----	8,070	6,822	1,683	1,455
Cold rolled-----	112,191	127,779	25,363	37,118
Strip-----	20,258	19,741	5,136	5,260
Total-----	140,519	154,342	32,182	43,833
Bars and shapes-----	43,417	44,526	10,904	14,038
Wire rod-----	21,698	23,128	5,762	6,581
Wire-----	21,319	18,328	4,581	4,526
Pipe and tube-----	37,258	47,220	9,383	13,321
Alloy tool steel (all forms):				
Semifinished 2/-----	3,959	3,260	8,239	3,879
Bars-----	33,488	26,843	6,411	5,930
Other-----	10,866	9,201	2,011	3,074
Total-----	48,313	39,304	16,662	12,882

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1989, 1990, and by specified periods, 1990 and 1991

Item	1989	1990	January-March	
			1990	1991
Share of product group totals (percent)				
Carbon and certain alloy <u>3</u> / steel:				
Semifinished <u>2</u> / Ingots-----	1.21	2.84	0.26	0.36
Blooms and billets-----	23.63	21.23	17.14	34.24
Slabs and sheet bars-----	75.16	75.93	82.60	65.39
Total-----	100.00	100.00	100.00	100.00
Plate:				
Carbon-----	92.46	91.52	91.31	92.86
Alloy-----	7.54	8.48	8.69	7.14
Total-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Hot rolled:				
Sheet-----	29.13	32.95	26.59	31.96
Strip-----	1.75	1.44	1.74	1.20
Cold rolled:				
Black plate-----	2.29	2.18	2.45	1.79
Electrical-----	1.35	1.13	1.05	1.16
Other sheet-----	26.99	26.82	23.45	26.32
Other strip-----	1.78	1.68	2.25	1.56
Galvanized-----	25.79	24.57	31.23	26.87
Tin plate-----	5.35	4.67	5.27	4.17
Tin free-----	1.82	1.70	2.03	1.66
Other coated-----	3.74	2.87	3.94	3.32
Total-----	100.00	100.00	100.00	100.00
Bar:				
Hot rolled:				
Carbon-----	41.60	44.86	41.93	34.31
Alloy-----	18.90	19.56	21.24	27.14
Cold rolled:				
Carbon-----	9.35	8.82	10.43	10.44
Alloy-----	3.69	4.28	4.14	6.67
Reinforcing-----	18.49	14.28	14.07	11.64
Light structural shapes-----	7.98	8.20	8.19	9.80
Total-----	100.00	100.00	100.00	100.00

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	1989	1990	January-March	
			1990	1991
Share of product group totals (percent)				
Wire rod and related products:				
Wire rod:				
Carbon-----	47.11	46.14	47.80	40.26
Alloy-----	1.85	0.95	0.64	1.77
Wire:				
Carbon-----	18.76	18.49	17.85	22.65
Alloy-----	1.76	1.90	1.83	2.40
Wire products:				
Nails-----	16.69	18.40	18.78	16.85
Barbed wire-----	0.54	0.76	0.73	1.02
Wire fencing-----	2.64	2.27	2.02	2.53
Bale ties-----	0.04	0.03	0.04	0.03
Wire strand-----	7.02	7.49	7.44	6.99
Wire rope-----	3.59	3.56	2.87	5.48
Milliners wire-----	0.00	0.00	0.00	1/
Total-----	100.00	100.00	100.00	100.00
Structurals:				
Heavy-----	90.09	89.32	87.16	88.64
Fabricated-----	9.91	10.68	12.84	11.36
Total-----	100.00	100.00	100.00	100.00
Rails and related products:				
Rails-----	75.62	86.23	90.61	85.06
Joint bars and tie plates-----	4.34	2.92	2.93	5.66
Track spikes-----	1.81	0.74	1.27	1.04
Wheels and axles-----	18.23	10.11	5.18	8.24
Total-----	100.00	100.00	100.00	100.00
Pipes and tubes:				
Oil country tubular goods-----	17.63	14.99	12.74	16.90
Line pipe-----	21.64	27.38	26.36	35.27
Mechanical pipe-----	11.54	7.33	7.41	6.20
Structural pipe-----	13.30	10.83	12.96	6.99
Pressure tubing-----	1.85	1.50	1.43	0.91
Other (including standard)-----	34.05	37.98	39.10	33.74
Total-----	100.00	100.00	100.00	100.00

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Item	January-March			
	1989	1990	1990	1991
Share of product group totals (percent)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	0.31	0.45	0.19	3.76
Blooms and billets-----	68.04	68.33	68.33	72.07
Slabs and sheet bars-----	31.65	31.22	31.47	24.18
Total-----	100.00	100.00	100.00	100.00
Plate-----	100.00	100.00	100.01	99.99
Sheet and strip:				
Sheet:				
Hot rolled-----	5.74	4.42	5.23	3.32
Cold rolled-----	79.84	82.79	78.81	84.68
Strip-----	14.42	12.79	15.96	12.00
Total-----	100.00	100.00	100.00	100.00
Bars and shapes-----	100.00	100.00	100.00	100.00
Wire rod-----	100.00	100.00	100.01	100.00
Wire-----	100.00	100.00	100.00	99.99
Pipe and tube-----	100.00	100.00	100.00	100.00
Alloy tool steel (all forms):				
Semifinished ^{2/} -----	8.19	8.30	49.45	30.11
Bars-----	69.31	68.30	38.48	46.03
Other-----	22.49	23.41	12.07	23.86
Total-----	100.00	100.00	100.00	100.00

^{1/} Milliners wire is included in total wire products.

^{2/} Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.

^{3/} Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 32.--Steel mill products and certain fabricated steel products:
U.S. Imports for consumption, by customs areas, 1989, 1990, and by
specified periods, 1990 and 1991

(Short tons)

Item	1989		1990		January-March	
					1990	1991
Atlantic Coast	3,510,909	2,904,126	771,425	1,011,666		
Great Lakes-Canadian border	5,688,226	5,758,953	837,064	769,165		
Gulf Coast-Mexican border	4,521,954	4,403,070	1,114,166	1,444,134		
Off-shore	371,695	308,790	61,638	75,681		
Pacific Coast	4,082,702	4,377,697	1,096,215	1,005,751		
Total	18,218,486	17,952,586	3,880,508	4,306,397		

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 33.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Atlantic Coast customs area, 1989, 1990, and by specified periods, 1990 and 1991

(Short tons)

Item	1989		1990		January-March	
					1990	1991
Carbon and certain alloy 1/ steel:						
Semifinished 2/						
Plate	323,401	172,652	57,794	85,378		
Sheet and strip	216,546	215,847	47,080	78,998		
Bars and certain shapes	1,281,884	1,189,936	324,764	525,878		
Wire rod	155,134	102,207	30,124	24,490		
Wire	215,013	185,722	43,158	32,828		
Mire products	88,009	76,338	20,565	15,570		
Structural shapes and units	237,679	211,516	62,026	33,867		
Rails and related products	458,130	192,338	48,337	22,916		
Pipe and tube	35,669	26,018	4,098	10,592		
Total	3,352,071	2,733,343	732,797	129,103		
Stainless and alloy tool steel:						
Stainless steel:						
Semifinished 2/						
Plate	14,669	21,028	3,555	5,109		
Sheet and strip	8,900	9,071	2,045	1,921		
Bars and certain shapes	47,438	55,716	13,294	20,567		
Wire rod	22,418	19,501	4,614	6,836		
Mire	16,289	17,513	4,244	4,795		
Pipe and tube	11,848	10,169	2,282	2,770		
Tool steel (all forms)	14,468	18,163	3,833	4,179		
Total	22,807	19,621	4,761	5,869		
Total	3,510,909	2,904,126	771,423	1,011,666		

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 34.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Great Lakes-Canadian border customs area, 1989, 1990, and by specified periods, 1990 and 1991
(Short tons)

Item	1989		1990		January-March	
			1990	1991		
Carbon and certain alloy 1/						
steel:						
Semifinished 2/	393,604	376,130	59,484	12,975	29,809	
Plate	551,017	578,160	241,433	59,484	60,540	
Sheet and strip	2,145,556	2,380,594	95,133	241,433	228,634	
Bars and certain shapes	650,140	2,590,935	114,859	95,133	85,244	
Wire rod	466,968	387,724	54,643	114,859	63,944	
Wire	230,319	202,258	26,672	54,643	49,495	
Wire products	106,485	96,089	78,109	26,672	18,104	
Structural shapes and units	375,682	399,695	25,031	78,109	70,855	
Rails and related products	161,932	196,840	106,759	25,031	29,437	
Pipe and tube	492,836	446,874	815,097	106,759	108,447	
Total	5,574,539	5,655,502	815,097	815,097	744,529	
Stainless and alloy tool steel:						
Semifinished 2/	36,980	26,516	6,698	7,611	7,611	
Plate	2,652	5,084	790	655	655	
Sheet and strip	35,682	33,840	5,126	5,119	5,119	
Bars and certain shapes	4,337	8,597	2,175	1,822	1,822	
Wire rod	822	1,064	363	283	283	
Wire	5,832	4,816	1,386	1,386	1,199	
Pipe and tube	7,190	7,942	1,786	1,786	1,713	
Tool steel (all forms)	20,192	15,794	3,643	3,643	6,233	
Total	113,688	103,641	21,867	21,867	24,636	
Grand Total	5,688,226	5,758,953	837,064	837,064	769,165	

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 35.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Gulf Coast-Mexican border customs area, 1989, 1990, and by specified periods, 1990 and 1991
(Short tons)

Item	1989		1990		January-March	
Carbon and certain alloy 1/ steel:						
Semifinished 2/						
Plate	684,289	616,184	167,955	223,379		
Sheet and strip	439,139	626,168	117,014	186,218		
Bars and certain shapes	1,316,891	1,224,513	287,887	424,752		
Wire rod	157,610	124,990	43,364	56,107		
Wire	220,248	217,475	58,347	38,916		
Wire products	61,675	53,333	16,235	11,854		
Structural shapes and units	138,125	175,874	43,177	36,105		
Structural shapes and units	323,672	197,591	53,723	49,681		
Rails and related products	81,408	55,424	27,845	22,571		
Pipe and tube	1,070,870	1,229,715	276,942	372,164		
Total	4,493,927	4,520,827	1,092,488	1,421,748		
Stainless and alloy tool steel:						
Stainless steel:						
Semifinished 2/						
Plate	10,462	13,275	165	1,053		
Sheet and strip	4,000	3,456	575	1,182		
Bars and certain shapes	30,331	38,277	8,046	12,165		
Wire rod	7,646	8,266	1,902	2,822		
Wire	1,735	1,824	575	539		
Pipe and tube	1,144	2,162	568	347		
Tool steel (all forms)	11,123	12,488	1,934	3,839		
Total	58,241	83,243	7,914	22,887		
Grand Total	4,561,954	4,605,070	1,114,766	1,444,134		

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 36.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the off-shore customs area, 1989, 1990, and by specified periods, 1990 and 1991
(Short tons)

Item	1989		1990		January-March	
					1990	1991
Carbon and certain alloy 1/ steel:						
Semifinished 2/	0	3/	0	0	0	0
Plate	7,984	6,885	1,217	22,460	13,445	2,096
Sheet and strip	77,155	99,978	23,567	3,926	24,050	7,425
Bars and certain shapes	169,928	115,415	2,700	1,484	2,804	2,216
Wire rod	5,174	12,554	2,316	39	3,227	30
Wire	11,407	8,213	4,095	61,604	19,364	74,595
Wire products	6,070	624				
Structural shapes and units	28,269	37,694				
Rails and related products	333					
Pipe and tube	64,215	308,790				
Total	370,534	371,695	308,790	61,638	75,681	
Stainless and alloy tool steel:						
Stainless steel:						
Semifinished 2/	0	0	0	0	0	0
Plate	1	0	0	0	0	0
Sheet and strip	36	20	0	0	0	0
Bars and certain shapes	3/	10	0	0	0	0
Wire rod	0	0	0	0	0	0
Wire	810	64	7	8	21	
Pipe and tube	18	8	8	8	1,065	
Tool steel (all forms)	295	19	19	19	1,065	
Total	1,471	171	171	171	1,065	
Grand Total	371,695	371,695	308,790	61,638	75,681	

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

3/ Less than 0.5 short tons.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 37.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Pacific Coast customs area, 1989, 1990, and by specified periods, 1990 and 1991
(Short tons)

Item	1989		1990		January-March	
					1990	1991
Carbon and certain alloy 1/ steel:						
Semifinished 2/						
Plate	734,396	1,137,032	295,028	243,490		
Sheet and strip	204,710	125,811	36,929	27,733		
Bars and certain shapes	1,481,358	1,817,335	396,287	426,190		
Wire rod	131,492	101,747	31,901	15,015		
Wire	221,015	149,617	60,775	15,078		
Wire products	81,573	69,425	20,091	14,531		
Structural shapes and units	215,243	168,632	51,568	33,574		
Rails and related products	454,608	218,336	61,688	31,539		
Pipe and tube	43,644	70,650	15,238	14,235		
Total	467,017	467,590	115,050	170,742		
Total	4,035,056	4,326,124	1,084,556	992,125		
Stainless and alloy tool steel:						
Stainless steel:						
Semifinished 2/						
Plate	10	3	0	123		
Sheet and strip	2,159	3,039	664	946		
Bars and certain shapes	27,032	26,489	5,717	5,982		
Wire rod	9,015	8,152	2,214	2,558		
Wire	2,852	2,728	580	964		
Pipe and tube	1,685	1,117	338	188		
Tool steel (all forms)	4,459	8,619	1,822	2,524		
Total	3,433	1,376	324	341		
Total	50,496	51,223	11,659	13,626		
Total	4,085,702	4,377,647	1,096,215	1,005,751		
Grand Total						

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Appendix A

Request Letter From the Honorable Dan Rostenkowski, Chairman
of the Committee on Ways and Means,
U.S. House of Representatives

ONE HUNDRED FIRST CONGRESS

DAN ROSTENKOWSKI, ILLINOIS, CHAIRMAN

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COMMITTEE ON WAYS AND MEANS

U.S. HOUSE OF REPRESENTATIVES

WASHINGTON, DC 20515

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November 27, 1989

ROBERT J. LEONARD, CHIEF COUNSEL AND STAFF DIRECTOR

PHILLIP D. MOSELEY, MINORITY CHIEF OF STAFF

The Honorable Anne Brunsdale
Chairman
U.S. International Trade Commission
500 E Street, S.W.
Washington, D.C. 20436

COCKET NUMBER
1541
Office of the Secretary Int'l Trade Commission

Dear Madam Chairman:

The Committee on Ways and Means hereby requests the United States International Trade Commission to continue providing monthly monitoring reports on the status of the steel industry through the period ending March 31, 1992. These reports should generally follow the format of, and contain the same type of information as, the reports which the Commission has been providing under investigation no. 332-226. As you know, the purpose of these reports has been to provide the Committee with factual information for use in overseeing the implementation of the steel voluntary restraint (VRA) program. The original VRA program, and therefore our request for monthly reports, was for the period ending September 30, 1989.

In light of the fact that President Bush has authorized the negotiation of transitional VRA's for an additional two-and-one-half years, and the Congress enacted legislation to provide for the enforcement of VRA's until March 31, 1992, the Committee on Ways and Means would like to continue receiving the monthly steel reports for the duration of the transitional VRA's.

Thank you for your cooperation in this matter.

Sincerely yours,

Dan Rostenkowski
Dan Rostenkowski
Chairman

SECRETARY
COCKET/USITC

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DR/jn

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Appendix B

Letter from the Honorable Dan Rostenkowski, Chairman of the Committee
on Ways and Means, U.S. House of Representatives, Concerning
the Change in Publication Frequency

ONE HUNDRED FIRST CONGRESS

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COMMITTEE ON WAYS AND MEANS

U.S. HOUSE OF REPRESENTATIVES

WASHINGTON, DC 20515

November 7, 1990

ROBERT J. LEONARD, CHIEF COUNSEL AND STAFF DIRECTOR

PHILLIP D. MOSELEY, MINORITY CHIEF OF STAFF

The Honorable Anne Brunsdale
Acting Chairman
U.S. International Trade Commission
500 E Street, S.W.
Washington, D.C. 20436

Dear Madam Chairman:

It has come to my attention that, in light of budget considerations and the scheduled termination in March 1992 of the steel voluntary restraint arrangements, you have recommended that publication of the Monthly Report on the Status of the Steel Industry (Investigation No. 332-226 under section 332 of the Tariff Act of 1930) be changed to a quarterly basis. The Committee on Ways and Means has no objection to such a change.

To reflect this change, the report's title should be changed to "Quarterly Report on the Status of the Steel Industry." The report should contain the same annual information, and year-to-date cumulative data for the current and past year. Under a quarterly publication schedule, the steel reports should be published in March, June, September, and December of each year, beginning in 1991. The final report in June 1992 should include data through March of that year.

If at any time the Committee determines that monthly publication is again required, it will make a request to that effect in writing.

Thank you for your cooperation in this matter.

Sincerely yours


Dan Rostenkowski
Chairman

DR/jnj

C-1

Appendix C

Notice of Continuation of Investigation No. 332-226 in the
Federal Register

the order, *viz.*, a previous denial of entry, no longer existed.

This action is taken under the authority of section 337 of the Tariff Act of 1930 (19 U.S.C. 1337). The provisions of 19 CFR 211.57(b) with respect to serving notice on all former parties to Inv. No. 337-TA-276 and allowing a period of 30 days for the filing of answers were waived by the Commission in accordance with 19 CFR 201.4(b).

By order of the Commission.

Issued: December 28, 1989.

Kenneth R. Mason,
Secretary.

[FR Doc. 90-197 Filed 1-3-90; 8:45 am]
BILLING CODE 7020-02-M

[Investigation No. 701-TA-301
(Preliminary)]

Plastic Tubing Corrugators From Canada

Determination

On the basis of the record¹ developed in the subject investigation, the Commission determines,² pursuant to section 703(a) of the Tariff Act of 1930 (19 U.S.C. 1671b(a)), that there is no reasonable indication that an industry in the United States is materially injured, or is threatened with material injury, or the establishment of an industry in the United States is materially retarded, by reason of imports from Canada of plastic tubing corrugators, provided for in subheadings 8477.90.00 and 8477.40.00 of the Harmonized Tariff Schedule of the United States (formerly provided for in items 678.3535 and 678.3545 of the Tariff Schedules of the United States), that are alleged to be subsidized by the Government of Canada.

Background

On November 7, 1989, a petition was filed with the Commission and the Department of Commerce by Cullom Machine Tool & Die, Inc., Cleveland, TN, alleging that an industry in the United States is materially injured by reason of subsidized imports of plastic tubing corrugators and apparatus therefor from Canada. Accordingly, effective November 7, 1989, the Commission instituted preliminary countervailing duty investigation No. 701-TA-301 (Preliminary).

Notice of the institution of the Commission's investigation and of a

public conference to be held in connection therewith was given by posting copies of the notice in the Office of the Secretary, U.S. International Trade Commission, Washington, DC, and by publishing the notice in the *Federal Register* of November 15, 1989 (54 FR 47583). The conference was held in Washington, DC, on November 28, 1989, and all persons who requested the opportunity were permitted to appear in person or by counsel.

The Commission transmitted its determination in this investigation to the Secretary of Commerce on December 22, 1989. The views of the Commission are contained in USITC publication 2246 (December 1989), entitled "Plastic Tubing Corrugators from Canada: Determination of the Commission in Investigation No. 701-TA-301 (Preliminary) Under the Tariff Act of 1930, Together With the Information Obtained in the Investigation."

By order of the Commission.

Issued: December 28, 1989.

[FR Doc. 90-203 Filed 1-3-90; 8:45 am]
BILLING CODE 7020-02-M

[332-226]

Monthly Reports on the Status of the Steel Industry

AGENCY: United States International Trade Commission.

ACTION: Continuation of investigation and monthly reports.

FOR FURTHER INFORMATION CONTACT: Mr. Robert Mascola (202-252-1428), Minerals and Metals Division, U.S. International Trade Commission, Washington, DC 20436.

Background

As requested in a letter received on December 6, 1989, from the Chairman, Committee on Ways and Means, U.S. House of Representatives, the Commission will continue investigation No. 332-226, and will furnish to the Committee monthly reports on the status of the steel industry through March 31, 1992. This coincides with the President's program of transitional voluntary restraint agreements (VRAs).

As requested by the Committee, the reports will continue to follow the format of, and contain the same type of information as, the reports which the Commission has heretofore provided. The reports will provide historic and current year-to-date data for the industry as a whole on items such as production, employment, shipments, trade, and financial performance.

With respect to trade, information on imports of major carbon and specialty steel products (such as plate and wire) will be provided on a country-by-country basis or regional basis for each of the countries or regions subject to VRAs, and for other major suppliers. The data will show how imports of semifinished steel and other steel products relate to overall VRA limits.

In addition, information on market penetration in major products will be provided, as will information which will track imports into five major U.S. customs regions. Finally, the report will provide data on the unit values of imported steel.

Notice of institution of the investigation and of the initial series of reports was published in the *Federal Register* on April 23, 1986 (51 FR 15390).

Hearing impaired individuals are advised that information on this matter can be obtained by contacting our TDD terminal on (202) 252-1810.

By order of the Commission.

Issued: December 28, 1989.

Kenneth R. Mason,
Secretary.

[FR Doc. 90-195 Filed 1-3-90; 8:45 am]
BILLING CODE 7020-02-M

[Investigation No. 337-TA-290]

Certain Wire Electrical Discharge Machining Apparatus and Components Thereof; Commission Decision Not To Review an Initial Determination Terminating Two Respondents on the Basis of a Consent Order; Issuance of Consent Order

AGENCY: U.S. International Trade Commission.

ACTION: Notice.

SUMMARY: Notice is hereby given that the U.S. International Trade Commission has determined not to review an initial determination (ID) (Order No. 8) issued by the presiding administrative law judge (ALJ) granting a joint motion for termination of the investigation with respect to respondents Maruka Machinery Co., Ltd. and Maruka Machinery Corporation of America.

FOR FURTHER INFORMATION CONTACT: Craig L. McKee, Esq., Office of the General Counsel, U.S. International Trade Commission, 500 E Street, SW., Washington, DC 20436, telephone 202-252-1117. Hearing-impaired individuals are advised that information on this matter can be obtained by contacting the Commission TDD terminal on 202-252-1810.

¹ The record is defined in § 207.2(h) of the Commission's Rules of Practice and Procedure (19 CFR 207.2(h)).

² Chairman Brunedale and Vice Chairman Cass dissenting.

Appendix D

Notice of Change in Publication Frequency of Reports on the Status
of the Steel Industry in the Federal Register

On November 26, 1990, the Commission received a letter from Ambassador Carla A. Hills, the United States Trade Representative, stating that "We have concluded that we do not need further information on this subject at this time. Therefore, in the interest of conserving the Commission's resources, the investigation may be terminated at this time. A final report will not be needed."

Issued: December 3, 1990.

By Order of the Commission.

Kenneth R. Mason,
Secretary.

[FR Doc. 90-29114 Filed 12-11-90; 8:45 am]

BILLING CODE 7020-02-M

[332-226]

Quarterly Report on the Status of the Steel Industry

AGENCY: United States International Trade Commission.

ACTION: Change in publication frequency of reports on the status of the steel industry.

FOR FURTHER INFORMATION CONTACT:

Mr. Robert Mascola (202-252-1428), Minerals and Metals Division, U.S. International Trade Commission, Washington, DC 20436.

Background

In response to a letter on November 9, 1990, from the Chairman, Committee on Ways and Means, U.S. House of Representatives, the Commission approved a change in the frequency of publication of the reports on the status of the steel industry (investigation No. 332-226) from monthly to quarterly.

To reflect this change, the report's title will be changed to "Quarterly Report on the Status of the Steel Industry." The report will contain the same annual information, and year-to-date cumulative data for the current and past year. Under the quarterly publication schedule, reports will be published in March, June, September, and December during 1991, and in March and June during 1992.

The Committee has noted that if at any time it determines that monthly publication is again required, it will make a request to that effect to the Commission in writing.

Notice of the institution of the investigation and of the initial series of reports was published in the *Federal Register* on April 23, 1986 (51 FR 15390). Notice of continuation of the investigation was published in the *Federal Register* on January 4, 1990 (55 FR 372).

Hearing impaired individuals are advised that information on this matter can be obtained by contacting the Commission's TDD terminal on (202) 252-1810.

Issued: November 30, 1990.

By order of the Commission.

Kenneth R. Mason,
Secretary.

[FR Doc. 90-29115 Filed 12-11-90; 8:45 am]

BILLING CODE 7020-02-M

INTERSTATE COMMERCE COMMISSION

[Finance Docket No. 31778]

Dallas Area Rapid Transit Control Exemption, Dallas Area Rapid Transit Property Acquisition Corp.

AGENCY: Interstate Commerce Commission.

ACTION: Notice of exemption.

SUMMARY: The Commission exempts from the prior approval requirements of 49 U.S.C. 11343 *et seq.* Dallas Area Rapid Transit's continuance in control of Dallas Area Rapid Transit Property Acquisition Corporation, subject to standard labor protective conditions.

DATES: The exemption will be effective December 15, 1990. Petitions for reconsideration must be filed by January 2, 1991.

ADDRESSES: Send pleadings referring to Finance Docket No. 31778 to:

(1) Office of the Secretary, Case Control Branch, Interstate Commerce Commission, Washington, DC 20423

(2) DART's representatives:
Lonnie E. Blydes, Jr., Dallas Area Rapid Transit, 601 Pacific Area, Dallas, TX 75202

Peter A. Gilbertson, Kevin M. Sheys, Weiner, McCaffrey, Brodsky, Kaplan & Levin, P.C., Suite 800, 1350 New York Avenue NW., Washington, DC 20005-4797.

FOR FURTHER INFORMATION CONTACT: Joseph H. Dettmar, (202) 275-7245. [TDD for hearing impaired: (202) 275-1721.]

SUPPLEMENTARY INFORMATION:

Additional information is contained in the Commission's decision. To purchase a copy of that decision, write to, call, or pick up in person from: Dynamic Concepts, Inc., Room 2229, Interstate Commerce Commission Building, Washington, DC 20423. Telephone: (202) 289-4357/4359. [Assistance for the hearing impaired is available through TDD services (202) 275-1721.]

Decided: December 6, 1990.

By the Commission, Chairman, Philbin, Vice Chairman Phillips, Commissioners Simmons, Emmett, and McDonald.
Sidney L. Strickland, Jr.,
Secretary.

[FR Doc. 90-29196 Filed 12-11-90; 8:45 am]

BILLING CODE 7035-01-M

[No. 37063¹]

Increased Rates in Coal, L&N RR

October 31, 1978.

AGENCY: Interstate Commerce Commission.

ACTION: Notice of reasons for denying a petition to begin a rulemaking proceeding.

SUMMARY: On July 25, 1990 Southern Electric System, a group of six southern electric power companies, included a request for rulemaking with an appeal about a discovery ruling in this coal rate reasonableness proceeding. In the appeal decision we are denying the request to begin a rulemaking proceeding. We are publishing our reasons for the denial as required by 49 U.S.C. 10326(a).

FOR FURTHER INFORMATION CONTACT: Joseph H. Dettmar; (202) 275-7245. [TDD for hearing impaired: (202) 275-1721].

SUPPLEMENTARY INFORMATION:

Petitioner asked us to begin a rulemaking proceeding for the purpose of adopting discovery rules that will not allow disclosure of shipper-specific revenue information without the consent of the shipper, claiming that 49 U.S.C. 11910(a) mandates such an approach. However, section 11910(a) must be read in conjunction with 49 U.S.C. 11166 and 11166(a), which, respectively, authorize the release of cost data and authorize the ICC to obtain expense and revenue information for regulatory purposes. Petitioners contend that authorization to release "cost data" does not include release of revenue information. The last sentence of section 11166(a), however, reflects Congressional recognition that both expense and revenue information can be necessary for determining railroad costs in regulatory proceedings. Moreover, the constrained market pricing standards adopted in *Coal Rate Guidelines, Nationwide*, 1 I.C.C.2d 520 (1985); *aff'd Consolidated Rail Corp. v. U.S.*, 812 F.2d 1444 (3rd Cir. 1987),

¹ Includes that portion of Ex Parte No. 357, *Increased Freight Rates and Charges, Nationwide—8 Percent*, involving a requested 13-percent increase on coal rates on L&N and its connections. Also embraces No. 38025S, *The Dayton Power and Light Company v. Louisville and Nashville Railroad Company*.

Appendix E

Definitions of Certain Terms, and Descriptions of the Products
Subject to the Investigation

DEFINITIONS

1. Steel.--An alloy of iron and carbon which is malleable as first cast and which contains by weight 2 percent or less of carbon. Steel may contain other elements, but iron must predominate, by weight, over each of the other elements.

2. Carbon steel.--Steel, other than chromium, which contains by weight 2 percent or less of carbon, and in which none of the elements listed below meets or exceeds the quantity, by weight, respectively indicated:

1.65 percent of manganese, or
0.25 percent of phosphorus, or
0.35 percent of sulphur, or
0.60 percent of silicon, or
0.40 percent of copper, or
0.30 percent of aluminum, or
0.30 percent of chromium, or
0.30 percent of cobalt, or
0.40 percent of lead, or
0.30 percent of nickel, or
0.30 percent of tungsten, or
0.10 percent of any other metallic element.

3. Alloy steel.--Steel which contains any of the elements listed in definition 2 (above) in excess of its specified quantity.

(i) Stainless steel.--Any alloy steel which contains by weight 1.2 percent or less of carbon and 10.5 percent or more of chromium, with or without other elements.

(ii) Tool steel.--Alloy steel which contains the combinations of elements in the quantity, by weight, respectively indicated in Chapter XXII, subchapter III, section (viii) of the Harmonized Tariff Schedule of the United States (HTS).

4. Galvanized.--Steel which has been coated or plated with zinc.

5. Hot-rolled.--Steel which has been reduced to its final thickness by heating and rolling the product at elevated temperature (usually above 2,200° F).

6. Cold-rolled.--Steel which has been reduced to its final thickness by rolling the product without heating it immediately prior to the rolling operation.

7. Continuous casting.--The method of producing semifinished products in which molten steel flows evenly into a caster where it is rapidly cooled, causing it to solidify directly into semifinished products such as slabs and billets.

8. Short ton.--Two thousand (2,000) pounds.

Unlike the TSUSA system of classification, the HTS do not differentiate by dimension those steel products formerly referred to as blooms and billets, slabs and sheet bars, plate, sheet, and strip. Instead, these products are included in two larger categories: flat rolled and semifinished (described below). However, for purposes of comparability with previous Monthly Reports, and in the interest of providing useful information and coverage of the steel industry, this report will continue to designate such product categories (e.g. blooms and billets, slab and sheet bars, plate, hot-rolled and cold rolled sheet, and strip). A partial basis for classification are those definitions found in Federal Register Notice 52897, December 29, 1988.

9. Semifinished products include:

Continuous cast products of solid section, not presented in coils, whether or not subjected to primary hot-rolling.

Other products of solid section which have not been further worked than subjected to primary hot-rolling or roughly shaped by forging, including blanks, angles, shapes, or sections.

For the purposes of this legislation semi-finished products are classified as follows:

(i) Ingots.--Castings resulting from the solidification of molten steel and having a columnar form suitable for working by rolling or forging. Ingots are included in AISI (American Iron and Steel Institute) product group No. 1A.

(A) Carbon and certain alloy ingots; provided for in items 7206.10.0000, 7206.90.0000, 7224.10.0090 of the Harmonized Tariff Schedules of the United States (HTS).

(B) Stainless steel ingots; provided for in item 7218.10.0000 of the HTS.

(ii) Blooms billets, slabs, and sheet bars.--Other continuous cast products solid cross section, which have not been further worked than subjected to primary hot-rolling or roughly shaped by forging including blanks for angles, shapes or sections. These products are not presented in coils and are included in AISI product group No. 1B.

(B) Carbon and certain alloy blooms and billets; provided for in items 7207.11.0000, 7207.12.0010, 7207.19.0030, 7207.19.0090, 7207.20.0025, 7207.20.75, 7207.20.0090, 7224.90.0040, 7224.90.0060 of the HTS.

(C) Carbon and certain alloy slabs and sheet bars; provided for in items 7207.12.0050, 7207.20.0045, 7224.90.0050 of the HTS.

(D) Stainless steel blooms and billets; provided for in items 7218.90.0010, 7218.90.0020, 7218.90.0030, 7218.90.0045, 7218.90.0055, 7218.90.0065, 7218.90.0070, 7218.90.0080, 7218.90.0090 of the HTS.

(E) Stainless steel slabs and sheet bars; provided for in item 7218.90.0035 of the HTS.

10. Flat-rolled products.--Rolled products of solid rectangular (other than square) cross section, whether perforated, corrugated, polished, or with a pattern derived from rolling, which do not conform to the definition of semifinished products above in the form of:

- coils of successively superimposed layers, or
- straight lengths, which if of a thickness less than 4.75 mm are of a width measuring at least 10 times the thickness or if of a thickness of 4.75 mm or more are of a width which exceeds 150 mm and measures at least twice the thickness. Also those products of a shape other than rectangular or square of a width of 600 mm or more, not elsewhere specified.

(i) Plates.--Flat rolled products with a thickness equal to or exceeding 4.75 mm. Plates are included in AISI product group No. 6

(A) Carbon plate; provided for in items 7208.11.0000, 7208.12.0000, 7208.21.1000, 7208.21.5000, 7208.22.1000, 7208.22.5000, 7208.31.0000, 7208.32.0000, 7208.33.1000, 7208.33.5000, 7208.41.0000, 7208.42.0000, 7208.43.0000, 7210.90.1000, 7211.11.0000, 7211.12.0000, 7211.21.0000, 7211.22.0045, 7211.22.0090 of the HTS.

(B) Alloy plate; provided for in items 7225.30.3000, 7225.40.1015, 7225.40.3000, 7225.50.6000, 7226.91.5000 of the HTS.

(C) Stainless steel plate; provided for in items 7219.11.0000, 7219.12.0000, 7219.12.0030, 7219.12.0060, 7219.12.0080, 7219.21.0000, 7219.22.0000, 7219.31.0010, 7220.11.0000 of the HTS.

(ii) Sheets and strip.--Flat rolled products less than 4.75 mm in thickness. Sheet has a width equal to or exceeding 600 mm; strip width is less than 600 mm (but at least 10 times the thickness). Sheets and strip are included in AISI product group Nos. 28, 29, 29A, 30, 31, 32, 33A, 33B, 34, 325, 36, and 37. For the purposes of this investigation, sheets and strip are classified as follows:

(A) Hot-rolled carbon and alloy sheet; provided for in items 7208.13.1000, 7208.13.5000, 7208.14.1000, 7208.14.5000, 7208.23.1000, 7208.23.5030, 7208.23.5090, 7208.24.1000, 7208.24.5030, 7208.24.5090, 7208.34.1000, 7208.34.5000, 7208.35.1000, 7208.35.5000, 7208.44.0000, 7208.45.0000, 7225.30.5030, 7225.30.7000, 7225.40.5030, 7225.40.7000, 7226.91.1030, 7226.91.1530 of the HTS.

(B) Hot-rolled carbon and alloy strip; provided for in items 7211.19.1000, 7211.19.5000, 7211.29.1000, 7211.29.3000, 7211.29.5000, 7211.29.7030, 7211.29.7060, 7211.29.7090, 7226.91.2530, 7226.91.3030, 7226.91.7000, 7226.91.8000 of the HTS.

(C) Cold-rolled carbon and alloy sheet and strip:

(a) Black plate; provided for in item 7209.24.1000 of the HTS.

(b) Electrical sheet and strip; provided for in items 7225.10.0000, 7226.10.1000, 7226.10.5030, 7226.10.5060 of the HTS.

(c) Other sheet; provided for in items 7209.11.0000, 7209.12.0030, 7209.12.0090, 7209.13.0030, 7209.13.0090, 7209.14.0030, 7209.14.0090, 7209.21.0000, 7209.22.0000, 7209.23.0000, 7209.24.5000, 7209.31.0000, 7209.32.0000, 7209.33.0000, 7209.34.0000, 7209.41.0000, 7209.42.0000, 7209.43.0000, 7209.44.0000, 7210.70.3000, 7225.50.1030, 7225.50.7000, 7225.50.8000 of the HTS.

(d) Other strip; provided for in items 7211.30.1030, 7211.30.1090, 7211.30.3000, 7211.30.5000, 7211.41.1000, 7211.41.3030, 7211.41.3090, 7211.41.5000, 7211.41.7030, 7211.41.7060, 7211.41.7090, 7211.49.1030, 7211.49.1090, 7211.49.3000, 7211.49.5030, 7211.49.5060, 7211.49.5090, 7212.40.1000, 7212.40.5000, 7226.92.1030, 7226.92.3030, 7226.92.5000, 7226.92.7000, 7226.92.8000, 7226.99.0000 of the HTS.

(D) Galvanized sheet and strip; provided for in items 7210.31.0000, 7210.39.0000, 7210.41.0000, 7210.49.0030, 7210.49.0090, 7210.70.6030, 7210.70.6060, 7212.21.0000, 7212.29.0000, 7212.30.1030, 7212.30.1090, 7212.30.3000, 7212.30.5000 of the HTS.

(E) Tin plate; provided for in items 7210.11.0000, 7210.12.0000, 7212.10.0000 of the HTS.

(F) Tin free; provided for in item 7210.50.0000 of the HTS.

(G) Other metallic coated; provided for in items 7210.20.0000, 7210.60.0000, 7210.70.6090, 7210.90.6000, 7210.90.90000, 7212.50.0000, 7212.60.0000 of the HTS.

(H) Stainless steel hot-rolled sheet; provided for in items 7219.13.0030, 7219.13.0060, 7219.14.0030, 7219.14.0060, 7219.23.0030, 7219.23.0060, 7219.24.0030, 7219.24.0060 of the HTS.

(I) Stainless steel cold-rolled sheet; provided for in items 7219.32.0015, 7219.32.0030, 7219.32.0045, 7219.32.0060, 7219.33.0015, 7219.33.0030, 7219.33.0045, 7219.33.0060, 7219.34.0010, 7219.34.0050, 7219.35.0010, 7219.35.0050 of the HTS.

(J) Stainless steel strip; provided for in items 7220.12.1000, 7220.12.5000, 7220.20.1000, 7220.20.6000, 7220.20.7000, 7220.20.8000, 7220.20.9000, 7220.90.0000 of the HTS.

11. Bars.-- Hot-rolled products whether or not in irregularly wound coils, which have a solid cross section along their length in the shape of circles, segments of circles, ovals, rectangles (including squares), triangles, or other convex polygons. Such products may

- have indentations, ribs, grooves or other deformations produced during the rolling process (reinforcing bars and rods);
- be twisted after rolling

For purposes of this investigation the term "bars" also includes hollow drill steel, which is a hollow product suitable for making mining drills or mining drill rods, of which the greatest external dimension of the cross-section exceeds 15 mm but does not exceed 52 mm, and of which the greatest internal dimension does not exceed one-half of the greatest external dimension. Bars and hollow drill steel are found in AISI product groups nos. 14, 14A, 15, and 16.

For the purposes of this investigation, bars and light structural shapes are classified as follows:

(i) Hot-rolled carbon bars; provided for in items 7213.390060, 7213.49.0060, 7213.50.0060, 7214.10.0000, 7214.30.0000, 7214.40.0010, 7214.40.0030, 7214.40.0050, 7214.50.0010, 7214.50.0030, 7214.50.0050, 7214.60.0010, 7214.60.0030, 7214.60.0050, 7215.90.1000 of the HTS, and included in AISI product group No. 14.

(ii) Hot-rolled alloy bars; provided for in items 7227.20.0000, 7227.90.6000, 7228.20.1000, 7228.30.8000, 7228.40.0000, 7228.60.6000, 7228.80.0000 of the HTS, and included in AISI product group No. 14.

(iii) Cold-formed carbon bars; provided for in items 7215.10.0000, 7215.20.0000, 7215.30.0000, 7215.40.0000 7215.90.3000, 7215.90.5000 of the HTS, and included in AISI product group No. 16.

(iv) Cold-formed alloy bars; provided for in items 7228.20.5000, 7228.50.5000, 7228.60.8000 of the HTS, and included in AISI product group No. 16.

(v) Reinforcing carbon and certain alloy steel bars; which are hot-rolled steel bars, of solid cross section, having deformations of various patterns on their surfaces; provided for in items 7213.10.0000, 7214.20.0000 of the HTS, and included in AISI product group No. 15.

(vi) Light structural shapes; which are bar-size light shapes having a cross-sectional dimension of less than 7.62 cm provided for in items 7216.10.0010, 7216.10.0050, 7216.21.0000, 7216.22,0000, 7228.70.3060, 7228.70.3080 of the HTS, and included in AISI product group No. 14A.

(vii) Stainless steel bars and shapes; provided for in items 7221.00.0060, 7221.00.0080, 7222.10.0000, 7222.20.0030, 7222.20.0060, 7222.30.0000, 7222.40.3060, 7222.40.3080 of the HTS.

12. Wire rod and related products include:

(i) Wire rods.--Coiled, semifinished, hot-rolled products of solid cross section, approximately round in cross section, not under 14mm nor over 19mm in diameter. Wire rods are included in AISI product group No. 3.

For the purposes of this investigation, wire rod is classified as follows:

(A) Carbon steel wire rod; provided for in items 7213.31.3000, 7213.31.6000, 7213.39.0030, 7213.39.0090, 7213.41.3000, 7213.41.6000, 7213.49.0030, 7213.49.0090, 7213.50.0020, 7213.50.0040, 7213.50.0080 of the HTS.

(B) Alloy steel wire rod; provided for in items 7227.90.1030, 7227.90.2030, 7228.30.2000, 7228.50.1010, 7228.60.1030 of the HTS.

(C) Stainless steel wire rod; provided for in items 7221.00.0020, 7221.00.0040 of the HTS.

(ii) Steel wire.--Cold-formed products in coils, of any uniform solid cross section along their whole length, which do not conform to the definition of flat-rolled products. Steel wire is included in AISI product group No. 23.

For the purpose of this legislation, steel wire is classified as follows:

(A) Carbon steel wire; provided for in items 7217.11.1000, 7217.11.2000, 7217.11.3000, 7217.11.5020, 7217.11.5040, 7217.11.5060, 7217.11.5080, 7217.11.7030, 7217.11.7090, 7217.11.9000, 7217.12.1000, 7217.12.3030, 7217.12.3060, 7217.12.5000, 7217.12.7000, 7217.13.1000, 7217.13.3030, 7217.13.3060, 7217.13.5000, 7217.13.7000, 7217.19.5000, 7217.21.1000, 7217.21.3015, 7217.21.3030, 7217.21.3045, 7217.21.3060, 7217.21.3075, 7217.21.3090, 7217.21.5000, 7217.22.1015, 7217.22.1030, 7217.22.1050, 7217.22.5000, 7217.23.1015, 7217.23.1030, 7217.23.1050, 7217.23.5000, 7217.29.5000, 7217.31.1000, 7217.31.3015, 7217.31.3030, 7217.31.3045, 7217.31.3060, 7217.31.3075, 7217.31.3090, 7217.31.5000, 7217.32.1015, 7217.32.1030, 7217.32.1050, 7217.32.5000, 7217.33.1015, 7217.33.1030, 7217.33.1050, 7217.33.5000, 7217.39.5000 of the HTS.

(B) Alloy steel wire; provided for in items 7229.20.0000, 7229.90.1000, 7229.90.5015, 7229.90.5030, 7229.90.5050, 7229.90.9000 of the HTS.

(C) Stainless steel wire; provided for in items 7223.00.1015, 7223.00.1030, 7223.00.1045, 7223.00.1060, 7223.00.1075, 7223.00.5000, 7223.00.9000 of the HTS.

(iii) Carbon and certain alloy steel wire products as defined by the following:

(A) Nails and brads, spikes, staples, and tacks are fasteners, of one piece construction, made of round wire, and not including thumb tacks, staples in strip form, corrugated fasteners, glaziers' points, hook nails, ring nails, or fasteners suitable for use in power-actuated hand tools; as provided for in items 7317.00.1000, 7317.00.5505, 7317.00.5510, 7317.00.5520, 7317.00.5530, 7317.00.5540, 7317.00.5550, 7317.00.5560, 7317.00.5570, 7317.00.5580, 7317.00.5590, 7317.00.7500, 8305.20.0000 of the HTS. Nails and staples, are included in AISI product group No. 51 (pt.).

(B) Barbed wire is a wire, or strand of twisted wires, armed with barbs or sharp points; as provided for in item 7313.00.0000 of the HTS. Barbed wire is included in AISI product group No. 52.

(C) Wire expanded metal, grill and fencing include whether or not galvanized wholly of round wire with a maximum cross-sectional diameter of 3 mm or more, having a mesh size of 100 cm² or more, whether or not such wire is covered with plastics; as provided for in items 7314.20.0000, 7314.30.1000, 7314.30.5000, 7314.41.0000, 7314.41.0030, 7314.41.0060, 7314.42.0000, 7314.42.0030, 7314.42.0060, 7314.49.3000, 7314.49.6000, 7314.50.0000 of the HTS. The products are included in AISI product group No. 50.

(D) Baling wire and ties, with or without buckles or fastenings and whether or not coated with paint or other substance; as provided for in item 7326.20.0010 of the HTS and included in AISI product group No. 53.

(E) Wire strand is two or more wires which together constitute one of the parts which are twisted together to form rope, cord, or cordage, suitable for fencing purposes, not fitted with fittings, not made up into articles, not of brass plated wire, as provided for in items 7312.10.1030, 7312.10.1050, 7312.10.1060, 7312.10.1070, 7312.10.3005, 7312.10.3010, 7312.10.3012, 7312.10.3015, 7312.10.3020, 7312.10.3065, 7312.10.3070, 7312.10.3074, 7312.10.3075, 7312.10.3080, 7312.10.3090 of the HTS. Wire strand is included in AISI product group No. 41.

(F) Wire ropes, cables, and cordage are products made by the twisting of a number of wire strands and are not covered with nonmetallic material, not fitted with fittings, not made up into articles, and, if valued 13 cents or more per pound, not of brass plated wire; as provided for in items 7312.10.6000, 7312.10.9030, 7312.10.9060, 7312.10.9090 of the HTS. Wire ropes, cables, and cordage are included in AISI product group No. 47.

13. Structurals.--Nontubular products not conforming completely to the respective specifications set forth in the HTS for semi-finished, flat-rolled, bars and rod or wire.

(i) Heavy structural shapes having a maximum cross-sectional dimension of 7.62 cm or more, and sheet piling; as provided for in items 7216.31.0000, 7216.32.0000, 7216.33.0030, 7216.33.0060, 7216.33.0090, 7216.40.0010, 7216.40.0050, 7216.50.0000, 7222.40.3020, 7222.40.3040, 7228.70.3020, 7228.70.3040, 7301.10.0000 of the HTS and are included in AISI product group 4.

(ii) Fabricated structural units, which include columns, pillars, posts, beams, girders, and similar structural units; as provided for in items 7216.60.0000, 7216.90.0000, 7222.40.6000, 7228.70.6000, 7301.20.1000, 7301.20.5000, 7308.10.0000, 7308.20.0000, 7308.40.0000, 7308.90.3000, 7308.90.6000, 7308.90.9030, 7308.90.9090, 8430.49.4000 of the HTS. These products, are included in AISI product group No. 38 and 39.

14. Rails and related railway products as defined by the following:

(i) Rails are hot-rolled steel products, whether punched or not punched, weighing not less than 8 pounds per yard, with cross-sectional shapes intended for carrying wheel loads in railroad, railway, and crane runway applications; as provided for in items 7302.10.10, 7302.10.1015, 7302.10.1020, 7302.10.1025, 7302.10.1035, 7302.10.1040, 7302.10.1045, 7302.10.0055, 7302.10.1060, 7302.10.1065, 7302.10.1075, 7302.10.1080, 7302.10.5000, 7302.10.5020, 7302.10.5040, 7302.10.5060 of the HTS. Rails are included in AISI product group Nos. 7, 8 and 41.

(ii) Joint bars are hot-rolled steel products, usually punched or slotted, designed to connect the ends of adjacent rails in track; tie plates are hot-rolled steel products which are punched to provide holes for spikes and have one or two shoulder sections as rail guides and are used to support rails in track, to maintain track gauge, and protect the ties; all the foregoing, as provided for in items 7302.20.0000, 7302.30.0000, 7302.40.0000, 7302.90.0000 of the HTS. Joint bars and tie plates are included in AISI product group Nos. 9 and 42.

(iii) Railway track spikes, of one piece construction, used to secure tie plates or ties; as provided for in item 7317.00.6530, 7317.00.6560 of the HTS. Railway track spikes are included in AISI product group No. 51 (pt.).

(iv) Railroad and railway (RR) axles and wheels, parts thereof, and axle bars; as provided for in items 8607.19.1000, 8607.19.2000 of the HTS. These articles are included in AISI product group No. 43.

15. Pipes and tubes and blanks therefor.--Tubular products, including hollow bars and hollow billets but not including hollow drill steel, of any cross-sectional configuration, by whatever process made, whether seamless, brazed, or welded and whether with an open or lock seam or joint. For the purposes of this investigation, pipes and tubes and blanks therefor are classified as follows:

(i) Oil country tubular goods, provided for in items 7304.20.1000, 7304.20.2000, 7304.20.3000, 7304.20.4000, 7304.20.5010, 7304.20.5050, 7304.20.6010, 7304.20.6050, 7304.20.7000, 7304.20.8000, 7305.20.2000, 7305.20.4000, 7305.20.6000, 7305.20.8000, 7306.20.1030, 7306.20.1090, 7306.20.2000, 7306.20.3000, 7306.20.4000, 7306.20.6010, 7306.20.6050, 7306.20.8010, 7306.20.8050 of the HTS. Oil country tubular goods are included in AISI product group No. 19.

(ii) Line pipe; provided for in items 7304.10.1020, 7304.10.1050, 7304.10.1080, 7304.10.5020, 7304.10.5050, 7304.10.5080, 7305.11.1030, 7305.11.1060, 7305.11.5000, 7305.12.1030, 7305.12.1060, 7305.12.5000, 7305.19.1030, 7305.19.1060, 7305.19.5000, 7306.10.1010, 7306.10.1050, 7306.10.5010, 7306.10.5050 of the HTS. Line pipe is included in AISI product group No. 20.

(iii) Mechanical pipe; provided for in items 7304.31.3000, 7304.31.6050, 7304.39.0050, 7304.39.0075, 7304.51.0000, 7304.51.5090, 7304.59.1000, 7304.59.6000, 7304.59.8000, 7304.90.5000, 7304.90.7000, 7306.30.1000, 7306.30.5015, 7306.30.5020, 7306.30.5035, 7306.3.5060, 7306.30.5075, 7306.50.1000, 7306.50.5030, 7306.50.5050, 7306.50.5070, 7306.60.5000, 7306.60.7000 of the HTS. Mechanical pipe is included in AISI product group 21A.

(iv) Structural pipe; provided for in items 7304.90.1000, 7304.90.3000, 7305.31.2000, 7305.31.4000, 7305.31.6000, 7306.30.3000, 7306.50.3000, 7306.60.1000, 7306.60.3000 of the HTS. Structural pipe is included in AISI product category 22A.

(v) Pressure tubing; provided for in items 7304.31.6010, 7304.39.0005, 7304.51.5030, 7304.51.5050, 7304.59.2030, 7304.59.2050, 7306.30.5010, 7306.50.5010 of the HTS. Pressure tubing is included in AISI product category 21B.

(vi) Stainless steel pipes and tubes; provided for in items 7304.41.0010, 7304.41.0050, 7304.49.0010, 7304.49.0030, 7304.49.0050, 7306.40.1000, 7306.40.5010, 7306.40.5030, 7306.40.5050, 7306.40.5070 of the HTS. Stainless steel pipes and tubes are included in AISI product categories 21C and D.

(vii) Other, including standard; provided for in items 7304.39.0010, 7304.39.0015, 7304.39.0025, 7304.39.0030, 7304.39.0040, 7304.39.0060, 7304.39.0070, 7304.39.0090, 7305.39.1000, 7305.39.5000, 7305.90.1000, 7305.90.5000, 7306.30.5025, 7306.30.5028, 7306.30.5030, 7306.30.5032, 7306.30.5040, 7306.30.5050, 7306.30.5055, 7306.30.5065, 7306.30.5070, 7306.30.5080, 7306.30.5085, 7306.30.5090, 7306.90.1000, 7306.90.5000 of the HTS. Other, including standard pipe is included in AISI product categories 18, 21E and 22B.

16. Alloy tool steel (all forms) provided for in items 7224.10.0030, 7224.90.0010, 7224.90.0020, 7224.90.0030, 7225.20.0000, 7225.30.1000, 7225.30.5060, 7225.40.1090, 7225.40.5060, 7225.50.1060, 7226.20.0000, 7226.91.0500, 7226.91.1060, 7226.91.1560, 7226.91.2560, 7226.91.3060, 7226.92.1060, 7226.92.3060, 7227.10.0000, 7227.90.1060, 7227.90.2060, 7228.10.0010, 7228.10.0030, 7228.10.0060, 7228.30.4000, 7228.30.6000, 7228.50.1020, 7228.50.1040, 7228.50.1060, 7228.50.1080, 7228.60.1060, 7229.10.0000 of the HTS.

Alloy tool steel is included in AISI product group No. 17. Please refer to Notes section for further explanation.



Appendix F

U.S. Exports, by Country or Region of Destination, 1989, 1990,
and Specified Periods 1990 and 1991

Table F-1.--Steel mill products and certain fabricated steel products: U.S. exports, by specified markets, 1989, 1990, and by specified periods, 1990 and 1991

Market	1989	1990	January--March	
			1990	1991
Quantity (short tons)				
Countries				
Canada -----	643,884	1,777,729	320,047	500,733
Mexico -----	543,322	715,570	136,763	270,860
Japan -----	582,173	479,299	156,501	115,650
EC countries-----	374,638	323,345	56,445	90,866
Korea, Republic of -----	726,783	308,795	95,946	140,820
Thailand -----	103,740	62,662	30,566	4,655
Morocco -----	5,774	59,872	38,004	1/
Dominican Republic -----	51,350	52,485	20,121	4,756
Egypt -----	55,150	51,739	33,958	27,497
Indonesia -----	14,578	49,103	14,591	34,272
Ecuador -----	4,637	48,534	11,867	7,412
Soviet Union -----	163,232	46,394	30,874	518
Venezuela -----	19,028	34,098	1,391	15,953
Singapore -----	97,906	28,993	5,865	6,519
Pakistan -----	31,838	27,554	6,636	7,171
Guatemala -----	21,485	23,112	8,393	2,264
India -----	100,303	21,673	4,503	3,961
Hong Kong -----	25,945	19,903	4,341	3,540
Colombia -----	21,329	19,514	2,257	1,412
Nigeria -----	8,966	19,298	7,592	7,511
Taiwan -----	139,544	19,017	5,847	31,698
Australia -----	53,996	18,793	2,632	4,930
Turkey -----	57,318	18,161	1,852	5,194
Saudi Arabia -----	17,590	15,560	2,566	3,841
Brazil -----	29,556	15,404	1,434	2,844
Republic of South Africa -----	25,775	15,221	6,722	977
Peru -----	10,829	14,629	3,638	2,428
Costa Rica -----	22,106	13,646	7,391	1,477
Aruba -----	3,106	12,376	3,102	578
Bahamas -----	13,581	11,442	2,993	2,995
Trinidad and Tobago -----	15,730	10,735	1,009	2,562
Malaysia -----	1,034	10,674	2,665	11,077
Haiti -----	2,057	10,017	4,910	281
Israel -----	17,082	9,919	2,580	4,108
Peoples Rep of China -----	406,535	9,077	2,551	9,036
All others-----	279,694	135,557	40,690	24,025
Total -----	4,691,594	4,509,900	1,079,243	1,354,421

Less than 0.5 short ton.

Table F-2.--Steel mill products and certain fabricated steel products: U.S. exports, by specified markets, 1989, 1990, and by specified periods, 1990 and 1991--Continued

Market	1989	1990	January--March	
			1990	1991
Value (thousand dollars)				
Countries				
Canada -----	558,932	1,277,330	245,977	364,157
Mexico -----	424,868	530,191	107,181	171,365
Japan -----	243,922	174,776	54,615	43,023
EC countries-----	301,336	311,640	68,250	117,807
Korea, Republic of -----	304,055	132,114	38,496	57,692
Thailand -----	62,751	19,825	7,893	2,150
Morocco -----	3,369	19,140	11,183	3
Dominican Republic -----	21,641	18,187	6,615	2,147
Egypt -----	29,100	34,214	8,346	13,322
Indonesia -----	5,956	20,564	4,382	9,917
Ecuador -----	4,153	15,141	3,312	3,636
Soviet Union -----	106,763	21,483	13,494	963
Venezuela -----	23,276	31,273	2,154	15,253
Singapore -----	48,489	29,038	6,994	6,461
Pakistan -----	18,230	11,252	3,278	4,394
Guatemala -----	6,957	9,846	3,058	1,162
India -----	64,049	19,483	4,695	4,599
Hong Kong -----	20,029	13,015	2,647	4,088
Colombia -----	25,824	12,440	2,535	2,161
Nigeria -----	12,088	37,021	19,626	8,149
Taiwan -----	71,841	28,977	9,426	14,339
Australia -----	43,787	30,563	3,878	6,503
Turkey -----	30,149	10,587	1,297	4,282
Saudi Arabia -----	17,112	21,171	4,590	5,294
Brazil -----	22,194	23,006	4,265	4,437
Republic of South Africa -----	22,204	13,718	5,530	1,757
Peru -----	12,572	11,322	2,996	2,342
Costa Rica -----	9,461	6,043	1,904	1,974
Aruba -----	2,917	11,286	3,222	2,880
Bahamas -----	12,028	9,161	2,136	3,151
Trinidad and Tobago -----	14,713	12,637	1,022	3,433
Malaysia -----	2,941	6,955	1,601	4,229
Haiti -----	1,554	2,943	1,287	221
Israel -----	20,898	19,323	5,489	7,246
Peoples Rep of China -----	237,760	22,958	8,118	8,190
All others-----	214,955	175,337	60,942	32,213
Total-----	3,022,874	3,143,960	732,434	934,940

Table F-3.--Steel mill products and certain fabricated steel products: U.S. exports, by specified markets, 1989, 1990, and by specified periods, 1990 and 1991

Market	1989	1990	January--March	
			1990	1991
	Unit Value			
Countries				
Canada -----	868.06	718.52	768.57	727.25
Mexico -----	781.98	740.93	783.70	632.67
Japan -----	418.99	364.65	348.98	372.01
EC countries-----	804.34	963.80	1,209.15	1,296.48
Korea, Republic of -----	418.36	427.84	401.22	409.69
Thailand -----	604.89	316.38	258.24	461.94
Morocco -----	583.51	319.68	294.24	18,756.25
Dominican Republic -----	421.45	346.51	328.75	451.39
Egypt -----	527.65	661.28	245.76	484.48
Indonesia -----	408.57	418.79	300.32	289.37
Ecuador -----	895.54	311.97	279.07	490.60
Soviet Union -----	654.06	463.06	437.06	1,860.27
Venezuela -----	1,223.22	917.13	1,548.37	956.10
Singapore -----	495.26	1,001.55	1,192.53	991.13
Pakistan -----	572.56	408.35	493.97	612.74
Guatemala -----	323.82	426.00	364.40	513.14
India -----	638.56	898.97	1,042.58	1,161.11
Hong Kong -----	771.98	653.93	609.66	1,154.74
Colombia -----	1,210.76	637.50	1,123.25	1,530.68
Nigeria -----	1,348.16	1,918.35	2,585.09	1,084.94
Taiwan -----	514.83	1,523.72	1,612.22	452.37
Australia -----	810.93	1,626.28	1,473.31	1,318.88
Turkey -----	526.01	582.96	699.99	824.26
Saudi Arabia -----	972.84	1,360.56	1,788.70	1,378.11
Brazil -----	750.90	1,493.52	2,973.27	1,560.04
Republic of South Africa -----	861.45	901.25	822.70	1,797.95
Peru -----	1,160.90	773.99	823.43	964.40
Costa Rica -----	427.98	442.85	257.57	1,336.64
Aruba -----	939.12	911.98	1,038.54	4,987.13
Bahamas -----	885.69	800.61	713.65	1,052.25
Trinidad and Tobago -----	935.37	1,177.21	1,012.62	1,339.89
Malaysia -----	2,844.94	651.59	600.75	381.79
Haiti -----	755.25	293.83	262.08	788.05
Israel -----	1,223.40	1,948.18	2,127.11	1,763.95
Peoples Rep of China -----	584.84	2,529.13	3,181.94	906.41
All others-----	768.54	1,293.46	1,497.74	1,340.84
Total-----	644.32	697.12	678.65	690.29

Appendix G

Arrangement Products Exported During October 1984-December
1985, 1986, 1987, 1988 and January-September 1989

Table G-1
Arrangement Products Exported during October 1984 through December 1985

(Metric Tons)

Country ¹	Actual exports	Final 15-month export ceiling	Percent of export ceiling filled	Tonnage exceeding limits
Australia.....	181,918	190,623	95.4	-8,705
Brazil.....	1,760,482	1,806,681	97.4	-46,199
Czechoslovakia.....	44,418	44,418	100.0	0
East Germany.....	136,080	137,981	98.6	-1,901
EC-10 ²	4,403,871	4,401,534	100.1	2,337
Finland.....	252,826	254,752	99.2	-1,926
Hungary.....	28,626	62,370	45.9	-33,744
Japan.....	6,711,886	6,218,545	107.9	493,341
Korea.....	2,196,426	2,129,460	103.1	66,966
Mexico.....	367,161	476,417	77.1	-109,256
Poland.....	112,863	102,060	110.6	10,803
Portugal.....	145,648	118,842	122.6	26,806
Romania.....	329,027	326,590	100.7	2,437
Spain.....	693,265	693,938	99.9	-673
South Africa.....	531,821	554,654	95.9	-22,833
Venezuela.....	373,262	416,431	89.6	-43,169
Yugoslavia.....	84,280	62,763	134.3	21,517
Total.....	18,353,860	17,998,059	102.0	355,801

¹No agreement was in place in this time period for Austria, People's Republic of China, and Trinidad and Tobago.

²Excludes Spain and Portugal.

Table G-2
Arrangement Products Exported during 1986

(Metric Tons)

Country ¹	Actual exports	Final 1986 export ceiling	Percent of export ceiling filled	Tonnage exceeding limits
Australia.....	203,595	208,993	97.42	-5,398
Austria.....	121,431	120,284	100.95	1,147
Brazil.....	1,183,446	1,238,947	95.52	-55,501
Czechoslovakia.....	32,615	37,014	88.12	-4,399
East Germany.....	83,411	83,927	99.39	-516
EC-10 ²	4,837,051	4,713,349	102.62	123,702
Finland.....	178,490	173,057	103.14	5,433
Hungary.....	20,954	30,845	67.93	-9,891
Japan.....	3,837,715	4,046,011	94.85	-208,296
Korea.....	1,445,928	1,401,403	103.18	44,525
Mexico.....	335,076	342,850	97.73	-7,774
Poland.....	61,773	71,905	85.91	-10,132
Portugal.....	18,406	18,571	99.11	-165
Romania.....	81,273	84,372	96.33	-3,099
Spain.....	543,244	582,203	93.31	-38,959
Venezuela.....	141,580	158,914	89.09	-17,334
Yugoslavia.....	13,316	13,295	100.16	21
Total.....	13,139,304	13,325,940	98.60	-186,636

¹No agreement was in place at this time for the People's Republic of China and Trinidad and Tobago.

²Excludes Spain and Portugal.

Table G-3
Arrangement Products Exported during 1987

(Metric Tons)

Country	Actual exports	Final 1987 export ceiling	Percent of export ceiling filled	Tonnage exceeding limits
Australia.....	204,955	217,399	94.28	-12,444
Austria.....	123,341	160,031	77.07	-36,690
Brazil.....	1,314,650	1,256,036	104.67	58,614
Czechoslovakia.....	37,400	37,875	98.75	-475
East Germany.....	93,490	98,796	94.63	-5,306
EC-10 ¹	4,685,700	4,780,998	98.01	-95,298
Finland.....	167,308	171,997	97.27	-4,689
Hungary.....	30,257	30,845	98.09	-588
Japan.....	4,167,471	4,757,619	87.60	-590,148
Korea.....	1,445,030	1,463,808	98.72	-18,778
Mexico.....	311,986	358,962	86.91	-46,976
People's Republic of China.....	56,714	61,689	91.94	-4,975
Poland.....	93,144	93,338	99.79	-194
Portugal.....	30,718	31,613	97.19	-895
Romania.....	97,397	107,411	90.68	-10,014
Spain.....	477,433	579,042	82.45	-101,609
Trinidad & Tobago...	73,585	59,866	122.92	13,719
Venezuela.....	225,718	240,679	93.78	-14,961
Yugoslavia.....	10,979	10,141	108.26	838
Total.....	13,647,276	14,518,145	94.00	-870,869

¹Excludes Spain and Portugal.

Table G-4
Arrangement Products Exported during 1988

(Metric Tons)

Country	Actual exports	Final 1988 export ceiling	Percent of export ceiling filled	Tonnage exceeding limits
Australia.....	229,854	242,764	94.68	-12,910
Austria.....	119,958	221,186	54.23	-101,228
Brazil.....	1,138,533	1,238,507	91.93	-99,974
Czechoslovakia.....	26,741	35,777	74.74	-9,036
East Germany.....	86,704	98,472	88.05	-11,768
EC-10 ¹	4,770,649	5,673,758	84.08	-903,109
Finland.....	190,385	223,348	85.24	-32,963
Hungary.....	30,481	30,845	98.82	-364
Japan.....	4,124,771	5,722,082	72.09	-1,597,311
Korea.....	1,359,248	1,760,326	77.22	-401,078
Mexico.....	372,847	451,123	82.65	-78,276
People's Republic of China.....	63,300	70,293	90.05	-6,993
Poland.....	73,153	77,411	94.50	-4,258
Portugal.....	15,115	26,564	56.90	-11,449
Romania.....	81,768	99,783	81.95	-18,015
Spain.....	498,811	691,736	72.11	-192,925
Trinidad & Tobago...	34,685	39,486	87.84	-4,801
Venezuela.....	127,851	195,145	65.52	-67,294
Yugoslavia.....	12,574	18,140	69.32	-5,566
Total.....	13,357,428	16,916,746	78.96	-3,559,318

¹Excludes Spain and Portugal.

Table G-5
Arrangement Products Exported during January through September 1989

(Metric Tons)

Country	Actual exports	Final 1989 export ceiling	Percent of export ceiling filled	Tonnage exceeding limits
Australia.....	143,372	171,774	83.47	-28,402
Austria.....	68,383	154,384	44.29	-86,001
Brazil.....	863,721	1,008,569	85.64	-144,848
Czechoslovakia.....	17,644	28,231	62.50	-10,587
East Germany.....	35,237	74,845	47.08	-39,608
European Community ¹	3,018,777	4,382,688	68.88	-1,363,911
Finland.....	110,301	162,086	68.05	-51,785
Hungary.....	21,544	23,133	93.13	-1,589
Japan.....	2,604,827	4,148,053	62.80	-1,543,226
Korea.....	783,176	1,311,290	59.73	-528,114
Mexico.....	298,401	456,153	65.42	-157,752
People's Republic of China.....	41,398	55,205	74.99	-13,807
Poland.....	54,885	62,627	87.64	-7,742
Romania.....	42,268	69,334	60.96	-27,066
Trinidad & Tobago...	36,584	39,901	91.69	-3,317
Venezuela.....	134,776	154,351	87.32	-19,575
Yugoslavia.....	6,719	16,421	40.92	-9,702
Total.....	8,282,013	12,319,045	67.23	-4,037,032

¹Includes Spain and Portugal.

Appendix H

May 1991 VRA Signatories' Ceilings Tables Based on Apparent
Consumption Forecasts of DRI

EUROPEAN COMMUNITIES
 May 1991 Forecast of 1991 U.S. Apparent Consumption of
 Arrangement Products Subject to Export Licensing
 (Metric Tons)

Categories	Apparent Consumption Forecast for 1991 (1,000s)*	Arrangement I.P.	Unadjusted 1991 Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted 1991 Export Ceiling
Semi-Finished Products	77,620	0.76%	589,912	66,119	+++	656,031
Slab	n/a	***	542,719	60,830	+++	603,549
Plate	4,599	7.13%	327,909	37,766	+++	365,675
Hot Rolled Sheet	13,981	7.29%	1,019,215	112,132	+++	1,131,347
Cold Rolled Sheet	10,609	5.94%	630,175	64,467	+++	694,642
Black Plate	341	12.84%	43,784	4,653	+++	48,437
Cold Rolled Strip	465	5.34%	24,831	2,982	+++	27,813
Electrical Sheet and Strip	416	4.98%	20,717	2,307	+++	23,024
Stainless Plate	90	5.89%	5,301	0	+++	5,301
Stainless Sheet and Strip	958	5.94%	56,905	6,064	+++	62,969
Tin Plate	2,515	2.96%	74,444	7,994	+++	82,438
Tin-Free Steel	880	4.22%	37,136	3,683	+++	40,819
Other Coated Flat Rolled Pr	10,146	4.51%	457,585	52,767	+++	510,352
Electrogalvanized	n/a	***	114,396	13,192	+++	127,588
Rebar	3,928	0.09%	3,535	440	+++	3,975
Hot Finished Bar	5,544	3.09%	171,310	18,313	+++	189,623
Cold Finished Bar	1,252	6.63%	83,008	8,592	+++	91,600
Stainless Bar	146	7.40%	10,804	1,131	+++	11,935
Carbon Wire Rod	4,333	5.70%	246,981	27,465	+++	274,446
Stainless Wire Rod	46	13.16%	6,054	0	+++	6,054
Alloy Wire Rod	136	19.68%	26,765	2,818	+++	29,583
Bar Shapes Under 80mm	1,133	2.48%	28,098	3,506	+++	31,604
Structurals	4,646	14.15%	657,350	76,930	+++	734,280
Sheet Piling	271	23.70%	64,326	7,528	+++	71,854
Fabricated Structurals	n/a	****	16,546	1,655	+++	18,201
Stainless Wire	32	15.34%	4,909	528	+++	5,437
Wire Strand	n/a	****	49,800	4,980	+++	54,780
Wire Rope	n/a	****	9,800	980	+++	10,780
Carbon/Alloy Wire	n/a	****	182,600	18,260	+++	200,860
Wire Products	n/a	****	25,500	2,550	+++	28,050
Rails	475	9.26%	43,985	4,993	+++	48,978
Rail Products	n/a	****	3,900	390	+++	4,290
Total Pipe and Tube	6,271	8.82%	553,102	54,486	+++	607,588
OCTG	1,532	9.00%	137,880	12,506	+++	150,386
Alloy Tool Steel	70	11.02%	7,714	(300)	+++	7,414
Other Specialty Steel	n/a	****	12,100	1,210	+++	13,310

* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

*** Subcategory ceiling is a fixed percentage of the larger category.

**** Export ceilings are fixed tonnages.

n/a Not Applicable

+++ Not yet available

29

MEXICO

May 1991 Forecast of 1991 U.S. Apparent Consumption of Arrangement Products Subject to Export Licensing During the Final Period of January 1, 1991 through March 31, 1992 (Metric Tons)

Categories	Apparent Consumption Forecast for the Final Period (1,000s)#*a	Arrangement I.P.	Unadjusted Final Period Ceilings	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Final Period Export Ceiling
Semi-Finished Steel	97,025	0.27%	261,968	+++	+++	261,968
C/A Flat Rolled	38,014	0.33%	125,445	+++	+++	125,445
C/A HR Sheet and Strip	17,476	0.27%	47,186	+++	+++	47,186
C/A CR Sheet and Strip	14,269	0.22%	31,391	+++	+++	31,391
Plate	5,749	0.81%	46,565	+++	+++	46,565
Stainless Flat Rolled	1,310	1.02%	13,362	+++	+++	13,362
Coated Flat Rolled	16,926	0.77%	130,332	+++	+++	130,332
Bar and Rod	19,231	1.15%	221,159	+++	+++	221,159
Carbon CF Bar	1,280	0.62%	7,936	+++	+++	7,936
Carbon Wire Rod	5,416	2.51%	135,948	+++	+++	135,948
Stainless Bar and Rod	240	0.03%	72	+++	+++	72
Angles, Shapes, Sections/Rail and Rail Products	8,483	0.83%	70,405	+++	+++	70,405
Wire and Wire Products	1,693	3.47%	58,730	+++	+++	58,730
Wire Rope	204	2.94%	5,990	+++	+++	5,990
Wire Strand	n/a	***	2,317	+++	n/a	2,317
Panels and Mesh	1,653	1.00%	16,525	+++	+++	16,525
Other Wire and Wire Products and Fence	1,653	2.10%	34,703	+++	+++	34,703
Pipe and Tube	7,839	2.95%	231,243	+++	+++	231,243
OCTG	1,915	2.60%	49,790	+++	+++	49,790
Line Pipe	2,231	4.17%	93,043	+++	+++	93,043
Standard Pipe	2,039	4.83%	98,472	+++	+++	98,472
Tool Steel	88	0.36%	315	+++	+++	315

Final Period Apparent Consumption is defined as 1.25 * Forecasted 1991 Apparent Consumption

* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

a For the Panels and Mesh and the Other Wire and Wire Products and Fence categories, Other Wire and Wire Products is used.

*** Export ceiling is fixed tonnage.

+++ Not yet available

n/a Not Applicable

J A P A N

May 1991 Forecast of U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing During the
Final Period of January 1, 1991 through March 31, 1992
(Metric Tons)

Categories	Apparent Consumption Forecast for the Final Period (1,000s)#*	Arrangement I.P.	Unadjusted Final Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Final Period Export Ceiling
Semi-Finished Steel	97,025	0.088%	85,382	+++	+++	85,382
Plate	5,861	1.050%	61,543	+++	+++	61,543
Sheet and Strip	50,389	6.090%	3,068,675	+++	+++	3,068,675
Cold Rolled Sheet and Strip	14,269	4.870%	694,888	+++	+++	694,888
Coated Sheet and Strip	12,683	12.500%	1,585,313	+++	+++	1,585,313
Electrogalvanized	2,660	16.820%	447,412	+++	+++	447,412
Electrical Sheet and Strip	520	7.090%	36,868	+++	+++	36,868
Tin Plate	3,144	6.150%	193,341	+++	+++	193,341
Tin-Free Steel	1,100	7.030%	77,330	+++	+++	77,330
Bar	13,405	0.640%	85,792	+++	+++	85,792
Cold Finished	1,565	2.130%	33,335	+++	+++	33,335
Stainless Bar	183	10.470%	19,108	+++	+++	19,108
Wire Rod and Wire Products	7,279	6.400%	465,840	+++	+++	465,840
Carbon/Alloy Wire Rod	5,586	6.300%	351,934	+++	+++	351,934
Stainless Rod	58	10.440%	6,003	+++	+++	6,003
Structural Shapes	8,483	7.550%	640,429	+++	+++	640,429
Rail and Rail Products	955	10.150%	96,933	+++	+++	96,933
Fabricated Structural	n/a	***	63,066	+++	n/a	63,066
Welded H-Beams	n/a	***	37,500	+++	n/a	37,500
Pipe and Tube	7,839	9.190%	720,381	+++	+++	720,381
OCTG	1,915	9.660%	184,989	+++	+++	184,989
Line Pipe	2,231	16.480%	367,710	+++	+++	367,710
Structural Pipe	455	12.760%	58,058	+++	+++	58,058
Alloy Tool Steel	88	5.890%	5,154	+++	+++	5,154

Final Period Apparent Consumption is defined as 1.25 * Forecasted 1991 Apparent Consumption.

* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

*** Export ceilings are fixed tonnages.

+++ Not yet available

n/a Not Applicable

29 1991

A U S T R A L I A

May 1991 Forecast of 1991 U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing
(Metric Tons)

Categories	Apparent Consumption Forecast for 1991 (1,000s)*	Arrangement I.P.	Unadjusted 1991 Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted 1991 Export Ceiling
Semi-Finished Steel	77,620	0.174%	135,059	+++	+++	135,059
Coated Flat Rolled	13,541	1.063%	143,941	+++	+++	143,941
Other Flat Rolled	31,459	0.169%	53,166	+++	+++	53,166
Pipe and Tube	6,271	0.436%	27,342	+++	+++	27,342
Other Finished Steel	23,595	0.102%	24,067	+++	+++	24,067

* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

+++ Not yet available

FINLAND

May 1991 Forecast of 1991 U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing
(Metric Tons)

Categories	Apparent Consumption Forecast for 1991 (1,000s)*	Arrangement I.P.	Unadjusted 1991 Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted 1991 Export Ceiling
Semi-Finished	77,620	0.016%	12,419	6,000	+++	18,419
Carbon/Alloy Flat Rolled	30,411	0.442%	134,417	4,500	+++	138,917
Cold Rolled Sheet	10,950	0.114%	12,483	+++	+++	12,483
Cold Rolled Strip	465	0.457%	2,125	+++	+++	2,125
Stainless Flat Rolled	1,048	0.978%	10,249	+++	+++	10,249
Coated Flat Rolled	13,541	0.130%	17,603	+++	+++	17,603
Galvanized Sheet	8,889	0.130%	11,556	+++	+++	11,556
Bar and Rod	15,385	0.037%	5,692	1,500	+++	7,192
Carbon Cold Finished Bar	1,024	0.010%	102	+++	+++	102
Wire and Wire Products	1,354	0.024%	325	+++	+++	325
Pipe and Tube	6,271	0.140%	8,779	+++	+++	8,779
OCTG	1,532	0.200%	3,064	+++	+++	3,064
Other Steel Products	6,856	0.012%	823	+++	+++	823

* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

+++ Not yet available

A U S T R I A

May 1991 Forecast of 1991 U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing
(Metric Tons)

Categories	Apparent Consumption Forecast for 1991 (1,000s)	Arrangement I.P.	Unadjusted 1991 Ceiling*	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted 1991 Export Ceiling
Flat Rolled Products	45,000	0.30%	135,000	+++	+++	135,000
Stainless Bar	n/a	***	250	+++	+++	25
Stainless Rod	n/a	***	250	+++	+++	25
OCTG	1,532	1.40%	21,448	+++	+++	21,448
Other Pipe and Tube	4,739	0.30%	14,217	+++	+++	14,217
Other Steel Products	26,087	0.11%	28,696	+++	+++	28,696
Alloy Tool Steel	70	4.00%	2,800	+++	+++	2,800

* Minimum unadjusted ceiling for Alloy Tool Steel is 3,000 metric tons.

*** Export ceilings are fixed tonnages.

+++ Not yet available

K O R E A

May 1991 Forecast of U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing During the
Final Period of January 1, 1991 through March 31, 1992
(Metric Tons)

Categories	Apparent Consumption Forecast for the Final Period (1,000s)#*	Arrangement I.P.	Unadjusted Final Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Final Period Export Ceiling
Semi-Finished Steel	97,025	0.271%	262,938	+++	+++	262,938
Plate	5,749	1.170%	67,260	+++	+++	67,260
Sheet and Strip	49,191	2.380%	1,170,752	+++	+++	1,170,752
HR S & S	17,476	3.160%	552,250	+++	+++	552,250
CR S & S	14,269	2.520%	359,573	+++	+++	359,573
C/A Strip	n/a	***	1,500	+++	n/a	1,500
Coated	12,683	1.800%	228,285	+++	+++	228,285
Electro-Galv	n/a	***	33,750	+++	n/a	33,750
Electrical	n/a	***	1,500	+++	n/a	1,500
Stainless Flat-Rolled	1,310	0.940%	12,314	+++	+++	12,314
Bar	13,405	0.640%	85,792	+++	+++	85,792
Stainless Bar	183	1.600%	2,920	+++	+++	2,920
Wire, Wire Rod & Wire Prod.	7,279	2.430%	176,874	+++	+++	176,874
Stainless Wire	n/a	***	1,125	+++	n/a	1,125
C/A Wire	n/a	***	10,625	+++	n/a	10,625
Stainless Rod	58	1.980%	1,139	+++	+++	1,139
Structurals	8,483	1.380%	117,059	+++	+++	117,059
Rails	594	0.650%	3,859	+++	+++	3,859
Fab. Structurals	n/a	***	68,040	+++	n/a	68,040
Wire Rope	n/a	***	57,500	+++	n/a	57,500
Wire Strand	n/a	***	36,751	+++	n/a	36,751
Pipe & Tube	7,839	7.900%	619,261	+++	+++	619,261
Structural	455	4.430%	20,157	+++	+++	20,157
OCTG	1,915	2.900%	55,535	+++	+++	55,535
Standard	2,039	17.930%	365,548	+++	+++	365,548
Alloy Tool Steel	88	2.160%	1,890	+++	+++	1,890

Final Period Apparent Consumption is defined as 1.25 * Forcasted 1991 Apparent Consumption.

* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

*** Export ceilings are fixed tonnages.

+++ Not yet available

n/a Not Applicable

V E N E Z U E L A

May 1991 Forecast of 1991 U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing During the
Final Period of January 1, 1991 through March 31, 1992
(Metric Tons)

Categories	Apparent Consumption Forecast for the Final Period (1,000s)#*	Arrangement I.P.	Unadjusted Final Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Final Period Export Ceiling

Carbon/Alloy Flat-Rolled and						
Stainless	39,324	0.223%	87,692	+++	+++	87,692
Coated Flat-Rolled	16,926	0.195%	33,006	+++	+++	33,006
Bar and Rod	19,231	0.358%	68,848	+++	+++	68,848
Carbon Wire Rod	5,416	0.339%	18,361	+++	+++	18,361
Rebar	4,910	0.754%	37,021	+++	+++	37,021
Pipe & Tube	7,839	0.844%	66,159	+++	+++	66,159
OCTG	1,915	0.000%	0	+++	+++	0
Line	2,231	2.246%	50,114	+++	+++	50,114
Standard	2,039	0.540%	11,009	+++	+++	11,009
Other Steel Products	10,263	0.129%	13,239	+++	+++	13,239
Semi-Finished	97,025	0.069%	66,947	+++	+++	66,947

Final Period Apparent Consumption is defined as 1.25 * Forecasted 1991 Apparent Consumption.

* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

+++ Not yet available

B R A Z I L

May 1991 Forecast of 1991 U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing
(Metric Tons)

Categories	Apparent Consumption Forecast for 1991 (1,000s)*	Arrangement I.P.	Unadjusted 1991 Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted 1991 Export Ceiling
Semi-Finished Products	77,620	1.057%	820,443	+++	+++	820,443
Billets	n/a	***	173,409	+++	n/a	173,409
Plate	4,689	1.444%	67,709	+++	+++	67,709
Hot Rolled Sheet and Strip	13,981	1.226%	171,407	+++	+++	171,407
Cold Rolled Sheet and Strip	12,373	1.173%	145,135	+++	+++	145,135
Cold Rolled Strip	465	3.318%	15,429	+++	+++	15,429
Other Sheet and Strip	13,957	0.188%	26,239	+++	+++	26,239
Tin Plate	2,515	0.168%	4,225	+++	+++	4,225
Electrical Sheet and Strip	416	0.209%	869	+++	+++	869
Electrogalvanized Sheet	2,128	0.100%	2,128	+++	+++	2,128
C/A Hot Finished Bar	9,472	1.284%	121,620	+++	+++	121,620
C/A Cold Finished Bar	1,252	0.934%	11,694	+++	+++	11,694
C/A Wire Rod	4,469	1.953%	87,280	+++	+++	87,280
Angles, Shapes, Sections	6,311	0.450%	28,399	+++	+++	28,399
Structurals	4,917	0.185%	9,096	+++	+++	9,096
Rail Products	261	3.245%	8,469	+++	+++	8,469
Wire and Wire Products	1,322	2.010%	26,572	+++	+++	26,572
Wire Strand	n/a	***	5,534	+++	n/a	5,534
Wire Rope	163	0.676%	1,102	+++	+++	1,102
Rails	475	0.000%	0	+++	+++	0
OCTG	n/a	***	2,000	+++	n/a	2,000
Line Pipe	1,785	4.724%	84,323	+++	+++	84,323
Other Pipe and Tubes	2,954	2.192%	64,752	+++	+++	64,752
Standard Pipe	1,631	3.408%	55,584	+++	+++	55,584
Structural Pipe	364	1.218%	4,434	+++	+++	4,434
Mechanical Pipe	813	0.865%	7,032	+++	+++	7,032
Stainless and Pressure Pipe	141	1.261%	1,778	+++	+++	1,778
Specialty Products	294	3.088%	9,079	+++	+++	9,079
Stainless Bar	146	2.848%	4,158	+++	+++	4,158
Stainless Wire Rod and Wire	78	3.704%	2,889	+++	+++	2,889
Alloy Tool Steel	70	2.712%	1,898	+++	+++	1,898

* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

*** Export ceilings are fixed tonnages.

+++ Not yet available

n/a Not Applicable

1991 Export Ceilings of Fixed Tonnage Countries
(Metric Tons)

P O L A N D

Product Category -----	Tons ----
Plate	30,000
Stainless Bars	0
Stainless Rod	0
Wire Rod	10,000
Structurals	30,000
Wire and Wire Products	25,000
OCTG	0
Other Pipe & Tube	10,000
All Other Steel Products	9,650
Alloy Tool Steel	350
Total	115,000

E A S T G E R M A N Y

Product Category -----	Tons ----
Flat Rolled Products	54,000
Stainless Bars	0
Stainless Rod	0
Wire Rod	20,000
OCTG	0
Other Pipe & Tube	6,000
All Other Steel Products	10,000
Alloy Tool Steel	0
Total	90,000

Y U G O S L A V I A

Product Category -----	Tons ----
Stainless Bars	500
Stainless Rod	1,500
Wire and Wire Products	14,000
OCTG	0
Other Pipe & Tube	11,000
Other Steel Products	23,000
Alloy Tool Steel	0
Total	50,000

H U N G A R Y

Product Category -----	Tons ----
Flat Rolled Products	33,000
Stainless Bars	200
Stainless Rod	200
OCTG	0
All Other Steel Products	6,500
Alloy Tool Steel	100
Total	40,000

C Z E C H O S L O V A K I A

Product Category -----	Tons ----
Flat Rolled Products	16,000
Stainless Bars	100
Stainless Rod	200
Wire Rod	11,000
OCTG	2,000
All Other Steel Products	4,000
Alloy Tool Steel	200
Total	33,500

R O M A N I A

Product Category -----	Tons ----
Plate	65,500
Sheet & Strip	5,000
Stainless Bars	200
Stainless Rod	200
OCTG	2,000
Other Pipe & Tube	23,000
All Other Steel Products	4,000
Alloy Tool Steel	100
Total	100,000

1991 Export Ceilings of Fixed Tonnage Countries
(Metric Tons)

THE PEOPLE'S REPUBLIC
OF CHINA

Product Category	Metric Tons
-----	-----
Nails	36,000
All Other Steel Products	38,500
Total	74,500

TRINIDAD AND TOBAGO

Product Category	Net Tons
-----	-----
Semi-Finished Steel	24,250
Bars and Rod	91,000
Wire Rod	70,000
All Other Steel Products	4,750
Total	120,000