MONTHLY REPORT ON THE STATUS OF THE STEEL INDUSTRY

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

USITC PUBLICATION 2258

FEBRUARY 1990

United States International Trade Commission
Washington, DC 20436

UNITED STATES INTERNATIONAL TRADE COMMISSION

COMMISSIONERS

Anne E. Brunsdale, Chairman
Ronald A. Cass, Vice Chairman
Alfred E. Eckes
Seeley G. Lodwick
David B. Rohr
Don E. Newquist

Office of Industries
Robert Rogowsky, Director

This report was prepared principally by

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

Monthly Review: Korea[1]

Production

The past 5 years have exhibited growth of the Korean steel industry. Production of raw steel increased by 47 percent from 14.3 million short tons in 1984 (1.8 percent of world production) to 24.1 million in 1989 (2.8 percent), making Korea the eighth largest steel producer in the world. The growth principally reflects the expansion of Pohang Iron and Steel Co. (Posco), which accounts for about 70 percent of total Korean raw steel production. Posco, which produces steel at its Pohang and Kwangyang Bay plants, is currently completing phase three of a four-phase steel mill project at the Kwangyang works. With the completion of the Kwangyang facility (by 1992), total production capacity in the country is expected to reach 30 million short tons. Industry officials indicate that further expansion is unlikely, given current demand forecasts. Efforts will instead be focused on diversification and upgrading the mix of products produced.

Trade

Korea is a major trader of steel, exporting about one-third of its production. Foreign shipments totaled 7.7 million short tons (4.1 percent of world exports) in 1988, up 18 percent from the 6.5 million tons (3.7 percent of world exports) exported in 1984. Shifts occurred in Korea's major country markets between 1984 and 1988. The United States received 32 percent of Korean steel exports in 1984 and 18 percent in 1988, whereas Japan received 25 percent and 41 percent, respectively. The decline in the U.S. share partly reflects the effects of the VRA program established in 1984, which limited Korea's (and certain other major supplying countries') exports of steel products to the United States. The decline also reflects favorable market conditions in Japan and Southeast Asia where steel demand was growing and higher prices could be realized.

The principal products exported from Korea include hot-rolled flat-rolled products and pipes and tubes. However, the country's recent expansion of production capacity for higher-value added products (see discussion below under "Recent Industry Developments") could lead to a shift in the composition of exports from lower-valued commodity grades to more sophisticated high-value products.

Korea's imports, the bulk of which are carbon[2] flat-rolled products, rose by 50 percent from 3.2 million short tons (1.8 percent of world imports) in 1984 to 4.8 million (2.6 percent) in 1988. The increase in imports contributed to a 12-percent decline in Korea's steel trade surplus from 1984 to 1988.

---

[1] Since the steel VRAs were established in 1984, significant structural changes in steel have occurred both in the United States and abroad. In the coming months, developments in some of the key producing countries will be highlighted.

[2] References to carbon steel include alloy steel (other than stainless and tool steel).

Trade with the United States

U.S. imports from Korea declined by 34 percent from 2.4 million short tons in 1984 (9 percent of total U.S. imports) to 1.6 million short tons (7 percent of total imports) in 1988. Although this decrease is much sharper than the 18-percent decrease in total imports during the period, imports from at least 12 other suppliers, principally VRA countries, showed greater relative declines ranging from 35 to 66 percent between 1984 and 1988.

The composition of U.S. imports from Korea changed little between 1984 and 1989[3], with the bulk consisting of imports of carbon sheet and strip (32 percent of imports from Korea in 1984 compared with 29 percent in 1989), carbon pipe and tube (38 percent and 29 percent, respectively), and carbon wire products (12 percent and 15 percent, respectively). The largest relative increase in imports from Korea during the period occurred in semifinished products, which accounted for 1 percent of imports in 1984 and 6 percent in 1989. Imports of specialty steel products accounted for 1 percent of total imports from Korea in 1984 and 3 percent in 1989.

Recent industry developments

In order to meet anticipated increases in domestic demand, the Korean steel industry has embarked on a number of expansion efforts in both the carbon and specialty steel sectors. Posco is about to complete its third stage of expansion at Kwangyang which will raise that works' raw steelmaking capacity from the current 6.0 to 8.9 million short tons per year; the company has announced plans for a fourth stage to expand the works' capacity to 11.9 million short tons per year by 1992. This should make Posco one of the world's largest steel producers with almost 22 million short tons of raw steel capacity (Pohang and Kwangyang plants combined).

Notable expansion has also occurred in Korea's capacity to produce higher-valued steel products. The recent commissioning of new color coating lines is estimated to have at least doubled capacity, adding more than 200,000 tons per year. In the specialty steel sector, Sammi Steel, Korea's major stainless producer, has undertaken an expansion program that was expected to triple its specialty steel capacity to 955,000 tons per year by the end of 1989. Posco is also entering the specialty steel market with its construction of a 50,000 ton-per-year stainless cold-rolling plant and a 250,000 ton-per-year stainless hot strip mill. Korea Heavy Machinery Industries (KHMI) recently announced plans to triple its current specialty steel production capacity (in three stages) to 500,000 tons per year by 1996. These actions appear to be consistent with the industry's announced intention to increase production of higher-value added products in an effort to improve their global competitiveness, particularly with respect to Japan.

Korea is also expanding its presence in the global market through the acquisition of foreign steel producers. In August 1989, Sammi Steel acquired the three North American specialty steel divisions of Rio Algom, Ltd.,

---

[3] January-November 1989.

including Al Tech Specialty Steel in New York. Another Korean producer, Poongsan Metal Corp., is studying the possibility of building a stainless steel flat-rolled mill in the midwestern United States. Plans are to produce stainless flat-rolled products for the automotive, dairy, and food processing equipment makers in the Midwest.

Nancy Fulcher
252-1434

The Monthly Review covers selected topics on steel industry and trade. If there is a subject which you would like to see presented in the Monthly Review, please contact Robert Mascola at 202-252-1428, or write to: Minerals and Metals Division, U.S. International Trade Commission, 500 E Street S.W., Washington, DC 20436.

U.S. STEEL INDUSTRY HIGHLIGHTS

Figure 1
U.S. apparent steel consumption
1,000 short tons

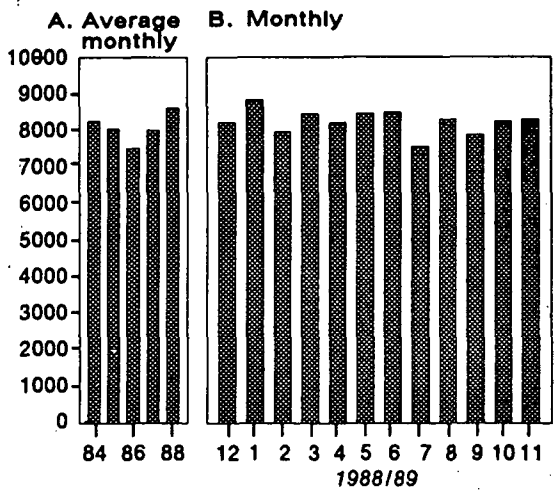


Figure 2
U.S. steel shipments
1,000 short tons

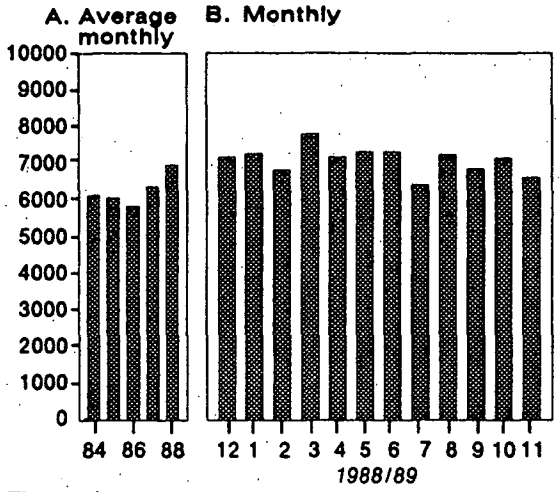


Figure 3
U.S. steel imports
1,000 short tons

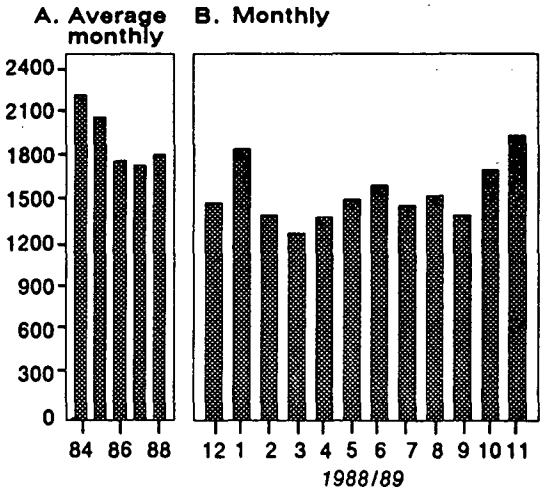


Figure 4
U.S. steel exports
1,000 short tons

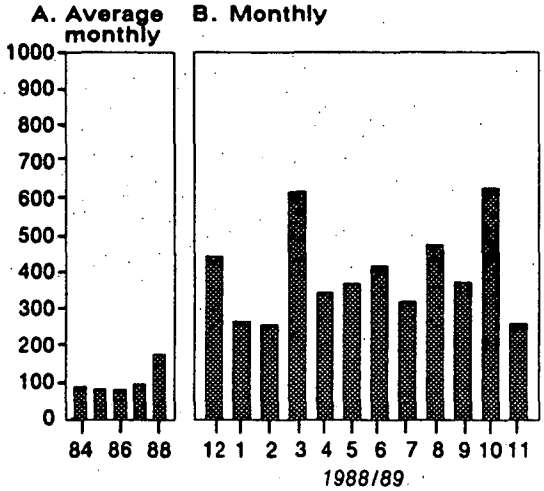


Figure 5
U.S. steel import penetration [1]
Percent

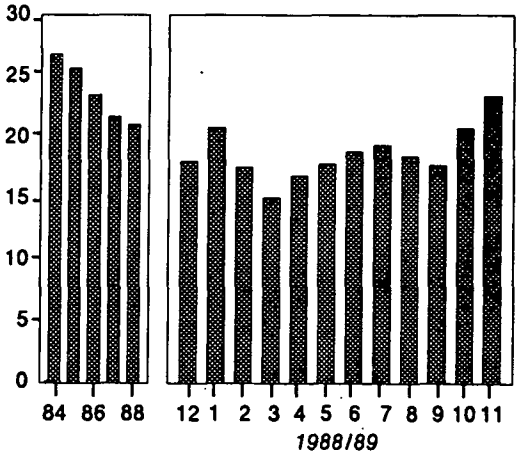
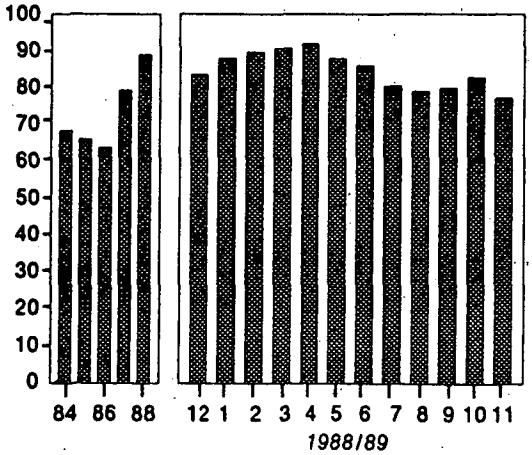


Figure 6
U.S. raw steel capacity utilization
Percent



[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.

Monthly Review:
Selected Industry and Trade Topics

Subject Index

	USITC Publication	Date
Trade with VRA and non-VRA countries; product trade assessment	1852	6/86
Unit values of imported steel; product mix	1869	6/86
Imports by customs areas	1878	7/86
Imports of semifinished steel	1887	8/86
Imports of pipe and tube	1894	9/86
Imports of carbon and alloy wire	1901	10/86
Imports of wire products	1913	11/86
Imports of specialty steel products	1933	12/86
Imports of carbon and alloy sheet and strip; VRA developments with South Africa and Austria; Taiwan	1942	1/87
Trade with VRA and non-VRA countries; the non-VRA countries; product trade assessment	1953	2/87
Imports of carbon and alloy heavy fabricated structural products	1974	5/87
Imports of carbon and alloy steel wire rod	1984	6/87
Imports of carbon and alloy steel plate	1993	7/87
Presidential decision on imports of certain specialty steel products	1998	8/87
Shifts in non-VRA market shares, by product	2007	9/87
Unit values of certain steel products	2022	10/87
Imports by customs areas	2029	11/87
Imports of semifinished steel	2039	12/87
Imports and exports of carbon and alloy sheet and strip	2049	1/88
Imports of wire products	2056	2/88
Annual summary of trade with VRA and non-VRA countries; product trade assessment	2064	3/88
The domestic iron and steel scrap market	2072	4/88
Fabricated structural steel	2074	5/88
Specialty steel products	2088	6/88
Pipe and tube products	2092	7/88
Steel pricing: domestic and international developments	2102	8/88
Wire rod, wire and wire products	2114	9/88
U.S. trade in tinplate	2130	10/88
Steel rebar: domestic market and trade	2134	11/88
Heavy structural shapes	2141	12/88
Imports by customs areas	2146	1/89
Wire rope and strand	2153	2/89

Monthly Review
Subject Index

	USITC Publication	Date
Annual summary of trade with VRA and non-VRA countries; product trade assessment	2162	3/89
Imports of pipe and tube products	2175	4/89
Specialty steel imports	2184	5/89
Imports of semifinished steel	2195	6/89
Wire rod	2202	7/89
Steel prices	2134	8/89
Special quality steel bars	2215	9/89
Specialty steel	2227	10/89
Galvanized sheet and strip	2230	11/89
Structural steel shapes and units	2241	12/89
VRAs: 1989 to 1992	2248	1/90
Developments in the Korean Steel Industry	2258	2/90

Preface

On December 29, 1989, at the request of the Committee on Ways and Means, U.S. House of Representatives,[1] 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.[2] 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.

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).

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

---

[1]See appendix A for a copy of the request.
[2]See appendix B for the notice of continuation.
[3]Affirmative 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.

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 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.

---

[4]Negotiations 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. See appendix C for the text of the USTR's announcement.

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

[6]Countries or regions with which the U.S. has negotiated bilateral agreements are the EC, Japan, South Korea, Brazil, Mexico, Australia, Trinidad and Tobago. As of 12 December 1989, negotiations were ongoing with Austria, Finland, and Yugoslavia.

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	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.

Source: USTR press release, December 12, 1989.

Structure of the Report

- 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.

- Table 1 provides data on key items, including raw steel production, capability utilization, employment, wages, shipments, trade, and financial performance.

- 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.

- 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.

- 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.

- 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.

- 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.

- Table 30 provides data on the unit values of selected imports of carbon and specialty steel products.

- 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.

- 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 1988, AISI reported imports of 20.9 million tons, which compares to the 21.9 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.

Unit values are calculated using unrounded data. Import values are customs value. Trade data include imports under sections 9802.0060 and 9802.0080 of the Harmonized Tariff Schedules; the 9802.0060 and 9802.0080 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 this report, certain data have been revised and certain products definitions have been modified, as follows:

> In order to maintain consistency with previous reports, products made of bearing steel, which were categorized as alloy tool steel in accordance with the HTS, have been shifted back to their original TSUS positions under either flat-rolled or bar and rod products. (See Appendix D for details). This change became effective in January, 1989.
>
> Certain adjustments have been made to reflect revisions to the HTS. In addition, data have been revised in a number of product categories to correct problems that occurred in the process of converting to the HTS; the data revisions, however, are minor.

CONTENTS

Page

Monthly Review: Selected Topics on the Steel Industry---------- i
U.S. Steel Industry Highlights---------- v
Monthly Review Index---------- vii
Preface---------- ix
Appendix A: Request letter from the Honorable Dan Rostenkowski, Chairman of the Committee on Ways and Means, U.S. House of Representatives------- A-1
Appendix B: Notice of continuation of investigation No. 332-226 in the Federal Register---------- B-1
Appendix C: USTR Press Release December 12, 1989 on results of negotiations---------- C-1
Appendix D: Definitions of certain terms, and descriptions of the products subject to the investigation---------- D-1
Appendix E: December VRA Signatories' ceilings tables based on apparent consumption forecasts of DRI (as available)---------- E-1

Tables

1. Steel: U.S. raw steel production, capability utilization, employment, wages, shipments, imports, exports, apparent consumption, net sales, and net income, 1984-88, and by specified periods, 1988 and 1989---------- 1
2. Steel mill products and certain fabricated steel products: U.S. producers' shipments, by product and grade of steel, 1984-88, and by specified periods, 1988 and 1989---------- 2
3. Steel mill products and certain fabricated steel products: U.S. imports, by product and grade of steel, 1984-88, and by specified periods, 1988 and 1989---------- 3
4. Steel mill products and certain fabricated steel products: U.S. exports of domestic merchandise, by product and grade of steel, 1984-88, and by specified periods, 1988 and 1989---------- 4
5. Steel mill products and certain fabricated steel products: Apparent U.S. consumption, by product and grade of steel, 1984-88, and by specified periods, 1988 and 1989---------- 5
6. Steel mill products and certain fabricated steel products: U.S. imports as a percent of apparent consumption, by product and grade of steel, 1984-88, and by specified periods, 1988 and 1989---------- 6
7. Steel mill products and certain fabricated steel products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 7
8. Steel other than semifinished steel: U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 9

CONTENTS

Tables

9. Semifinished steel: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989------- 11
10. Carbon and certain alloy semifinished steel: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 12
11. Carbon and certain alloy steel plate: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 14
12. Carbon and certain alloy steel sheet and strip: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 16
13. Carbon and certain alloy steel bar and light shapes: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 18
14. Carbon and certain alloy steel wire rod: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 20
15. Carbon and certain alloy steel wire: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 22
16. Carbon and certain alloy steel wire products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 24
17. Carbon and certain alloy steel structural shapes: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 26
18. Carbon and certain alloy steel rails and related products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 28
19. Carbon and certain alloy steel pipe and tube: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 30
20. Total, carbon and certain alloy steel products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 32
21. Stainless semifinished steel: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 34
22. Stainless steel plate: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989------- 36
23. Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 38
24. Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 40

CONTENTS

Tables

25. Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 42
26. Stainless steel wire: U.S. imports for consumption by specified sources, 1987, 1988, and by specified periods, 1988 and 1989------- 44
27. Stainless steel pipe and tube: U.S. imports for consumption by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 46
28. Alloy tool steel (all forms): U.S. imports for consumption by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 48
29. Total, stainless and alloy tool steel products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 50
30. Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989---------- 52
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, 1987, 1988, and by specified periods, 1988 and 1989---------- 54
32. Steel mill products and certain fabricated steel products: U.S. imports for consumption, by customs areas, 1987, 1988, and by specified periods, 1988 and 1989---------- 60
33. Steel mill products and certain fabricated steel products: U.S. imports for consumption, through the Atlantic Coast customs area, 1987, 1988, and by specified periods, 1988 and 1989---------- 61
34. Steel mill products and certain fabricated steel products: U.S. imports for consumption, through the Great Lakes-Canadian border customs area, 1987, 1988, and by specified periods, 1988 and 1989---------- 62
35. Steel mill products and certain fabricated steel products: U.S. imports for consumption, through the Gulf Coast-Mexican border customs area, 1987, 1988, and by specified periods, 1988 and 1989---------- 63
36. Steel mill products and certain fabricated steel products: U.S. imports for consumption, through Off-shore customs area, 1987, 1988, and by specified periods, 1988 and 1989---------- 64
37. Steel mill products and certain fabricated steel products: U.S. imports for consumption, through the Pacific Coast customs area, 1987, 1988, and by specified periods, 1988 and 1989---------- 65

Table 1.--Steel: U.S. raw steel production, capability utilization, employment, wages, shipments, imports, exports, apparent consumption, net sales 1984-88 and specified periods 1988 and 1989

Item	1984	1985	1986	1987	1988	January-November 1988	January-November 1989
Raw steel:							
Production (1,000 short tons)	92,528	88,259	81,606	89,151	99,924	91,301	90,254
Capability utilization (percent)	68.4	66.1	63.8	79.5	89.2	89.1	85.1
Continuously cast (percent)	39.6	44.4	55.2	59.8	61.3	60.2	64.4
Employment:							
Total (thousands) 1/	334.1	302.6	273.5	268.4	277.2	277.3	274.7
Production workers (thousands) 1/	256.8	231.5	208.8	202.9	214.6	214.6	212.0
Hourly employment cost 2/ (dollars)	21.30	22.81	23.24	23.71	24.65	24.62	24.75
Steel:							
Shipments (1,000 short tons)	73,740	73,043	70,263	76,654	83,840	76,050	78,162
Imports (1,000 short tons)	26,705	24,885	21,289	20,938	21,869	20,377	17,125
Exports (1,000 short tons)	1,081	992	980	1,176	2,152	1,672	4,366
Apparent consumption (1,000 short tons)	99,363	96,936	90,572	96,416	103,558	94,755	90,922
Ratio of imports to consumption (percent)	26.9	25.7	23.5	21.7	21.1	21.5	18.8
Steel operations:							
Net steel sales (million dollars)	30,005	28,272	24,875	26,933	32,318	3/24,486	3/23,758
Net steel income (million dollars)	(31)	(1,834)	(4,150)	1,077	(559)	3/ 2,476	3/ 1,946
Ratio of income to net sales (percent)	(0.1)	(6.5)	(16.7)	4	(1.9)	3/ 10.1	3/ 8.2

1/ These figures include employment in the electrometallurgical products (except steel) industry, which is not covered by this report. In the past, this industry has represented a less than 3 percent share of total employment levels for the steel industry.

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

3/ January-September.

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

Table 2.--Steel mill products and certain fabricated steel products: U.S. producers shipments, by product and grade of steel, 1984-1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1984	1985	1986	1987	1988	January-November 1988	January-November 1989
All grades of steel:							
Semifinished	1,306,044	1,374,524	1,485,249	1,593,216	1,927,658	1,429,662	1,677,982
Plate	4,338,993	4,327,347	3,564,806	4,047,919	7,327,887	6,591,238	6,796,563
Sheet and strip	40,878,749	40,850,298	40,493,141	43,288,266	44,707,915	40,879,755	42,062,043
Bars & certain shapes 1/	13,232,473	12,667,539	12,171,142	13,575,114	14,488,773	13,051,829	13,459,732
Wire rod	3,090,036	2,961,769	3,463,827	3,840,494	4,048,230	3,693,520	3,944,109
Wire	962,726	874,135	802,259	800,063	1,072,698	1,016,718	943,960
Wire products	259,616	262,268	278,068	304,761	3/	3/	3/
Structural shapes & units	4,156,233	4,698,305	4,527,632	5,119,714	5,208,754	4,805,945	5,075,061
Rails & related products	1,238,900	931,313	640,197	514,647	615,303	515,831	502,505
Pipe and tube	4,275,759	4,095,825	2,836,458	3,569,647	4,443,251	4,041,546	3,700,537
Total	73,739,529	73,043,323	70,262,779	76,653,841	83,840,469	76,050,163	78,162,492
Carbon & certain alloy 2/ steel:							
Semifinished	1,266,364	1,327,766	1,435,662	1,516,152	1,851,197	1,521,843	1,596,641
Plate	4,223,128	4,185,883	3,448,947	3,888,838	7,145,009	6,426,142	6,638,399
Sheet and strip	40,058,979	40,018,167	39,693,739	42,347,623	43,663,695	39,928,087	41,155,844
Bars & certain shapes	13,031,564	12,478,002	11,996,343	13,391,238	14,284,744	12,864,120	13,273,786
Wire rod	3,038,112	2,931,897	3,427,428	3,792,740	3,990,472	3,643,725	3,909,666
Wire	933,382	851,841	777,604	773,329	1,043,112	989,952	921,117
Wire products	259,616	262,268	278,068	304,761	3/	3/	3/
Structural shapes & units	4,156,233	4,698,305	4,527,632	5,119,714	5,208,754	4,805,945	5,075,061
Rails & related products	1,238,900	931,313	640,197	514,647	615,303	515,831	502,505
Pipe and tube	4,224,071	4,046,771	2,794,218	3,527,867	4,387,761	3,990,968	3,655,451
Total	72,430,349	71,732,213	69,019,838	75,176,909	82,190,047	74,710,732	76,728,470
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished	39,680	46,758	49,587	77,064	76,461	70,105	81,341
Plate	115,865	141,464	115,859	159,081	182,878	165,096	158,164
Sheet and strip	819,770	832,131	799,402	940,643	1,044,220	951,668	906,199
Bars & certain shapes	139,980	129,267	119,024	125,441	139,752	129,007	124,667
Wire rod	51,924	29,872	36,399	47,754	57,758	49,795	34,443
Wire	29,344	22,294	24,655	26,734	29,586	26,766	22,843
Pipe and tube	51,688	49,054	42,240	41,780	55,490	50,578	45,086
Tool steel (all forms)	60,929	60,270	55,775	58,435	64,277	58,702	61,279
Total	1,309,180	1,311,110	1,242,941	1,476,932	1,650,422	1,501,717	1,434,022

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, 1984-1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1984	1985	1986	1987	1988	January-November 1988	January-November 1989
All grades of steel:							
Semifinished	1,632,065	2,440,368	2,084,322	2,288,995	2,844,979	2,744,378	2,119,131
Plate	1,782,050	1,772,309	1,456,790	1,566,694	1,872,937	1,746,548	1,357,837
Sheet and strip	10,332,032	9,046,089	8,278,604	7,875,891	7,303,964	6,773,380	5,993,646
Bars & certain shapes 1/	1,722,313	1,550,559	1,476,368	1,359,758	1,445,932	1,346,480	1,291,682
Wire rod	1,589,788	1,476,145	1,362,753	1,467,030	1,493,833	1,400,770	1,056,819
Wire	671,829	612,485	582,022	555,981	540,380	502,885	462,325
Wire products	738,680	674,960	636,591	649,377	572,451	526,743	654,378
Structural shapes & units	2,432,694	2,440,403	2,179,657	2,153,669	2,188,467	2,008,169	1,551,651
Rails & related products	373,890	382,046	275,710	245,988	319,432	297,857	306,741
Pipe and tube	5,429,839	4,489,287	2,956,303	2,775,091	3,286,690	3,030,059	2,330,661
Total	26,705,180	24,884,651	21,289,120	20,938,474	21,869,065	20,377,269	17,124,871
Carbon & certain alloy 2/ steel:							
Semifinished	1,618,365	2,430,078	2,066,700	2,232,270	2,782,572	2,687,342	2,062,420
Plate	1,774,614	1,760,812	1,440,375	1,555,577	1,857,090	1,732,845	1,341,113
Sheet and strip	10,194,435	8,910,469	8,127,033	7,746,596	7,185,380	6,665,543	5,861,418
Bars & certain shapes	1,652,025	1,475,447	1,393,731	1,281,168	1,361,113	1,268,530	1,207,561
Wire rod	1,570,952	1,456,078	1,344,256	1,448,720	1,474,623	1,383,810	1,037,065
Wire	649,126	590,317	564,481	536,897	519,727	484,638	442,231
Wire products	738,680	674,960	636,591	649,377	572,451	526,743	654,378
Structural shapes & units	2,432,694	2,440,403	2,179,657	2,153,669	2,188,467	2,008,169	1,551,651
Rails & related products	373,890	382,046	275,710	245,988	319,432	297,857	306,741
Pipe and tube	5,399,642	4,457,277	2,923,029	2,748,644	3,249,937	2,995,629	2,295,378
Total	26,404,123	24,577,887	20,951,563	20,598,906	21,510,792	20,051,106	16,759,956
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished	13,700	10,290	17,622	56,725	62,407	57,037	56,711
Plate	7,436	11,497	16,415	11,118	15,847	13,703	16,724
Sheet and strip	137,597	135,620	151,571	129,295	118,584	107,836	132,227
Bars & certain shapes	38,234	37,970	37,888	37,991	40,724	37,482	39,054
Wire rod	18,835	20,067	18,496	18,311	19,210	16,961	19,754
Wire	22,703	22,169	17,541	19,084	20,653	18,246	20,093
Pipe and tube	30,197	32,009	33,274	26,448	36,752	34,431	35,283
Tool steel (all forms)	32,054	37,142	44,749	40,599	44,095	40,467	45,066
Total	300,756	306,764	337,556	339,571	358,272	326,163	364,912

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, 1984-1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1984	1985	1986	1987	1988	January-November 1988	January-November 1989
All grades of steel:							
Semifinished	73,536	89,708	58,885	73,543	61,430	44,348	356,726
Plate	88,184	82,988	69,565	96,538	119,393	99,986	587,492
Sheet and strip	389,577	375,396	507,420	556,991	1,374,056	1,004,931	2,367,978
Bars & certain shapes 1/	133,595	99,096	81,224	121,869	141,461	127,373	246,020
Wire rod	8,646	4,740	5,876	8,217	10,161	8,569	34,299
Wire	19,979	19,146	26,760	26,669	36,668	32,452	28,982
Wire products	22,085	19,253	24,731	23,257	27,847	24,211	21,099
Structural shapes & units	119,256	89,031	71,525	101,373	111,614	102,241	240,912
Rails & related products	19,079	13,430	13,131	15,755	18,855	17,499	77,069
Pipe and tube	207,426	199,258	121,050	152,155	250,390	210,411	405,191
Total	1,081,303	992,046	980,167	1,176,367	2,151,875	1,672,021	4,365,768
Carbon & certain alloy 2/ steel:							
Semifinished	72,285	82,650	57,932	71,362	58,598	40,698	343,392
Plate	84,813	74,957	66,042	92,057	107,546	89,014	580,565
Sheet and strip	369,495	349,620	477,803	501,010	1,328,485	962,977	2,322,433
Bars & certain shapes	126,090	89,241	72,134	111,619	124,911	113,329	212,130
Wire rod	7,913	3,716	5,049	6,889	8,676	7,273	29,327
Wire	17,524	17,182	24,033	22,863	32,209	28,461	26,534
Wire products	22,085	19,253	24,731	23,257	27,847	24,211	21,099
Structural shapes & units	119,256	89,031	71,525	101,373	111,614	102,241	240,912
Rails & related products	19,079	13,430	13,131	15,755	18,855	17,499	77,069
Pipe and tube	199,778	193,309	118,010	143,405	244,192	205,407	397,868
Total	1,038,323	932,389	930,390	1,089,590	2,062,933	1,591,110	4,251,329
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished	1,251	7,058	953	2,181	2,833	3,650	13,334
Plate	3,371	8,031	3,523	4,481	11,847	10,971	6,927
Sheet and strip	20,081	25,776	29,617	55,981	45,571	41,953	45,545
Bars & certain shapes	5,178	7,762	6,946	7,189	12,047	9,911	15,551
Wire rod	728	1,024	828	1,328	1,486	1,296	4,971
Wire	2,455	1,964	2,728	3,806	4,459	3,990	2,448
Pipe and tube	7,648	5,948	3,040	8,751	6,198	5,003	7,323
Tool steel (all forms)	2,326	2,094	2,144	3,061	4,502	4,132	18,340
Total	43,038	59,657	49,779	86,778	88,943	80,906	114,439

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, 1984-1988 ,and by specified periods, 1988 and 1989

(Short tons)

Item	1984	1985	1986	1987	1988	January-November 1988	January-November 1989
All grades of steel:							
Semifinished	2,864,573	3,725,184	3,510,686	3,808,668	4,711,207	4,129,692	3,440,387
Plate	6,032,859	6,016,668	4,952,031	5,518,075	9,081,431	8,237,800	7,566,908
Sheet and strip	50,821,204	49,520,991	48,264,325	50,607,166	50,637,823	46,648,204	45,687,711
Bars & certain shapes 1/	14,821,191	14,119,002	13,566,286	14,813,003	15,793,244	14,270,936	14,505,394
Wire rod	4,671,178	4,433,174	4,820,704	5,299,307	5,531,902	5,085,721	4,966,629
Wire	1,614,576	1,467,474	1,357,521	1,329,375	2,121,014	2,013,802	2,010,582
Wire products	976,211	917,975	889,928	930,881	3/	3/	3/
Structural shapes & units	6,469,671	7,049,677	6,635,764	7,172,010	7,285,607	6,711,873	6,385,800
Rails & related products	1,593,711	1,299,929	902,776	744,880	915,880	796,189	732,177
Pipe and tube	9,498,172	8,385,854	5,671,711	6,192,583	7,479,551	6,861,194	5,626,007
Total	99,363,346	96,935,928	90,571,732	96,415,948	103,557,659	94,755,411	90,921,595
Carbon & certain alloy 2/ steel:							
Semifinished	2,812,444	3,675,194	3,444,430	3,677,060	4,575,171	4,168,487	3,315,669
Plate	5,912,929	5,871,738	4,823,280	5,352,358	8,894,553	8,069,973	7,398,947
Sheet and strip	49,883,919	48,579,016	47,342,969	49,593,209	49,520,590	45,630,653	44,694,829
Bars & certain shapes	14,557,499	13,864,208	13,317,940	14,560,787	15,520,946	14,019,321	14,269,217
Wire rod	4,601,146	4,384,259	4,766,635	5,234,571	5,456,419	5,020,262	4,917,404
Wire	1,564,984	1,424,976	1,318,052	1,287,363	2,075,234	1,972,780	1,970,093
Wire products	976,211	917,975	889,928	930,881	3/	3/	3/
Structural shapes & units	6,469,671	7,049,677	6,635,764	7,172,010	7,285,607	6,711,873	6,385,800
Rails & related products	1,593,711	1,299,929	902,776	744,880	915,880	796,189	732,177
Pipe and tube	9,423,935	8,310,739	5,599,237	6,133,106	7,393,506	6,781,190	5,552,961
Total	97,796,449	95,377,711	89,041,011	94,686,225	101,637,906	93,170,728	89,237,097
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished	52,129	49,990	66,256	131,608	136,035	123,492	124,718
Plate	119,930	144,930	128,751	165,718	186,878	167,828	167,961
Sheet and strip	937,286	941,975	921,356	1,013,957	1,117,233	1,017,551	992,881
Bars & certain shapes	173,036	159,475	149,966	156,243	168,429	156,578	148,170
Wire rod	70,031	48,915	54,067	64,737	75,482	65,460	49,226
Wire	49,592	42,499	39,468	42,012	45,780	41,022	40,488
Pipe and tube	74,237	75,115	72,474	59,477	86,044	80,006	73,046
Tool steel (all forms)	90,657	95,318	98,380	95,973	103,870	95,037	88,005
Total	1,566,898	1,558,217	1,530,718	1,729,725	1,919,751	1,746,974	1,684,495

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, 1984-1988, and by specific periods, 1988 and 1989

(Percent)

Item	1984	1985	1986	1987	1988	January-November 1988	January-November 1989
All grades of steel:							
Semifinished	57.0	65.5	59.4	60.1	60.4	66.5	61.6
Plate	29.5	29.5	29.4	28.4	20.6	21.2	17.9
Sheet and strip	20.3	18.3	17.2	15.6	14.4	14.5	13.1
Bars & certain shapes 1/	11.6	11.0	10.9	9.2	9.2	9.4	8.9
Wire rod	34.0	33.3	28.3	27.7	27.0	27.5	21.3
Wire	41.0	41.0	42.0	41.0	39.0	2.0	82.0
Wire products	75.7	73.5	71.5	69.8	3/	3/	3/
Structural shapes & units	37.6	34.6	32.8	30.0	30.0	29.9	24.3
Rails & related products	23.5	29.4	30.5	33.0	34.9	37.4	41.9
Pipe and tube	57.2	53.5	52.1	44.8	43.9	44.2	41.4
Total	26.9	25.7	23.5	21.7	21.1	21.5	18.8
Carbon & certain alloy 2/ steel:							
Semifinished	57.5	66.1	60.0	60.7	60.8	64.5	62.2
Plate	30.0	30.0	29.9	29.1	20.9	21.5	18.1
Sheet and strip	20.4	18.3	17.2	15.6	14.5	14.6	13.1
Bars & certain shapes	11.3	10.6	10.5	8.8	8.8	9.0	8.5
Wire rod	34.1	33.2	28.2	27.7	27.0	27.6	21.1
Wire	41.0	41.0	42.0	41.0	39.0	80.0	93.0
Wire products	75.7	73.5	71.5	69.8	3/	3/	3/
Structural shapes & units	37.6	34.6	32.8	30.0	30.0	29.9	24.3
Rails & related products	23.5	29.4	30.5	33.0	34.9	37.4	41.9
Pipe and tube	57.3	53.6	52.2	44.8	44.0	44.2	41.3
Total	27.0	25.8	23.5	21.8	21.2	21.5	18.8
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished	26.3	20.6	26.6	43.1	45.9	46.2	45.5
Plate	6.2	7.9	12.7	6.7	8.5	8.2	10.0
Sheet and strip	14.7	14.4	16.5	12.8	10.6	10.6	13.3
Bars & certain shapes	22.1	23.8	25.3	24.3	24.2	23.9	26.4
Wire rod	26.9	41.0	34.2	28.3	25.4	25.9	40.1
Wire	45.8	52.2	44.4	45.4	45.1	44.5	49.6
Pipe and tube	40.7	42.6	45.9	44.5	42.7	43.0	48.3
Tool steel (all forms)	35.4	39.0	45.5	42.3	42.5	42.6	51.2
Total	19.2	19.7	22.1	19.6	18.7	18.7	21.7

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, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	155,112	282,085	264,164	266,690
Austria	119,666	138,101	127,609	81,827
Brazil	1,152,972	1,476,896	1,391,583	1,339,594
Czechoslovakia	29,792	37,301	36,275	20,946
East Germany	95,910	92,239	88,613	55,867
EC countries	5,866,446	6,276,220	5,753,266	5,326,169
Finland	174,889	212,989	194,429	204,765
Hungary	27,064	30,094	29,886	28,420
Japan	4,384,621	4,343,898	4,038,348	3,473,263
Mexico	491,204	488,367	441,317	434,681
Peoples Rep of China	51,107	68,840	58,179	56,474
Poland	91,936	89,648	85,713	71,136
Romania	82,408	102,548	102,529	45,059
Republic of South Africa	30,015	1,693	1,693	698
Korea, Republic of	1,434,872	1,572,602	1,405,737	1,107,146
Trinidad and Tobago	62,575	31,518	30,071	47,918
Venezuela	170,571	169,383	163,475	164,168
Yugoslavia	15,394	12,751	11,653	7,868
Total	14,436,554	15,427,173	14,224,540	12,732,689
Other countries:				
Canada	3,809,440	3,430,920	3,265,783	3,033,220
Sweden	609,367	575,055	548,247	239,523
Argentina	346,494	558,011	541,096	217,597
Turkey	407,413	307,985	304,492	175,004
Indonesia	235,573	281,142	272,705	60,090
Taiwan	263,415	252,112	238,486	152,935
Norway	154,231	181,502	163,084	78,080
Thailand	120,179	160,364	149,968	54,553
Singapore	144,538	153,164	151,775	77,032
India	60,774	100,261	95,481	103,527
All others	350,496	441,375	421,612	200,622
Total	6,501,920	6,441,891	6,152,729	4,392,183
Grand total	20,938,474	21,869,064	20,377,269	17,124,872

Table 7.--Steel mill products and certain fabricated steel products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	70,374	118,494	109,354	121,349
Austria	58,007	82,907	75,286	63,745
Brazil	328,749	463,632	429,619	451,060
Czechoslovakia	7,156	12,019	11,433	7,421
East Germany	25,328	31,340	30,007	18,908
EC countries	2,412,418	2,981,610	2,709,590	2,760,740
Finland	65,035	101,105	93,450	86,729
Hungary	6,191	8,600	8,510	9,155
Japan	2,189,840	2,562,005	2,363,324	2,275,088
Mexico	204,210	240,693	216,773	233,305
Peoples Rep of China	23,586	27,574	23,217	31,721
Poland	27,141	30,281	28,590	25,988
Romania	25,093	36,063	36,051	15,733
Republic of South Africa	7,322	1,487	1,487	555
Korea, Republic of	633,718	770,065	685,003	592,609
Trinidad and Tobago	15,482	8,602	8,077	14,665
Venezuela	48,835	53,699	51,905	57,024
Yugoslavia	5,404	5,947	5,564	3,280
Total	6,153,889	7,536,123	6,887,240	6,769,075
Other countries:				
Canada	1,660,699	1,706,602	1,623,333	1,602,322
Sweden	301,016	358,878	332,750	257,075
Argentina	122,695	221,845	214,205	104,804
Turkey	123,568	93,038	90,175	55,838
Indonesia	56,949	81,687	78,933	21,401
Taiwan	118,228	134,663	125,053	99,896
Norway	39,735	55,371	50,120	29,775
Thailand	43,817	65,625	60,860	24,730
Singapore	42,953	50,365	49,614	31,257
India	22,889	43,769	41,423	44,171
All others	124,712	164,938	154,864	100,481
Total	2,657,261	2,976,781	2,821,330	2,371,750
Grand total	8,811,150	10,512,904	9,708,570	9,140,825

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, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January-November 1988	January-November 1989
	Quantity (Short tons)			
VRA countries:				
Australia	155,077	202,683	184,762	197,944
Austria	119,666	138,029	127,551	81,827
Brazil	671,685	755,083	679,316	675,079
Czechoslovakia	29,792	37,301	36,275	20,946
East Germany	95,909	92,239	88,613	55,867
EC	4,873,868	5,084,148	4,622,371	4,452,319
Finland	160,941	209,750	191,190	170,214
Hungary	26,495	30,094	29,886	28,420
Japan	4,291,332	4,264,692	3,959,710	3,386,163
Mexico	429,320	424,451	379,610	357,841
Peoples Rep of China	51,093	68,840	58,179	56,468
Poland	90,476	89,295	85,360	70,843
Romania	82,408	102,548	102,529	45,059
Republic of South Africa	7,437	1,693	1,693	692
Korea, Republic of	1,407,830	1,515,157	1,348,291	1,041,113
Trinidad and Tobago	62,575	28,460	27,013	47,918
Venezuela	130,749	119,720	113,812	115,686
Yugoslavia	15,394	12,751	11,653	7,868
Total	12,702,047	13,176,934	12,047,814	10,812,267
Other countries:				
Canada	3,673,795	3,327,082	3,166,185	2,916,685
Argentina	343,363	535,190	518,276	216,822
Turkey	407,413	307,985	304,492	175,004
Indonesia	234,667	276,988	268,550	60,090
Sweden	267,311	269,005	248,530	169,887
Taiwan	263,415	252,112	238,486	152,934
Thailand	120,179	160,364	149,968	54,553
Singapore	144,538	153,164	151,775	77,032
Norway	109,791	116,917	115,013	72,203
India	60,774	100,261	95,481	103,527
All others	322,184	348,084	328,320	194,736
Total	5,947,430	5,847,152	5,585,076	4,193,473
Grand total	18,649,477	19,024,086	17,632,890	15,005,740

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, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January-November 1988	January-November 1989
	Import/consumption ratio (percent)			
VRA countries:				
Australia	.2	.2	.2	.2
Austria	.1	.1	.1	.1
Brazil	.7	.8	.8	.8
Czechoslovakia	2/	2/	2/	2/
East Germany	.1	.1	.1	.1
EC	5.3	5.2	5.2	5.1
Finland	.2	.2	.2	.2
Hungary	2/	2/	2/	2/
Japan	4.7	4.4	4.4	3.9
Mexico	.5	.4	.4	.4
Peoples Rep of China	.1	.1	.1	.1
Poland	.1	.1	.1	.1
Romania	.1	.1	.1	.1
Republic of South Africa	2/	2/	2/	2/
Korea, Republic of	1.5	1.6	1.5	1.2
Trinidad and Tobago	.1	2/	2/	.1
Venezuela	.1	.1	.1	.1
Yugoslavia	2/	2/	2/	2/
Total	13.9	13.5	13.5	12.5
Other countries:				
Canada	4.0	3.4	3.5	3.4
Argentina	.4	.5	.6	.3
Turkey	.4	.3	.3	.2
Indonesia	.3	.3	.3	.1
Sweden	.3	.3	.3	.2
Taiwan	.3	.3	.3	.2
Thailand	.1	.2	.2	.1
Singapore	.2	.2	.2	.1
Norway	.1	.1	.1	.1
India	.1	.1	.1	.1
All others	.4	.4	.4	.2
Total	6.5	6.0	6.2	4.8
Grand total	20.4	19.5	19.7	17.3

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, 1987, 1988, and by specified periods, 1988 and 1989

Source	Unadjusted Initial Period Ceiling 2/	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)				
VRA countries:					
Australia	4/	35	79,402	79,402	68,747
Austria	3/	0	73	58	0
Brazil	4/	481,287	721,813	712,267	664,514
Czechoslovakia	4/	0	0	0	0
East Germany	4/	1	0	0	0
EC Countries	808,674	992,578	1,192,072	1,130,895	873,850
Finland	4/	13,948	3,239	3,239	34,551
Hungary	3/	569	0	0	0
Japan	4/	93,288	79,206	78,638	87,100
Mexico	255,371	61,884	63,916	61,707	76,840
Peoples Rep of China	4/	13	0	0	5
Poland	3/	1,460	353	353	293
Romania	4/	0	0	0	0
Republic of South Africa	5/ 100,000	22,578	0	0	7
Korea, Republic of	4/	27,043	57,445	57,445	66,033
Trinidad and Tobago	4/	0	3,058	3,058	0
Venezuela	4/	39,822	49,663	49,663	48,482
Yugoslavia	4/	0	0	0	0
Total	6/	1,734,506	2,250,240	2,176,725	1,920,422
Other countries:					
Sweden	6/	342,056	306,050	299,717	69,636
Canada	6/	135,645	103,838	99,598	116,535
Norway	6/	44,440	64,585	48,070	5,877
Soviet Union	6/	0	47,078	47,078	5,860
New Zealand	6/	28,212	46,214	46,214	0
Argentina	6/	3,131	22,820	22,820	776
Indonesia	6/	906	4,154	4,154	0
Switzerland	6/	99	0	0	24
Israel	6/	0	0	0	0
Taiwan	6/	0	0	0	0
Total	6/	554,489	594,739	567,651	198,708
Grand total	6/	2,288,995	2,844,979	2,744,376	2,119,130

1/ Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.
2/ Restraint level applicable to 15-month period ending December 31, 1990.
3/ No explicit semifinished steel provisions.
4/ Ceiling level unknown because country's voluntary restraint arrangement not yet made public.
5/ Steel imports from South Africa in 1988 are reduced by the Comprehensive Anti-Apartheid Act of 1986, which embargoes certain steel products.
6/ 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, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	35	79,402	79,402	68,747
Austria	0	0	0	0
Brazil	467,926	720,130	710,584	664,514
Czechoslovakia	0	0	0	0
East Germany	2/	0	0	0
EC countries	985,869	1,181,448	1,123,908	862,095
Finland	13,948	3,239	3,239	34,551
Hungary	569	0	0	0
Japan	89,683	77,271	76,703	86,402
Mexico	61,884	63,916	61,707	76,675
Peoples Rep of China	13	0	0	5
Poland	1,460	279	279	0
Romania	0	0	0	0
Republic of South Africa	22,578	0	0	[illegible]
Korea, Republic of	27,043	57,445	57,445	66,03[illegible]
Trinidad and Tobago	0	3,058	3,058	0
Venezuela	39,822	49,663	49,663	48,482
Yugoslavia	0	0	0	0
Total	1,710,830	2,235,851	2,165,988	1,907,511
Other countries:				
Sweden	334,207	291,559	285,780	60,821
Canada	110,445	70,310	67,236	81,551
Norway	44,440	64,585	48,070	5,877
Soviet Union	0	47,078	47,078	5,860
New Zealand	28,212	46,214	46,214	0
Argentina	3,131	22,820	22,820	776
Indonesia	906	4,154	4,154	0
Switzerland	99	2/	2/	24
Total	521,440	546,720	521,352	154,909
Grand total	2,232,270	2,782,571	2,687,340	2,062,420

See footnote(s) at end of table.

Table 10.--Carbon and certain alloy 1/ semifinished steel: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	6	15,165	15,165	14,426
Austria	0	0	0	0
Brazil	87,231	161,215	157,944	165,978
Czechoslovakia	0	0	0	0
East Germany	7	0	0	0
EC countries	214,900	290,884	274,783	226,742
Finland	2,945	770	770	10,811
Hungary	128	0	0	0
Japan	20,477	19,499	19,351	24,780
Mexico	11,428	17,342	16,171	19,569
Peoples Rep of China	30	0	0	7
Poland	342	69	69	0
Romania	0	0	0	0
Republic of South Africa	3,548	0	0	18
Korea, Republic of	4,809	14,573	14,573	16,133
Trinidad and Tobago	0	617	617	0
Venezuela	6,708	11,049	11,049	10,072
Yugoslavia	0	0	0	0
Total	352,559	531,183	510,492	488,536
Other countries:				
Sweden	76,098	73,544	72,060	15,249
Canada	26,940	21,337	20,257	27,007
Norway	8,098	14,757	10,637	1,288
Soviet Union	0	6,946	6,946	843
New Zealand	6,332	13,489	13,489	0
Argentina	1,109	6,147	6,147	304
Indonesia	242	1,196	1,196	0
Switzerland	140	3	3	115
Total	118,959	137,419	130,735	44,806
Grand total	471,518	668,602	641,227	533,342

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, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	5,014	5,935	5,658	4,272
Austria	9,701	21,426	21,042	5,851
Brazil	112,608	171,537	160,099	120,653
Czechoslovakia	10,416	16,455	16,455	13,985
East Germany	16,091	17,270	16,783	10,342
EC countries	445,966	515,974	463,648	495,863
Finland	69,486	96,135	86,259	98,525
Hungary	13,933	16,146	16,146	15,300
Japan	35,903	44,538	41,792	42,420
Mexico	12,930	20,867	16,720	25,306
Peoples Rep of China	0	26	26	0
Poland	30,633	30,860	29,164	28,960
Romania	49,274	68,325	68,325	35,438
Republic of South Africa	465	0	0	0
Korea, Republic of	64,323	68,405	60,953	45,410
Trinidad and Tobago	0	389	389	2,204
Venezuela	6,872	6,653	6,653	10,033
Yugoslavia	0	1,423	1,423	0
Total	883,615	1,102,364	1,011,535	954,562
Other countries:				
Canada	449,135	419,556	400,372	253,709
Sweden	106,253	110,743	101,641	72,839
Indonesia	46,701	84,969	82,525	203
Argentina	17,499	44,564	44,014	233
India	35,711	34,780	34,780	53,828
Egypt	0	21,147	21,147	0
Pakistan	6,227	15,610	15,610	0
Algeria	0	8,054	8,054	0
Turkey	6,145	5,946	5,946	193
New Zealand	0	3,849	1,872	5,544
All others	4,290	5,507	5,349	2/
Total	671,961	754,725	721,310	386,549
Grand total	1,555,576	1,857,089	1,732,845	1,341,111

See footnote(s) at end of table.

Table 11.--Carbon and certain alloy 1/ steel plate: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
RA countries:				
Australia	2,285	3,190	3,032	2,185
Austria	3,379	8,467	8,218	2,465
Brazil	36,299	67,413	62,151	39,319
Czechoslovakia	2,292	5,280	5,280	4,555
East Germany	3,761	5,566	5,394	3,312
EC countries	146,741	219,700	196,961	204,026
Finland	18,573	38,528	35,078	35,593
Hungary	3,104	4,494	4,494	4,847
Japan	19,324	27,120	25,232	25,994
Mexico	3,340	8,122	6,416	10,277
Peoples Rep of China	0	28	28	0
Poland	7,316	9,971	9,380	9,915
Romania	13,447	22,680	22,680	11,827
Republic of South Africa	145	0	0	0
Korea, Republic of	21,560	28,496	25,081	17,440
Trinidad and Tobago	0	122	122	630
Venezuela	1,762	2,062	2,062	3,172
Yugoslavia	0	461	461	0
Total	283,328	451,700	412,070	375,557
her countries:				
Canada	155,991	175,573	167,456	103,981
Sweden	40,807	52,247	48,059	36,680
Indonesia	12,461	25,597	24,817	57
Argentina	4,317	14,038	13,853	81
India	13,055	14,024	14,024	17,706
Egypt	0	6,652	6,652	0
Pakistan	2,559	4,117	4,117	0
Algeria	0	2,330	2,330	0
Turkey	1,554	2,186	2,186	88
New Zealand	0	1,350	726	1,671
All others	1,708	1,855	1,800	6
Total	232,452	299,969	286,020	160,270
Grand total	515,780	751,669	698,090	535,827

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/ steel sheet and strip: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	123,054	169,338	153,145	166,981
Austria	82,055	80,141	73,182	41,407
Brazil	343,715	279,788	247,044	343,838
Czechoslovakia	2,410	0	0	10
East Germany	61,012	50,830	47,691	26,330
EC countries	2,302,647	2,249,090	2,083,914	1,841,289
Finland	71,070	85,164	80,789	55,861
Hungary	9,600	13,211	13,130	11,903
Japan	2,381,393	2,209,538	2,037,460	1,910,233
Mexico	127,973	139,529	127,215	104,118
Peoples Rep of China	584	0	0	37
Poland	13,390	11,005	11,005	0
Romania	3,665	6,731	6,731	52
Republic of South Africa	372	0	0	0
Korea, Republic of	603,796	487,380	438,821	327,476
Trinidad and Tobago	0	63	63	0
Venezuela	56,293	57,246	57,164	51,610
Yugoslavia	0	0	0	32
Total	6,183,029	5,839,054	5,377,354	4,881,177
Other countries:				
Canada	1,119,490	856,040	813,411	804,974
Argentina	175,619	243,388	240,554	26,354
Taiwan	60,024	78,901	77,469	45,994
Sweden	61,509	51,007	48,433	19,946
New Zealand	10,795	29,118	22,422	61,556
Algeria	11,632	21,102	21,102	0
Indonesia	24,966	20,138	20,138	160
Turkey	67,134	17,019	17,019	20
Norway	15,629	14,466	12,723	18,432
Pakistan	10,113	8,324	8,324	0
All others	6,653	6,824	6,595	2,806
Total	1,563,564	1,346,327	1,288,190	980,242
Grand total	7,746,593	7,185,381	6,665,544	5,861,419

See footnote(s) at end of table.

Table 12.--Carbon and certain alloy 1/ steel sheet and strip: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	59,001	90,392	81,833	92,053
Austria	26,289	31,089	28,389	17,206
Brazil	119,782	111,040	98,269	136,958
Czechoslovakia	644	0	0	3
East Germany	17,087	18,100	16,939	9,790
EC countries	932,354	1,045,288	962,735	890,026
Finland	25,253	32,525	31,055	22,087
Hungary	2,371	3,751	3,729	3,739
Japan	1,208,940	1,211,321	1,118,915	1,116,700
Mexico	60,338	77,632	70,810	61,974
Peoples Rep of China	114	0	0	16
Poland	5,198	5,049	5,049	0
Romania	1,246	2,176	2,176	36
Republic of South Africa	124	0	0	0
Korea, Republic of	234,228	209,663	187,154	142,555
Trinidad and Tobago	0	19	19	0
Venezuela	18,728	22,121	22,043	22,323
Yugoslavia	0	0	0	17
Total	2,711,697	2,860,166	2,629,115	2,515,483
Other countries:				
Canada	463,992	381,804	362,951	378,359
Argentina	64,208	92,033	90,712	13,784
Taiwan	22,313	31,494	30,891	21,417
Sweden	37,494	39,376	37,317	25,778
New Zealand	5,600	11,315	8,744	27,435
Algeria	4,076	8,668	8,668	0
Indonesia	6,638	7,569	7,569	76
Turkey	27,144	6,256	6,256	9
Norway	7,955	7,909	6,898	11,065
Pakistan	2,221	3,600	3,600	0
All others	2,985	3,066	2,975	1,677
Total	644,626	593,090	566,581	479,600
Grand total	3,356,323	3,453,256	3,195,696	2,995,083

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 13.--Carbon and certain alloy 1/ steel bars and light shapes: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	117	826	822	1,433
Austria	394	693	673	524
Brazil	50,090	96,561	85,384	49,396
Czechoslovakia	0	0	0	0
East Germany	2	0	0	0
EC countries	239,605	260,337	235,513	305,500
Finland	2,752	4,081	3,380	3,838
Hungary	43	146	22	0
Japan	154,408	107,959	101,499	124,722
Mexico	31,521	22,813	20,416	15,480
Peoples Rep of China	4,820	3,441	3,129	3,530
Poland	1,037	1,282	1,145	2,625
Romania	122	29	29	0
Republic of South Africa	221	0	0	0
Korea, Republic of	56,173	74,249	65,938	61,863
Trinidad and Tobago	18,047	15,404	15,379	16,390
Venezuela	13,530	19,962	14,398	10,391
Yugoslavia	287	0	0	0
Total	573,169	607,783	547,727	595,692
Other countries:				
Canada	379,637	429,634	409,862	379,115
Turkey	94,882	102,560	100,972	109,153
Indonesia	44,957	54,015	51,369	3,133
Argentina	18,954	50,982	45,332	46,866
Norway	28,347	36,346	36,299	23,640
Taiwan	44,665	32,265	31,190	11,736
Singapore	39,869	19,311	19,311	20,159
India	10,014	11,249	10,523	9,450
Sweden	7,255	9,099	8,077	3,175
Israel	619	5,943	5,943	42
All others	38,800	1,924	1,923	5,401
Total	707,999	753,328	720,801	611,870
Grand total	1,281,168	1,361,111	1,268,528	1,207,562

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, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
RA countries:				
Australia	92	332	328	669
Austria	590	667	633	976
Brazil	15,461	29,058	25,801	21,978
Czechoslovakia	0	0	0	0
East Germany	1	0	0	0
EC countries	165,308	133,388	119,384	159,627
Finland	1,685	2,705	2,206	2,871
Hungary	14	63	9	0
Japan	62,568	49,339	46,003	68,511
Mexico	8,595	8,588	7,755	5,617
Peoples Rep of China	1,683	1,314	1,198	1,360
Poland	548	845	749	1,512
Romania	600	103	103	0
Republic of South Africa	71	0	0	0
Korea, Republic of	15,094	20,439	18,048	18,681
Trinidad and Tobago	5,496	3,968	3,959	5,202
Venezuela	3,187	5,392	3,844	3,868
Yugoslavia	73	0	0	0
Total	281,066	256,201	230,020	290,872
ther countries:				
Canada	146,520	186,448	177,557	164,525
Turkey	24,960	28,951	27,214	32,827
Indonesia	9,076	14,691	13,948	862
Argentina	4,865	16,442	14,097	17,927
Norway	5,906	8,963	8,948	6,578
Taiwan	11,531	10,022	9,646	4,710
Singapore	10,128	5,104	5,104	7,950
India	3,490	3,952	3,656	4,152
Sweden	4,732	5,737	4,993	2,817
Israel	191	1,616	1,616	18
All others	9,814	1,111	1,108	1,907
Total	231,213	283,037	267,887	244,273
Grand total	512,279	539,238	497,907	535,145

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 1/ steel wire rod: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	9,664	9,551	8,272	10,783
Austria	401	601	394	1,108
Brazil	50,183	58,383	55,918	57,858
Czechoslovakia	10,307	13,661	13,661	1,868
East Germany	12,806	16,306	16,306	12,583
EC countries	275,549	290,286	255,577	202,324
Finland	2,237	2,237	2,237	108
Hungary	2,862	0	0	67
Japan	245,672	276,003	250,615	189,207
Mexico	62,826	58,389	52,338	32,373
Peoples Rep of China	0	27	27	25
Poland	0	7,606	7,606	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	432	875	772	176
Trinidad and Tobago	43,094	11,312	9,889	29,203
Venezuela	4,471	8,916	8,916	2,065
Yugoslavia	0	0	0	0
Total	720,504	754,153	682,528	539,748
Other countries:				
Canada	390,071	360,096	342,079	378,759
Turkey	61,072	126,791	126,791	39,698
Indonesia	97,932	84,414	84,414	24,510
Singapore	60,425	81,904	81,875	29,776
Sweden	10,079	18,464	17,331	14,534
Saudi Arabia	42,619	17,972	17,972	0
Taiwan	15,798	16,843	16,843	9,720
Egypt	0	11,114	11,114	23
Malaysia	47,789	2,355	2,355	19
Israel	131	372	372	0
All others	2,300	144	135	278
Total	728,216	720,469	701,281	497,317
Grand total	1,448,720	1,474,622	1,383,809	1,037,065

See footnote(s) at end of table.

Table 14.--Carbon and certain alloy 1/ steel wire rod: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	1,983	2,103	1,772	2,439
Austria	179	248	188	297
Brazil	12,145	16,380	15,536	16,652
Czechoslovakia	2,164	3,234	3,234	462
East Germany	2,585	3,547	3,547	3,014
EC countries	95,990	109,528	95,826	78,183
Finland	692	741	741	35
Hungary	557	0	0	30
Japan	103,044	124,039	112,116	90,057
Mexico	14,093	15,344	13,803	8,234
Peoples Rep of China	0	9	9	7
Poland	0	1,612	1,612	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	179	389	337	112
Trinidad and Tobago	9,538	3,293	2,778	8,770
Venezuela	1,014	2,000	2,000	594
Yugoslavia	0	0	0	0
Total	244,163	282,467	253,499	208,886
Other countries:				
Canada	127,412	130,836	124,338	137,102
Turkey	13,673	32,337	32,337	11,195
Indonesia	21,082	20,363	20,363	6,724
Singapore	14,388	21,983	21,975	9,390
Sweden	6,215	9,831	8,972	12,344
Saudi Arabia	8,616	3,719	3,719	0
Taiwan	6,199	6,764	6,764	4,105
Egypt	0	2,650	2,650	7
Malaysia	11,059	622	622	6
Israel	30	106	106	0
All others	478	131	93	199
Total	209,152	229,342	221,939	181,072
Grand total	453,315	511,809	475,438	389,958

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 15.--Carbon and certain alloy 1/ steel wire: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	4,963	4,488	4,321	3,866
Austria	2,484	1,731	1,580	1,698
Brazil	10,577	14,128	13,339	9,097
Czechoslovakia	0	0	0	24
East Germany	89	0	0	0
EC countries	174,508	168,480	155,813	130,728
Finland	400	476	459	348
Hungary	57	0	0	0
Japan	96,684	78,468	71,900	63,425
Mexico	3,991	2,712	2,427	1,107
Peoples Rep of China	7,302	9,720	9,129	11,143
Poland	2	116	116	112
Romania	0	0	0	0
Republic of South Africa	187	0	0	0
Korea, Republic of	8,226	7,736	6,034	7,071
Trinidad and Tobago	1,435	1,060	1,060	0
Venezuela	7,717	5,996	5,823	5,563
Yugoslavia	42	3	3	0
Total	318,664	295,114	272,004	234,182
Other countries:				
Canada	194,819	193,243	183,514	172,758
Sweden	7,745	7,532	6,625	7,014
Taiwan	3,217	4,897	4,754	3,202
India	2,572	4,108	3,824	5,186
Saudi Arabia	0	4,000	4,000	0
Switzerland	1,372	2,591	2,194	1,613
Argentina	1,170	2,491	2,411	9,687
Chile	1,379	2,146	2,102	3,225
Ecuador	18	1,430	1,176	2,095
Norway	2,476	1,312	1,252	1,308
All others	3,464	865	783	1,964
Total	218,232	224,615	212,635	208,052
Grand total	536,896	519,729	484,639	442,234

See footnote(s) at end of table.

Table 15.--Carbon and certain alloy 1/ steel wire: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
RA countries:				
Australia	2,329	2,018	1,934	1,711
Austria	3,613	2,584	2,409	2,797
Brazil	4,944	6,207	5,806	4,959
Czechoslovakia	0	0	0	16
East Germany	24	0	0	0
EC countries	129,087	141,210	129,494	117,500
Finland	170	231	220	184
Hungary	17	0	0	0
Japan	64,973	61,637	56,135	53,927
Mexico	1,681	1,320	1,175	728
Peoples Rep of China	2,868	4,165	3,920	5,066
Poland	3	59	59	59
Romania	0	0	0	0
Republic of South Africa	85	0	0	0
Korea, Republic of	4,882	4,667	3,794	4,670
Trinidad and Tobago	448	354	354	0
Venezuela	3,802	3,096	2,988	3,226
Yugoslavia	24	9	9	0
Total	218,950	227,557	208,297	194,843
ther countries:				
Canada	101,960	109,405	103,836	105,165
Sweden	10,304	10,678	9,626	8,876
Taiwan	1,964	2,903	2,745	2,922
India	883	1,518	1,424	1,942
Saudi Arabia	0	810	810	0
Switzerland	898	1,525	1,295	1,036
Argentina	499	1,245	1,202	4,330
Chile	532	946	927	1,791
Ecuador	9	652	541	1,037
Norway	1,427	1,177	1,146	1,071
All others	1,385	483	414	1,024
Total	119,861	131,342	123,966	129,194
Grand total	338,811	358,899	332,263	324,037

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, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	291	5	2	23
Austria	1,113	956	711	3,867
Brazil	10,382	15,018	13,239	10,314
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	54,224	38,365	34,919	80,239
Finland	0	1	1	50
Hungary	0	0	0	42
Japan	50,318	23,536	21,237	48,131
Mexico	14,577	13,693	12,156	22,287
Peoples Rep of China	36,253	36,866	33,331	39,424
Poland	19,213	16,070	15,130	13,843
Romania	6,859	143	143	0
Republic of South Africa	4,340	1,550	1,550	691
Korea, Republic of	186,794	192,127	175,180	167,373
Trinidad and Tobago	0	94	94	0
Venezuela	2,683	1,352	1,274	15,721
Yugoslavia	7,882	7,314	6,216	5,607
Total	394,929	347,090	315,183	407,612
Other countries:				
Canada	106,028	98,251	94,439	108,851
Turkey	37,393	23,631	22,842	9,810
United Arab Emirates	7,787	20,059	18,370	14,285
Indonesia	11,116	18,621	16,287	23,989
Argentina	12,069	18,002	15,657	16,164
Taiwan	37,689	13,715	13,067	15,493
Thailand	20,516	8,627	8,332	19,783
Chile	10,919	8,459	7,952	7,593
India	505	4,571	3,985	7,714
Saudi Arabia	305	3,718	3,718	8,161
All others	10,123	7,707	6,909	14,924
Total	254,450	225,361	211,558	246,767
Grand total	649,379	572,451	526,741	654,379

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, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	249	20	17	69
Austria	1,973	1,556	1,292	8,178
Brazil	4,592	7,169	6,211	6,010
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	39,814	33,725	30,720	124,446
Finland	0	96	95	59
Hungary	0	0	0	23
Japan	46,874	28,992	25,937	89,408
Mexico	7,758	8,903	7,980	18,291
Peoples Rep of China	17,786	14,640	13,196	23,873
Poland	7,056	5,403	5,075	4,843
Romania	2,424	44	44	0
Republic of South Africa	2,199	792	792	533
Korea, Republic of	128,818	138,561	124,953	148,579
Trinidad and Tobago	0	27	27	0
Venezuela	498	387	361	4,925
Yugoslavia	2,845	3,027	2,644	2,313
Total	262,886	243,342	219,344	431,550
Other countries:				
Canada	73,873	70,198	67,289	91,072
Turkey	12,966	8,700	8,386	5,025
United Arab Emirates	2,582	7,562	6,850	5,748
Indonesia	4,341	6,881	5,979	10,128
Argentina	5,105	7,943	6,841	8,606
Taiwan	24,306	12,448	11,421	17,759
Thailand	10,027	5,332	5,034	8,989
Chile	4,662	3,991	3,716	3,996
India	263	2,659	2,240	5,136
Saudi Arabia	103	1,239	1,239	2,996
All others	6,976	6,778	5,937	19,474
Total	145,204	133,731	124,932	178,929
Grand total	408,090	377,073	344,276	610,479

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 17.--Carbon and certain alloy 1/ steel structural shapes and units: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	55	139	139	291
Austria	377	1,541	1,499	638
Brazil	11,926	20,210	19,304	11,578
Czechoslovakia	0	0	0	0
East Germany	0	0	0	92
EC countries	823,041	903,438	785,095	746,263
Finland	341	118	118	2,649
Hungary	0	0	0	0
Japan	629,977	590,217	566,714	356,617
Mexico	17,953	24,912	21,703	16,452
Peoples Rep of China	8	208	208	714
Poland	18,559	14,059	14,059	20,314
Romania	0	19	0	168
Republic of South Africa	933	143	143	0
Korea, Republic of	135,070	169,302	154,325	81,613
Trinidad and Tobago	0	0	0	120
Venezuela	0	2/	0	98
Yugoslavia	0	263	263	0
Total	1,638,240	1,724,569	1,563,570	1,237,607
Other countries:				
Canada	398,180	338,187	323,270	228,881
Norway	61,316	64,361	64,361	28,402
Argentina	17,757	27,523	27,515	30,494
Taiwan	17,179	9,020	8,515	6,154
New Zealand	9,076	8,242	7,470	8,467
Indonesia	0	4,074	3,428	3,251
Sweden	2,170	3,925	3,844	928
Thailand	0	3,278	1,161	0
Singapore	6,702	3,129	3,004	854
Switzerland	131	626	587	145
All others	2,917	1,534	1,444	6,469
Total	515,428	463,899	444,599	314,045
Grand total	2,153,668	2,188,468	2,008,169	1,551,652

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, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	54	135	133	884
Austria	1,455	1,865	1,737	1,594
Brazil	4,099	8,055	7,963	5,400
Czechoslovakia	0	0	0	0
East Germany	0	0	0	28
EC countries	271,310	356,905	312,155	290,828
Finland	336	248	248	4,036
Hungary	0	0	0	0
Japan	189,574	228,010	216,052	151,798
Mexico	7,074	11,585	10,080	8,140
Peoples Rep of China	71	154	154	563
Poland	3,990	3,587	3,587	6,405
Romania	0	11	0	73
Republic of South Africa	573	694	694	0
Korea, Republic of	59,530	84,018	77,942	43,698
Trinidad and Tobago	0	0	0	63
Venezuela	0	1	0	76
Yugoslavia	0	393	393	0
Total	538,066	695,661	631,138	513,586
Other countries:				
Canada	220,522	201,529	191,720	140,899
Norway	15,052	21,943	21,943	9,185
Argentina	4,186	7,274	7,266	10,137
Taiwan	9,331	5,476	4,971	5,905
New Zealand	9,040	8,814	7,705	9,905
Indonesia	0	1,173	987	951
Sweden	7,243	5,413	5,275	2,613
Thailand	0	1,711	611	0
Singapore	4,293	2,903	2,776	676
Switzerland	818	1,557	1,535	276
All others	6,366	1,349	1,283	3,576
Total	276,851	259,142	246,072	184,123
Grand total	814,917	954,803	877,210	697,709

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 1/ steel rails and related products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	30	2	2	3,370
Austria	5	703	444	5,606
Brazil	2,440	4,553	4,115	2,832
Czechoslovakia	0	0	0	0
East Germany	0	1	1	0
EC countries	42,340	52,358	48,838	52,558
Finland	2/	3	3	0
Hungary	0	4	2	0
Japan	84,891	79,347	72,825	79,929
Mexico	46	26	25	369
Peoples Rep of China	45	25	25	454
Poland	0	0	0	105
Romania	0	0	0	0
Republic of South Africa	879	2/	2/	0
Korea, Republic of	5,803	6,919	6,346	6,660
Trinidad and Tobago	0	0	0	0
Venezuela	344	77	77	0
Yugoslavia	0	0	0	0
Total	136,823	144,018	132,703	151,883
Other countries:				
Canada	101,439	172,077	161,957	141,737
Sweden	7,424	3,064	3,064	876
Gabon	0	128	0	0
Taiwan	168	128	114	400
Argentina	6	6	6	1,794
India	0	6	6	0
Philippines	0	6	6	0
Honduras	0	2/	2/	9
Norway	0	2/	2/	0
Colombia	0	0	0	71
All others	127	0	0	9,973
Total	109,164	175,415	165,153	154,860
Grand total	245,987	319,433	297,856	306,743

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, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	15	7	7	3,698
Austria	37	299	176	3,148
Brazil	2,016	3,751	3,404	2,456
Czechoslovakia	0	0	0	0
East Germany	0	5	5	0
EC countries	17,563	25,214	22,948	27,791
Finland	5	14	14	0
Hungary	0	25	12	0
Japan	34,066	38,835	35,355	43,897
Mexico	14	37	30	362
Peoples Rep of China	32	9	9	220
Poland	0	0	0	49
Romania	0	0	0	0
Republic of South Africa	563	1	1	0
Korea, Republic of	1,863	2,580	2,337	3,401
Trinidad and Tobago	0	0	0	0
Venezuela	70	24	24	0
Yugoslavia	0	0	0	0
Total	56,244	70,801	64,322	85,022
Other countries:				
Canada	20,479	50,140	47,106	56,404
Sweden	2,553	1,001	1,001	600
Gabon	0	67	0	0
Taiwan	302	294	256	773
Argentina	24	17	17	559
India	0	16	16	0
Philippines	0	28	28	0
Honduras	0	2	2	4
Norway	0	3	3	0
Colombia	0	0	0	233
All others	284	0	0	1,420
Total	23,642	51,568	48,429	59,993
Grand total	79,886	122,369	112,751	145,015

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/ steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	11,869	12,375	12,375	6,905
Austria	19,766	26,408	24,722	17,477
Brazil	75,669	87,724	74,023	61,613
Czechoslovakia	6,660	7,164	6,138	5,027
East Germany	5,909	7,828	7,828	6,520
EC countries	416,505	488,108	453,933	472,261
Finland	5,968	12,755	9,385	6,000
Hungary	0	585	585	1,109
Japan	542,452	790,770	736,929	484,857
Mexico	137,761	131,349	117,119	127,104
Peoples Rep of China	2,056	18,422	12,198	973
Poland	7,267	8,048	6,945	4,658
Romania	22,488	27,284	27,284	9,386
Republic of South Africa	40	0	0	0
Korea, Republic of	331,525	496,059	428,474	331,445
Trinidad and Tobago	0	0	0	0
Venezuela	38,840	19,510	19,506	20,169
Yugoslavia	7,183	3,732	3,732	2,226
Total	1,631,958	2,138,121	1,941,176	1,557,730
Other countries:				
Canada	514,456	436,372	414,984	427,448
Thailand	93,717	148,259	140,285	34,384
Argentina	100,108	148,192	142,746	84,966
Taiwan	79,176	88,055	78,858	56,070
Singapore	37,408	47,545	46,383	25,980
India	10,848	44,486	41,429	24,799
Turkey	140,786	32,001	30,902	16,107
Sweden	30,146	26,842	25,263	19,315
Malaysia	13,285	22,879	22,879	3,565
Chile	2,077	22,048	20,281	2,419
All others	94,680	95,139	90,442	42,594
Total	1,116,687	1,111,818	1,054,452	737,647
Grand total	2,748,645	3,249,939	2,995,628	2,295,377

See footnote(s) at end of table.

Table 19.--Carbon and certain alloy 1/ steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	4,265	4,959	4,959	3,102
Austria	11,963	23,494	21,474	13,528
Brazil	32,186	41,170	34,978	34,220
Czechoslovakia	2,057	3,472	2,885	2,340
East Germany	1,862	4,115	4,115	2,763
EC countries	214,253	346,165	320,457	309,550
Finland	1,915	5,624	4,075	2,987
Hungary	0	266	266	517
Japan	295,849	597,887	551,975	363,258
Mexico	57,935	71,872	64,355	68,514
Peoples Rep of China	895	7,066	4,515	360
Poland	2,219	3,115	2,552	2,105
Romania	7,377	11,018	11,018	3,770
Republic of South Africa	15	0	0	0
Korea, Republic of	137,101	239,742	205,441	165,761
Trinidad and Tobago	0	0	0	0
Venezuela	13,066	7,535	7,533	8,723
Yugoslavia	2,462	2,036	2,036	946
Total	785,420	1,369,536	1,242,634	982,444
Other countries:				
Canada	254,194	266,692	253,901	267,109
Thailand	32,613	58,119	54,781	14,718
Argentina	38,060	76,641	74,005	48,712
Taiwan	28,607	39,591	35,198	26,601
Singapore	13,763	19,833	19,274	12,494
India	4,059	20,173	18,779	11,445
Turkey	43,271	14,568	13,789	6,678
Sweden	21,798	23,510	21,948	20,521
Malaysia	4,615	9,314	9,314	1,550
Chile	829	9,500	8,715	1,238
All others	35,348	41,391	38,802	19,537
Total	477,157	579,332	548,506	430,603
Grand total	1,262,577	1,948,868	1,791,140	1,413,047

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 20. Total, carbon and certain 1/ alloy steel products: U.S. imports for consumption, by principal sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	155,092	282,061	264,140	266,671
Austria	116,298	134,200	124,247	78,176
Brazil	1,135,516	1,468,033	1,383,049	1,331,692
Czechoslovakia	29,792	37,280	36,254	20,913
East Germany	95,910	92,234	88,609	55,867
EC countries	5,760,255	6,147,884	5,641,158	5,189,121
Finland	166,202	204,209	185,870	201,931
Hungary	27,064	30,094	29,886	28,420
Japan	4,311,383	4,277,647	3,977,673	3,385,943
Mexico	471,462	478,207	431,826	421,270
Peoples Rep of China	51,081	68,735	58,074	56,304
Poland	91,561	89,325	85,449	70,618
Romania	82,408	102,530	102,512	45,044
Republic of South Africa	30,015	1,693	1,693	698
Korea, Republic of	1,419,183	1,560,497	1,394,289	1,095,121
Trinidad and Tobago	62,575	31,380	29,932	47,918
Venezuela	170,571	169,376	163,475	164,132
Yugoslavia	15,394	12,734	11,635	7,865
Total	14,191,762	15,188,119	14,009,771	12,467,704
Other countries:				
Canada	3,763,701	3,373,766	3,211,125	2,977,783
Argentina	346,313	557,969	541,055	217,410
Sweden	566,885	522,294	500,102	201,359
Turkey	407,413	307,985	304,492	175,003
Indonesia	235,573	281,142	272,705	60,088
Taiwan	257,931	243,886	230,872	148,768
Norway	154,194	181,502	163,084	78,079
Thailand	120,179	160,176	149,792	54,189
Singapore	144,538	153,163	151,775	76,837
India	60,231	99,714	94,983	102,494
All others	350,185	441,075	421,348	200,242
Total	6,407,143	6,322,672	6,041,333	4,292,252
Grand total	20,598,905	21,510,791	20,051,104	16,759,956

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, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	70,279	118,320	109,180	121,237
Austria	49,477	70,268	64,516	50,188
Brazil	318,756	451,458	418,064	433,929
Czechoslovakia	7,156	11,986	11,400	7,375
East Germany	25,328	31,334	30,000	18,908
EC countries	2,227,322	2,702,007	2,465,463	2,428,720
Finland	51,574	81,482	74,502	78,664
Hungary	6,191	8,600	8,510	9,155
Japan	2,045,689	2,386,680	2,207,070	2,028,330
Mexico	172,255	220,745	198,575	201,705
Peoples Rep of China	23,479	27,385	23,028	31,473
Poland	26,671	29,711	28,133	24,889
Romania	25,093	36,033	36,022	15,706
Republic of South Africa	7,322	1,487	1,487	551
Korea, Republic of	608,066	743,129	659,661	561,030
Trinidad and Tobago	15,482	8,400	7,876	14,665
Venezuela	48,835	53,667	51,905	56,979
Yugoslavia	5,404	5,925	5,542	3,277
Total	5,734,379	6,988,617	6,400,934	6,086,781
Other countries:				
Canada	1,591,881	1,593,962	1,516,411	1,471,623
Argentina	122,372	221,780	214,140	104,479
Sweden	207,367	221,486	209,358	131,304
Turkey	123,568	93,038	90,175	55,835
Indonesia	56,949	81,687	78,933	21,348
Taiwan	104,597	109,041	101,941	84,191
Norway	39,717	55,371	50,120	29,768
Thailand	43,817	65,167	60,432	23,730
Singapore	42,953	50,360	49,614	30,590
India	22,038	42,731	40,472	41,406
All others	123,858	163,352	153,471	98,586
Total	2,479,117	2,697,975	2,565,067	2,092,860
Grand total	8,213,496	9,686,592	8,966,001	8,179,641

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 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	0	0	0	0
Austria	0	73	58	0
Brazil	13,361	1,683	1,683	0
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	6,709	10,624	6,987	11,755
Finland	0	0	0	0
Hungary	0	0	0	0
Japan	3,605	1,935	1,935	698
Mexico	0	0	0	166
Peoples Rep of China	0	0	0	0
Poland	0	74	74	293
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	0	0	0	0
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	23,675	14,389	10,737	12,912
Other countries:				
Canada	25,200	33,527	32,362	34,984
Sweden	7,849	14,491	13,937	8,815
Israel	0	0	0	1/
Taiwan	0	0	0	1/
Total	33,049	48,018	46,299	43,799
Grand total	56,724	62,407	57,036	56,711

See footnote(s) at end of table.

Table 21.--Stainless semifinished steel: U.S. imports for consumption, by specified sources 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	0	0	0	0
Austria	0	234	189	0
Brazil	3,904	542	542	0
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	5,984	13,120	9,905	8,906
Finland	0	0	0	0
Hungary	0	0	0	0
Japan	3,581	2,906	2,906	1,413
Mexico	0	0	0	413
Peoples Rep of China	0	0	0	0
Poland	0	102	102	532
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	0	0	0	0
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	13,469	16,904	13,644	11,264
Other countries:				
Canada	25,133	52,871	50,810	66,380
Sweden	7,692	23,240	22,046	20,213
Israel	0	0	0	5
Hong Kong	0	0	0	2
Taiwan	0	0	0	16
Total	32,825	76,111	72,856	86,616
Grand total	46,294	93,015	86,500	97,880

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, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	0	0	0	0
Austria	96	249	232	170
Brazil	36	0	0	0
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	5,278	7,364	6,701	11,467
Finland	2,369	2,730	2,651	1,572
Hungary	0	0	0	0
Japan	1,558	2,225	2,118	1,482
Mexico	2	0	0	4
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	0	125	0	10
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	9,339	12,693	11,702	14,705
Other countries:				
Sweden	1,744	2,779	1,666	1,853
Canada	34	371	336	166
Anguilla	0	5	0	0
Total	1,778	3,155	2,002	2,019
Grand total	11,117	15,848	13,704	16,724

Table 22.--Stainless steel plate: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	0	0	0	0
Austria	366	953	902	782
Brazil	56	0	0	0
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	9,256	15,635	13,734	34,265
Finland	3,590	6,147	5,908	4,484
Hungary	0	0	0	0
Japan	2,339	4,514	4,199	4,354
Mexico	2	0	0	3
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	0	50	0	24
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	15,609	27,299	24,743	43,912
Other countries:				
Sweden	3,986	6,775	4,388	5,506
Canada	33	889	768	387
Anguilla	0	9	0	0
Total	4,019	7,673	5,156	5,893
Grand total	19,628	34,972	29,899	49,805

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, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	0	0	0	1/
Austria	52	29	29	16
Brazil	550	313	313	0
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	55,204	60,758	53,760	61,115
Finland	6,296	6,045	5,903	1,255
Hungary	0	0	0	0
Japan	25,733	22,393	20,758	42,616
Mexico	18,819	8,814	8,167	12,785
Peoples Rep of China	21	0	0	0
Poland	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	9,450	7,845	7,596	6,650
Trinidad and Tobago	0	0	0	0
Venezuela	0	5	0	0
Yugoslavia	0	0	0	0
Total	116,125	106,202	96,526	124,437
Other countries:				
Sweden	7,493	8,433	7,635	5,456
Canada	4,892	3,838	3,564	2,216
India	341	90	90	0
Honduras	0	19	19	0
Peru	0	2	2	0
Antigua	1	0	0	0
Norway	37	0	0	0
Turkey	0	0	0	1/
Jordan	19	0	0	0
Hong Kong	41	0	0	0
All others	345	0	0	117
Total	13,169	12,382	11,310	7,789
Grand total	129,294	118,584	107,836	132,226

See footnote(s) at end of table.

Table 23.--Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	0	0	0	3
Austria	202	136	136	76
Brazil	675	480	480	0
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	85,776	122,326	106,623	134,132
Finland	9,834	13,459	13,024	3,524
Hungary	0	0	0	0
Japan	43,684	50,112	45,141	89,084
Mexico	30,157	16,454	14,783	29,841
Peoples Rep of China	29	0	0	0
Poland	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	14,459	17,343	16,708	16,104
Trinidad and Tobago	0	0	0	0
Venezuela	0	21	0	0
Yugoslavia	0	0	0	0
Total	184,816	220,331	196,895	272,764
Other countries:				
Sweden	17,785	24,684	21,819	19,495
Canada	8,019	9,552	8,808	6,959
India	492	172	172	0
Honduras	0	35	35	0
Peru	0	26	26	0
Antigua	11	0	0	0
Norway	16	0	0	0
Turkey	0	0	0	3
Jordan	37	0	0	0
Hong Kong	59	0	0	0
All others	464	0	0	95
Total	26,883	34,469	30,860	26,552
Grand total	211,699	254,800	227,755	299,316

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, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	0	0	0	0
Austria	94	183	177	192
Brazil	1,450	3,827	3,699	4,359
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	9,725	12,705	11,822	9,385
Finland	0	0	0	0
Hungary	0	0	0	0
Japan	19,259	16,715	15,110	18,361
Mexico	0	49	49	0
Peoples Rep of China	4	2	2	7
Poland	0	0	0	0
Romania	0	18	18	15
Republic of South Africa	0	0	0	0
Korea, Republic of	2,582	1,604	1,512	2,642
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	33,114	35,103	32,389	34,961
Other countries:				
Sweden	3,200	3,708	3,459	2,317
Canada	1,269	1,641	1,375	1,488
India	126	224	224	131
Taiwan	59	49	36	59
Hong Kong	0	1/	1/	0
Switzerland	66	1/	1/	10
Argentina	111	0	0	75
Bulgaria	46	0	0	0
Jordan	0	0	0	10
Singapore	0	0	0	1/
All others	0	0	0	2
Total	4,877	5,622	5,094	4,092
Grand total	37,991	40,725	37,483	39,053

See footnote(s) at end of table.

Table 24.--Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	0	0	0	0
Austria	257	412	400	504
Brazil	2,503	5,743	5,523	10,135
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	18,326	29,888	27,215	27,784
Finland	0	0	0	0
Hungary	0	0	0	0
Japan	36,707	40,671	35,654	57,094
Mexico	0	163	163	0
Peoples Rep of China	75	40	40	32
Poland	0	0	0	0
Romania	0	30	30	27
Republic of South Africa	0	0	0	0
Korea, Republic of	4,294	3,389	3,140	7,668
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	62,162	80,336	72,165	103,244
Other countries:				
Sweden	6,180	8,981	8,196	7,543
Canada	2,136	3,608	3,185	4,077
India	199	420	420	310
Taiwan	108	162	113	166
Hong Kong	0	3	1	0
Switzerland	129	1	1	64
Argentina	201	0	0	134
Bulgaria	70	0	0	0
Jordan	0	0	0	41
Singapore	0	0	0	2
All others	0	0	0	53
Total	9,023	13,175	11,916	12,390
Grand total	71,185	93,511	84,081	115,634

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, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	0	0	0	0
Austria	0	49	25	88
Brazil	874	964	964	788
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	7,023	8,877	7,426	9,681
Finland	0	0	0	0
Hungary	0	0	0	0
Japan	5,544	5,483	5,002	5,460
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	868	375	375	262
Trinidad and Tobago	0	138	138	0
Venezuela	0	0	0	0
Yugoslavia	0	17	17	0
Total	14,309	15,903	13,947	16,279
Other countries:				
Sweden	3,955	3,159	2,866	3,186
Taiwan	47	148	148	0
Canada	0	1/	1/	274
Argentina	0	0	0	15
Total	4,002	3,307	3,014	3,475
Grand total	18,311	19,210	16,961	19,754

See footnote(s) at end of table.

Table 25.--Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	0	0	0	0
Austria	0	68	34	129
Brazil	1,224	1,543	1,543	1,710
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	13,628	23,039	18,987	28,385
Finland	0	0	0	0
Hungary	0	0	0	0
Japan	8,927	11,611	10,312	14,681
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	1,150	552	552	609
Trinidad and Tobago	0	202	202	0
Venezuela	0	0	0	0
Yugoslavia	0	22	22	0
Total	24,929	37,037	31,652	45,514
)ther countries:				
Sweden	6,995	7,916	6,975	10,254
Taiwan	72	328	328	0
Canada	0	2	2	758
Argentina	0	0	0	26
Total	7,067	8,246	7,305	11,038
Grand total	31,996	45,283	38,957	56,552

/ Less than 0.5 short ton.

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

Table 26.--Stainless steel wire: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	1/	1/	1/	1/
Austria	37	25	11	88
Brazil	188	156	156	849
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	7,384	8,101	6,979	7,099
Finland	0	0	0	7
Hungary	0	0	0	0
Japan	4,254	4,719	4,099	4,502
Mexico	0	1	1	6
Peoples Rep of China	0	0	0	0
Poland	71	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	884	986	853	739
Trinidad and Tobago	0	0	0	0
Venezuela	0	3	0	0
Yugoslavia	0	0	0	3
Total	12,818	13,991	12,099	13,293
Other countries:				
Sweden	2,555	2,685	2,478	2,323
Canada	2,043	2,277	2,180	2,158
Taiwan	1,462	1,221	1,071	1,073
Switzerland	47	268	237	319
India	77	209	180	896
Singapore	0	1/	0	0
Israel	65	0	0	0
Thailand	0	0	0	31
Hong Kong	0	0	0	1/
New Zealand	15	0	0	0
Total	6,264	6,660	6,146	6,800
Grand total	19,082	20,651	18,245	20,093

See footnote(s) at end of table.

Table 26.--Stainless steel wire: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	64	39	39	68
Austria	172	117	56	433
Brazil	282	304	304	2,067
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	18,881	24,922	21,064	26,821
Finland	0	0	0	58
Hungary	0	0	0	0
Japan	13,957	18,705	16,148	19,479
Mexico	0	6	6	3
Peoples Rep of China	0	0	0	0
Poland	16	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	2,240	3,044	2,517	2,964
Trinidad and Tobago	0	0	0	0
Venezuela	0	11	0	0
Yugoslavia	0	0	0	4
Total	35,612	47,148	40,134	51,897
Other countries:				
Sweden	10,548	12,922	11,687	13,003
Canada	6,960	9,650	9,126	11,526
Taiwan	3,797	3,824	3,245	3,722
Switzerland	170	1,254	1,086	1,505
India	159	414	343	2,432
Singapore	0	5	0	0
Israel	85	0	0	0
Thailand	0	0	0	126
Hong Kong	0	0	0	4
New Zealand	49	0	0	0
Total	21,768	28,069	25,487	32,318
Grand total	57,380	75,217	65,621	84,215

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, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	0	23	23	0
Austria	395	756	645	591
Brazil	0	0	0	12
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	4,519	7,081	6,664	11,405
Finland	0	1/	1/	0
Hungary	0	0	0	0
Japan	7,208	8,365	7,672	8,917
Mexico	781	950	927	343
Peoples Rep of China	0	0	0	4
Poland	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	1/
Korea, Republic of	517	392	377	654
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	13,420	17,567	16,308	21,926
Other countries:				
Canada	5,432	6,925	6,647	5,858
Taiwan	3,571	6,809	6,358	2,917
Sweden	4,016	5,253	4,931	4,021
Thailand	0	188	175	332
India	0	4	4	5
Israel	1/	4	4	1/
Switzerland	2	1	1	16
New Zealand	0	1/	1/	0
Norway	1/	0	0	1/
Malaysia	1/	0	0	13
All others	6	0	0	194
Total	13,027	19,184	18,120	13,356
Grand total	26,447	36,751	34,428	35,282

See footnote(s) at end of table.

Table 27.--Stainless steel pipe and tube: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	0	135	135	0
Austria	1,637	4,157	3,425	4,672
Brazil	0	0	0	54
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	14,687	27,461	25,351	42,581
Finland	0	1	1	0
Hungary	0	0	0	0
Japan	22,587	31,923	28,496	50,338
Mexico	1,654	2,891	2,812	1,185
Peoples Rep of China	0	0	0	12
Poland	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	4
Korea, Republic of	1,412	1,255	1,202	2,433
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	41,977	67,823	61,422	101,279
Other countries:				
Canada	17,196	24,048	22,802	28,725
Taiwan	9,190	21,308	19,425	11,706
Sweden	12,414	22,285	20,623	21,842
Thailand	0	458	428	874
India	0	17	17	20
Israel	49	77	77	3
Switzerland	168	177	163	204
New Zealand	0	2	2	0
Norway	2	0	0	7
Malaysia	2	0	0	45
All others	21	0	0	666
Total	39,042	68,372	63,537	64,092
Grand total	81,019	136,195	124,959	165,371

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, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	19	0	0	18
Austria	2,693	2,538	2,186	2,506
Brazil	997	1,920	1,719	1,894
Czechoslovakia	0	21	21	33
East Germany	0	4	4	0
EC countries	10,349	12,825	11,769	15,142
Finland	22	5	5	0
Hungary	0	0	0	0
Japan	6,077	4,416	3,981	5,284
Mexico	139	346	346	108
Peoples Rep of China	1/	103	103	158
Poland	304	249	189	225
Romania	0	0	0	[illegible]
Republic of South Africa	0	0	0	0
Korea, Republic of	1,388	779	735	1,067
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	36
Yugoslavia	0	0	0	0
Total	21,988	23,206	21,058	26,471
Other countries:				
Sweden	11,669	12,254	11,173	10,193
Canada	6,868	8,573	8,193	8,293
Argentina	70	42	42	98
India	0	19	0	1/
Switzerland	1/	1/	1/	1/
Soviet Union	0	0	0	10
Israel	0	0	0	1/
Malaysia	2	0	0	0
Taiwan	1/	0	0	0
Total	18,609	20,888	19,408	18,594
Grand total	40,597	44,094	40,466	45,065

See footnote(s) at end of table.

Table 28.--Alloy tool steel (all forms): U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	31	0	0	41
Austria	5,895	6,561	5,627	6,961
Brazil	1,349	3,560	3,162	3,165
Czechoslovakia	0	33	33	46
East Germany	0	6	6	0
EC countries	18,558	23,213	21,248	29,146
Finland	37	15	15	0
Hungary	0	0	0	0
Japan	12,370	14,883	13,398	10,316
Mexico	142	434	434	156
Peoples Rep of China	4	149	149	205
Poland	454	468	354	567
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	2,097	1,303	1,224	1,776
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	44
Yugoslavia	0	0	0	0
Total	40,937	50,625	45,650	52,423
Other countries:				
Sweden	28,049	30,589	27,657	27,916
Canada	9,342	12,019	11,421	11,888
Argentina	122	65	65	165
India	0	16	0	4
Switzerland	2	2	2	1
Soviet Union	0	0	0	8
Israel	0	0	0	10
Malaysia	1	0	0	0
Taiwan	1	0	0	0
Total	37,517	42,691	39,145	39,992
Grand total	78,454	93,316	84,795	92,415

1/ Less than 0.5 short ton.

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

[illegible] metal, granule [illegible] and alloy [illegible] steel products [illegible] U.S. imports [illegible] by principal sources, 1987, 1988, and in specified periods, 1988

Item	1987	1988	January--November 1988	January--November 1989
	Quantity (short tons)			
VRA countries:				
Australia	20	24	24	19
Austria	3,368	3,901	3,363	3,651
Brazil	17,456	8,863	8,534	7,901
Czechoslovakia	0	21	21	33
East Germany	0	4	4	0
EC countries	106,191	128,336	112,108	137,049
Finland	8,687	8,780	8,559	2,834
Hungary	0	0	0	0
Japan	73,238	66,251	60,676	87,320
Mexico	19,741	10,160	9,491	13,411
Peoples Rep of China	26	106	106	170
Poland	375	323	264	518
Romania	0	18	18	15
Republic of South Africa	0	0	0	1/
Korea, Republic of	15,689	12,105	11,447	12,025
Trinidad and Tobago	0	138	138	0
Venezuela	0	7	0	36
Yugoslavia	0	17	17	3
Total	244,791	239,054	214,770	264,985
Other countries:				
Canada	45,739	57,153	54,658	55,437
Sweden	42,482	52,761	48,144	38,164
Taiwan	5,484	8,227	7,613	4,167
India	544	546	499	1,033
Switzerland	116	270	238	345
Thailand	0	188	175	363
Argentina	181	42	42	187
Honduras	0	19	19	0
Anguilla	0	5	0	0
Israel	65	4	4	1
All others	167	4	3	231
Total	94,778	119,219	111,395	99,928
Grand total	339,569	358,273	326,165	364,913

See footnote(s) at end of table.

Table 29.--Total, stainless and alloy tool steel products: U.S. imports for consumption, by principal sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--November 1988	January--November 1989
	Value (thousand dollars)			
VRA countries:				
Australia	95	174	174	112
Austria	8,529	12,639	10,770	13,557
Brazil	9,993	12,173	11,556	17,130
Czechoslovakia	0	33	33	46
East Germany	0	6	6	0
EC countries	185,095	279,603	244,127	332,020
Finland	13,461	19,623	18,948	8,065
Hungary	0	0	0	0
Japan	144,150	175,325	156,254	246,758
Mexico	31,955	19,948	18,197	31,600
Peoples Rep of China	108	189	189	248
Poland	470	570	457	1,099
Romania	0	30	30	27
Republic of South Africa	0	0	0	4
Korea, Republic of	25,652	26,936	25,342	31,579
Trinidad and Tobago	0	202	202	0
Venezuela	0	32	0	44
Yugoslavia	0	22	22	4
Total	419,508	547,505	486,307	682,293
Other countries:				
Canada	68,819	112,639	106,923	130,699
Sweden	93,649	137,391	123,392	125,771
Taiwan	13,631	25,622	23,111	15,705
India	851	1,039	952	2,765
Switzerland	469	1,434	1,252	1,775
Thailand	0	458	428	1,000
Argentina	323	65	65	325
Honduras	0	35	35	0
Anguilla	0	9	0	0
Israel	134	77	77	18
All others	269	35	29	831
Total	178,145	278,804	256,264	278,889
Grand total	597,653	826,309	742,571	961,182

_/ 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, 1987, 1988, and by specified periods, 1988 and 1989

(Per short ton)

Item	1987	1988	January-November 1988	January-November 1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/	211	240	239	259
Plate	332	405	403	400
Sheet and strip:				
Hot rolled	308	364	362	378
Cold rolled	449	509	507	548
Galvanized	503	552	552	586
Tin plate	533	567	565	612
Tin free	509	542	542	571
Other coated	528	590	590	613
Average, sheet and strip	433	481	479	511
Bar:				
Hot finished	369	406	405	452
Cold finished	831	598	597	655
Reinforcing	248	262	258	309
Light shapes	315	382	372	350
Average, bar	400	396	393	443
Wire rod	313	347	344	376
Wire	631	691	686	733
Wire products	628	659	654	933
Structural shapes and units:				
Heavy structurals	304	376	377	377
Fabricated structurals	898	939	927	1,139
Average, structurals	378	436	437	450
Rails and related products	325	383	379	473
Pipe and tube:				
Oil country tubular goods	536	730	729	749
Line pipe	421	529	528	565
Mechanical pipe	623	675	667	780
Structural pipe	368	507	506	564
Pressure tubing	688	793	777	1,015
Other (incl. standard)	415	487	486	519
Average, pipe and tube	459	600	598	616
Average, carbon and certain alloy 1/ steel	399	450	447	488

ee footnotes at end of table.

Table 30.--Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, 1987, 1988, and by specified periods, 1988 and 1989

(Per short ton)

Item	1987	1988	January-November	
			1988	1989
ainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	816	1,490	1,517	1,726
Plate	1,766	2,207	2,182	2,978
Sheet and strip:				
Sheet	1,566	2,067	2,034	2,101
Strip	2,555	3,331	3,247	3,202
Average, sheet and strip	1,637	2,149	2,112	2,264
Bars and shapes	1,874	2,296	2,245	2,961
Wire rod	1,747	2,357	2,297	2,863
Wire	3,007	3,642	3,596	4,191
Pipe and tube	3,063	3,706	3,629	4,687
Alloy tool steel (all forms)	1,932	2,116	2,095	2,051
Average, stainless and alloy steel	1,760	2,306	2,277	2,634

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, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January-November 1988	January-November 1989
	Quantity (short tons)			
Carbon and certain alloy 3/ steel:				
Semifinished 2/				
Ingots	103,967	103,282	101,674	25,827
Blooms and billets	426,208	581,907	562,481	494,314
Slabs and sheet bars	1,702,095	2,097,383	2,023,187	1,542,279
Total	2,232,270	2,782,572	2,687,342	2,062,420
Plate:				
Carbon	1,450,898	1,750,917	1,633,406	1,240,54[illegible]
Alloy	104,678	106,172	99,439	100,571
Total	1,555,577	1,857,090	1,732,845	1,341,113
Sheet and strip:				
Hot rolled:				
Sheet	2,123,804	2,199,268	2,041,029	1,719,409
Strip	43,197	49,553	42,822	103,037
Cold rolled:				
Black plate	159,779	145,166	134,837	137,027
Electrical	64,822	64,684	60,955	81,585
Other sheet	2,156,348	2,011,242	1,856,301	1,578,822
Other strip	135,227	126,534	117,260	105,885
Galvanized	2,306,233	1,948,811	1,825,157	1,490,466
Tin plate	332,306	294,552	271,368	317,036
Tin free	101,172	97,460	87,744	106,924
Other coated	323,709	248,111	228,070	221,227
Total	7,746,596	7,185,380	6,665,543	5,861,418
Bar:				
Hot rolled:				
Carbon	443,037	476,951	440,933	500,921
Alloy	160,811	186,902	177,798	227,753
Cold rolled:				
Carbon	152,283	161,345	148,554	110,630
Alloy	40,927	52,093	46,300	43,521
Reinforcing	351,632	357,253	333,487	227,003
Light structural shapes	132,477	126,568	121,457	97,733
Total	1,281,168	1,361,113	1,268,530	1,207,561

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, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January-November 1988	January-November 1989
	Quantity (short tons)			
Wire rod and related products:				
Wire rod:				
Carbon	1,341,257	1,355,951	1,274,465	996,340
Alloy	107,463	118,672	109,345	40,725
Wire:				
Carbon	504,898	486,699	454,534	404,717
Alloy	31,999	33,028	30,104	37,514
Wire products:				
Nails	440,746	364,748	339,540	355,766
Barbed wire	16,643	15,538	14,082	11,396
Wire fencing	13,263	12,052	10,734	58,548
Bale ties	1,719	1,849	1,687	918
Wire strand	98,898	88,300	79,950	149,695
Wire rope	65,683	77,564	69,075	78,056
Milliners wire	12,426	12,400	11,674	1/
Total	2,634,993	2,566,801	2,395,191	2,133,675
Structurals:				
Heavy	1,884,684	1,955,762	1,789,030	1,404,444
Fabricated	268,985	232,705	219,138	147,207
Total	2,153,669	2,188,467	2,008,169	1,551,651
Rails and related products:				
Rails	213,530	260,006	242,888	232,632
Joint bars and tie plates	13,969	8,487	8,153	13,623
Track spikes	370	205	205	5,767
Wheels and axles	18,120	50,734	46,612	54,719
Total	245,988	319,432	297,857	306,741
Pipes and tubes:				
Oil country tubular goods	594,463	1,032,296	951,092	405,994
Line pipe	526,047	507,914	465,172	504,409
Mechanical pipe	284,807	382,270	360,266	268,299
Structural pipe	428,758	278,870	263,445	305,741
Pressure tubing	27,122	52,100	49,499	43,106
Other (including standard)	887,446	996,487	906,155	767,829
Total	2,748,644	3,249,937	2,995,629	2,295,378

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, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January-November 1988	January-November 1989
	Quantity (short tons)			
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots	1,106	3,877	3,877	117
Blooms and billets	48,955	40,772	39,541	38,381
Slabs and sheet bars	6,664	17,758	13,618	18,214
Total	56,725	62,407	57,037	56,711
Plate	11,118	15,847	13,703	16,724
Sheet and strip:				
Sheet:				
Hot rolled	5,179	7,331	6,959	7,830
Cold rolled	114,806	103,577	93,966	104,913
Strip	9,309	7,676	6,911	19,484
Total	129,295	118,584	107,836	132,227
Bars and shapes	37,991	40,724	37,482	39,054
Wire rod	18,311	19,210	16,961	19,754
Wire	19,084	20,653	18,246	20,093
Pipe and tube	26,448	36,752	34,431	35,283
Alloy tool steel (all forms):				
Semifinished 2/	6,880	4,408	4,102	966
Bars	19,792	28,867	26,686	1,559
Other	13,927	10,820	9,680	42,541
Total	40,599	44,095	40,467	45,066

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, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January-November 1988	January-November 1989
	Share of product group totals (percent)			
Carbon and certain alloy 3/ steel:				
Semifinished 2/				
Ingots	4.66	3.71	3.78	1.25
Blooms and billets	19.09	20.91	20.93	23.97
Slabs and sheet bars	76.25	75.38	75.29	74.78
Total	100.00	100.00	100.00	100.00
Plate:				
Carbon	93.27	94.28	94.26	92.50
Alloy	6.73	5.72	5.74	7.50
Total	100.00	100.00	100.00	100.00
Sheet and strip:				
Hot rolled:				
Sheet	27.42	30.61	30.62	29.33
Strip	0.56	0.69	0.64	1.76
Cold rolled:				
Black plate	2.06	2.02	2.02	2.34
Electrical	0.84	0.90	0.91	1.39
Other sheet	27.84	27.99	27.85	26.94
Other strip	1.75	1.76	1.76	1.81
Galvanized	29.77	27.12	27.38	25.43
Tin plate	4.29	4.10	4.07	5.41
Tin free	1.31	1.36	1.32	1.82
Other coated	4.18	3.45	3.42	3.77
Total	100.00	100.00	100.00	100.00
Bar:				
Hot rolled:				
Carbon	34.58	35.04	34.76	41.48
Alloy	12.55	13.73	14.02	18.86
Cold rolled:				
Carbon	11.89	11.85	11.71	9.16
Alloy	3.19	3.83	3.65	3.60
Reinforcing	27.45	26.25	26.29	18.80
Light structural shapes	10.34	9.30	9.57	8.09
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, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January-November 1988	January-November 1989
	Share of product group totals (percent)			
Wire rod and related products:				
Wire rod:				
Carbon	50.90	52.83	53.21	46.70
Alloy	4.08	4.62	4.57	1.91
Wire:				
Carbon	19.16	18.96	18.98	18.97
Alloy	1.21	1.29	1.26	1.76
Wire products:				
Nails	16.73	14.21	14.18	16.67
Barbed wire	0.63	0.61	0.59	0.53
Wire fencing	0.50	0.47	0.45	2.74
Bale ties	0.07	0.07	0.07	0.04
Wire strand	3.75	3.44	3.34	7.02
Wire rope	2.49	3.02	2.88	3.66
Milliners wire	0.47	0.48	0.49	1/
Total	100.00	100.00	100.00	100.00
Structurals:				
Heavy	87.51	89.37	89.09	90.51
Fabricated	12.49	10.63	10.91	9.49
Total	100.00	100.00	100.00	100.00
Rails and related products:				
Rails	86.80	81.40	81.55	75.84
Joint bars and tie plates	5.68	2.66	2.74	4.44
Track spikes	0.15	0.06	0.07	1.88
Wheels and axles	7.37	15.88	15.65	17.84
Total	100.00	100.00	100.00	100.00
Pipes and tubes:				
Oil country tubular goods	21.63	31.76	31.75	17.69
Line pipe	19.14	15.63	15.53	21.98
Mechanical pipe	10.36	11.76	12.03	11.69
Structural pipe	15.60	8.58	8.79	13.32
Pressure tubing	0.99	1.60	1.65	1.88
Other (including standard)	32.29	30.66	30.25	33.45
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, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January-November 1988	January-November 1989
	Share of product group totals (percent)			
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots	1.95	6.21	6.80	0.21
Blooms and billets	86.30	65.33	69.33	67.68
Slabs and sheet bars	11.75	28.45	23.88	32.12
Total	100.00	100.00	100.00	100.00
Plate	100.00	100.00	100.00	100.00
Sheet and strip:				
Sheet:				
Hot rolled	4.01	6.18	6.45	5.92
Cold rolled	88.79	87.34	87.14	79.34
Strip	7.20	6.47	6.41	14.74
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	100.00	100.00
Wire	100.00	100.00	100.00	100.00
Pipe and tube	100.00	100.00	100.00	100.00
Alloy tool steel (all forms):				
Semifinished 2/	16.95	10.00	10.14	2.14
Bars	48.75	65.47	65.95	3.46
Other	34.30	24.54	23.92	94.40
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, 1987, 1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1987	1988	January-November	
			1988	1989
tlantic Coast	4,673,187	4,743,215	4,411,959	3,329,533
reat Lakes-Canadian border	6,594,724	6,342,613	5,876,157	5,326,527
ulf Coast-Mexican border	4,930,247	5,938,464	5,546,151	4,282,328
ff-shore	374,262	403,506	360,392	356,874
acific Coast	4,366,056	4,441,267	4,182,611	3,829,608
otal	20,938,475	21,869,065	20,377,269	17,124,870

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, 1987, 1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1987	1988	January-November	
			1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/	384,562	471,964	452,089	296,593
Plate	258,880	331,537	311,509	208,002
Sheet and strip	1,900,352	1,771,637	1,644,420	1,222,116
Bars and certain shapes	222,055	220,708	209,655	142,793
Wire rod	310,731	297,606	281,039	198,336
Wire	119,558	108,857	99,965	82,074
Wire products	266,335	220,011	201,693	221,219
Structural shapes and units	581,450	602,240	559,663	445,305
Rails and related products	25,273	36,885	35,335	35,285
Pipe and tube	462,405	523,784	476,679	328,670
Total	4,531,600	4,585,229	4,272,047	3,180,393
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	15,595	24,249	20,050	13,156
Plate	4,167	6,134	4,753	8,615
Sheet and strip	42,918	45,874	40,516	45,278
Bars and certain shapes	19,945	22,371	20,990	20,716
Wire rod	13,117	13,526	11,923	14,753
Wire	10,357	10,593	9,275	11,157
Pipe and tube	10,147	12,391	11,698	13,977
Tool steel (all forms)	25,340	22,848	20,706	21,488
Total	141,586	157,986	139,912	149,140
Grand Total	4,673,187	4,743,215	4,411,959	3,329,533

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, 1987, 1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1987	1988	January-November	
			1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/	498,851	414,978	391,189	389,287
Plate	663,496	723,681	662,680	508,271
Sheet and strip	2,630,195	2,396,464	2,221,408	1,985,328
Bars and certain shapes	561,285	625,771	586,395	618,098
Wire rod	565,070	545,070	498,750	442,444
Wire	251,126	253,271	237,111	216,381
Wire products	95,457	83,750	78,482	100,927
Structural shapes and units	566,003	522,423	471,414	340,069
Rails and related products	107,729	179,981	167,709	151,112
Pipe and tube	564,259	488,579	460,171	467,267
Total	6,503,470	6,233,970	5,775,309	5,219,184
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	27,149	34,966	33,794	35,408
Plate	1,971	3,246	3,187	2,449
Sheet and strip	34,156	33,923	30,357	34,211
Bars and certain shapes	4,170	4,098	3,495	3,782
Wire rod	1,047	661	591	752
Wire	4,794	6,053	5,424	5,444
Pipe and tube	6,134	7,833	7,481	6,695
Tool steel (all forms)	11,832	17,864	16,520	18,601
Total	91,254	108,644	100,848	107,342
Grand Total	6,594,724	6,342,613	5,876,157	5,326,527

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, 1987, 1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1987	1988	January-November 1988	January-November 1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/	866,421	1,061,770	1,041,915	642,144
Plate	419,658	567,614	537,327	423,807
Sheet and strip	1,515,043	1,558,244	1,435,240	1,235,793
Bars and certain shapes	131,573	137,056	122,054	150,021
Wire rod	257,709	349,946	332,456	195,049
Wire	76,094	64,524	59,845	57,421
Wire products	107,410	105,823	95,529	128,569
Structural shapes and units	473,758	493,074	448,874	306,853
Rails and related products	61,358	64,016	57,248	76,951
Pipe and tube	959,115	1,493,874	1,376,497	1,005,816
Total	4,868,139	5,895,942	5,506,984	4,222,425
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	13,974	3,131	3,131	8,138
Plate	2,714	3,233	2,765	3,570
Sheet and strip	29,042	16,038	14,928	26,625
Bars and certain shapes	5,951	6,668	5,993	6,977
Wire rod	1,117	1,220	1,044	1,615
Wire	1,350	606	526	1,071
Pipe and tube	6,665	10,896	10,076	10,426
Tool steel (all forms)	1,295	730	703	1,482
Total	62,108	42,523	39,167	59,903
Grand Total	4,930,247	5,938,464	5,546,151	4,282,328

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, 1987, 1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1987	1988	January-November 1988	January-November 1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/	0	3/	3/	0
Plate	6,693	13,906	11,613	7,688
Sheet and strip	90,238	72,445	63,819	65,649
Bars and certain shapes	164,360	157,820	144,110	169,476
Wire rod	11,940	16,953	16,678	5,174
Wire	11,147	14,739	14,161	10,750
Wire products	7,285	10,190	9,394	5,776
Structural shapes and units	22,499	21,786	21,049	27,691
Rails and related products	445	88	88	332
Pipe and tube	58,545	93,829	77,897	63,084
Total	373,151	401,758	358,811	355,621
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	0	0	0	0
Plate	0	3/	3/	1
Sheet and strip	1	0	0	151
Bars and certain shapes	0	15	15	3/
Wire rod	0	0	0	0
Wire	1,074	1,690	1,524	787
Pipe and tube	36	42	42	18
Tool steel (all forms)	0	0	0	295
Total	1,111	1,748	1,581	1,254
Grand Total	374,262	403,506	360,392	356,874

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 36.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Off-shore customs area, 1987, 1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1987	1988	January-November	
			1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/	0	3/	3/	0
Plate	6,693	13,906	11,613	7,688
Sheet and strip	90,238	72,445	63,819	65,649
Bars and certain shapes	164,360	157,820	144,110	169,476
Wire rod	11,940	16,953	16,678	5,174
Wire	11,147	14,739	14,161	10,750
Wire products	7,285	10,190	9,394	5,776
Structural shapes and units	22,499	21,786	21,049	27,691
Rails and related products	445	88	88	332
Pipe and tube	58,565	93,829	77,897	63,084
Total	373,151	401,758	358,811	355,621
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	0	0	0	0
Plate	0	3/	3/	1
Sheet and strip	1	0	0	151
Bars and certain shapes	0	15	15	3/
Wire rod	0	0	0	0
Wire	1,074	1,690	1,524	787
Pipe and tube	36	42	42	18
Tool steel (all forms)	0	0	0	295
Total	1,111	1,748	1,581	1,254
Grand Total	374,262	403,506	360,392	356,874

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, 1987, 1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1987	1988	January-November	
			1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/	482,436	833,859	802,148	734,396
Plate	206,851	220,352	209,715	193,344
Sheet and strip	1,610,768	1,386,590	1,300,657	1,352,531
Bars and certain shapes	201,894	219,758	206,315	127,175
Wire rod	303,270	265,048	254,887	196,063
Wire	78,972	78,336	73,557	75,604
Wire products	172,890	152,677	141,645	197,886
Structural shapes and units	509,959	548,943	507,168	431,732
Rails and related products	51,183	38,461	37,477	43,060
Pipe and tube	704,321	649,871	604,385	430,540
Total	4,322,545	4,393,893	4,137,956	3,782,333
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	7	61	61	10
Plate	2,266	3,233	2,997	2,088
Sheet and strip	23,178	22,749	22,035	25,962
Bars and certain shapes	7,925	7,573	6,990	7,579
Wire rod	3,030	3,803	3,402	2,634
Wire	1,508	1,711	1,497	1,634
Pipe and tube	3,465	5,590	5,133	4,167
Tool steel (all forms)	2,132	2,653	2,539	3,201
Total	43,511	47,373	44,655	47,275
Grand Total	4,366,056	4,441,267	4,182,611	3,829,608

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

COMMITTEE ON WAYS AND MEANS

U.S. HOUSE OF REPRESENTATIVES
WASHINGTON, DC 20515

November 27, 1989

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

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
Chairman

DR/jn

Appendix B

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 record [1] 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 8477.30.00 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 F.R. 47563). 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

[332-228]

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. 332-228, 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 29, 1989.

Kenneth R. Mason,

Secretary.

[FR Doc. 90-196 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 Brunsdale and Vice Chairman Cass dissenting.

Appendix C

USTR 12 December 1989 Press Release on Results of Negotiations

OFFICE OF THE UNITED STATES
TRADE REPRESENTATIVE
EXECUTIVE OFFICE OF THE PRESIDENT
WASHINGTON
20506

89-69

FOR IMMEDIATE RELEASE
December 12, 1989

Contact: Torie Clarke
Janet Roell
(202) 395-3230

AMBASSADOR HILLS ANNOUNCES RESULTS OF STEEL NEGOTIATIONS

The U.S. Trade Representative Carla A. Hills announced today the results of negotiations under the President's Steel Trade Liberalization Program announced July 25, 1989. This Program has resulted in the successful negotiation of bilateral agreements with all major steel trading countries to open their markets and eliminate the major government subsidies that distort competition. The United States has also entered into Voluntary Restraint Arrangements (VRAs) with 16 countries and the European Community, extending for a transitional period of two and one-half years an import restraint program begun in 1984. These VRAs will terminate, pursuant to the President's program, on March 31, 1992.

"The bilateral agreements restricting trade distorting practices are the cornerstone of the President's program to seek a consensus to address the causes rather than the symptoms affecting world trade in steel," Hills said. "These agreements include commitments by countries to prohibit subsidies for steel

production as well as to keep markets open for steel. They also incorporate a binding arbitration mechanism that will provide quick and effective remedies if countries violate those commitments."

Bilateral agreements (called "Bilateral Consensus Agreements") have been concluded with the European Community, Japan, South Korea, Brazil, Mexico, Australia, and Trinidad and Tobago. These countries account for more than 90 percent of steel imports from countries included in the VRA Program. Negotiations are continuing on bilateral consensus agreements with several additional countries, including: Austria, Finland, and Yugoslavia.

The bilateral consensus agreements include prohibitions against a broad range of government supports for the steel industry, including export and domestic subsidies. In addition, countries have committed to open their markets through the elimination of non-tariff measures, including the phase-out of all quota programs, and, in some cases, further tariff reductions. Moreover, they have agreed to work in the on-going Uruguay Round of Multilateral Trade Negotiations toward the establishment of agreed rules of fair play prohibiting steel subsidies, as well as further reduction and elimination of tariffs.

"The United States now will work aggressively to incorporate into the Uruguay Round the strong rules and prohibitions contained in the bilateral consensus agreements," Hills said. "With the cooperation that our trading partners have already shown, we believe that these agreements will be the building blocks for progress in the Round on eliminating trade distorting subsidies and opening markets. Accordingly, these agreements enhance the prospects for completing these aspects of the Uruguay Round on schedule by December 1990."

In addition, Ambassador Hills announced that negotiations are completed with the European Community and the other 16 countries that have Voluntary Restraint Arrangements. Negotiations for VRAs have been completed with Australia, Austria, Brazil, Czechoslovakia, East Germany, the European Community, Finland, Hungary, Japan, South Korea, Mexico, the Peoples Republic of China, Poland, Romania, Trinidad and Tobago, Venezuela, and Yugoslavia.

"In renegotiating voluntary restraint arrangements, we and other countries have recognized the need to provide a transition to a free market for both foreign and domestic producers, while we implement an international consensus to eliminate trade distorting practices. Furthermore, the renewed VRAs have been successful in balancing both the needs of steel producers and

consumers for adequate supplies of steel mill products," Ambassador Hills said.

President Bush announced his program on July 25, 1989. At that time, he directed the U.S. Trade Representative to negotiate VRAs at an overall restraint level of 18.4 percent. 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 enter into bilateral consensus agreements.

As a result of the negotiations, the restraint levels for steel mill products will increase to a 19.10 percent share of domestic consumption in the first year of the new VRA program. This includes the incentives awarded to countries that reached bilateral consensus agreements. Additional increases in restraint levels have been authorized for subsequent years for countries that have entered into such bilateral agreements. Furthermore, renegotiation of VRAs resulted in some redistribution of restraint levels among countries to ensure that those ceilings are better utilized. In addition, the renegotiated VRAs will permit greater quantities of semifinished steel and specialty steel to be imported. The short supply

mechanism also has been improved to provide determinations within 30 days, and in some cases 15 days, of the filing of short supply petitions.

The extension of VRAs for two and one-half years should provide U.S. steel producers sufficient time for the industry to complete their modernization. In renegotiating the VRAs, USTR paid particular attention to sensitive sectors, such as oil country tubular goods, where market conditions have deteriorated.

The "Steel Trade Liberalization Program Implementation Act," H.R. 3275, passed the full House of Representatives October 3, 1989 and similar legislation was passed by the Senate on November 22, 1989. The President will sign the legislation into law this week.

"I greatly appreciate the bipartisan support that the Senate and the House of Representatives have shown for the Program," Hills stated. "This law demonstrates the commitment of both the Administration and Congress to end trade distorting practices in steel and to return to a free, open and truly competitive global market for steel."

STEEL TRADE LIBERALIZATION PROGRAM

Fact Sheet

United States Trade Representative Carla A. Hills announced today the results of negotiations over the past few months under the President's Steel Trade Liberalization Program, established on July 25, 1989. Negotiations have been successful in achieving:

- Bilateral consensus agreements with the major market-oriented countries to remove trade distorting practices; and,
- An extension of Voluntary Restraint Arrangements (VRAs) with all countries with previous VRAs, except South Africa.

Bilateral Consensus Agreements

Bilateral consensus agreements were concluded with most of the major steel trading countries -- the European Economic Community, Japan, South Korea, Brazil, and Mexico -- as well as with Australia, and Trinidad and Tobago. The bilateral agreements concluded thus far account for over 90 percent of the steel imports from VRA countries. Negotiations also are continuing with other market oriented countries on bilateral consensus agreements.

Bilateral consensus agreements are the first step in the President's program to negotiate an international consensus to eliminate trade distorting practices in the steel sector. With the conclusion of these bilateral consensus agreements, the United States will focus its efforts on incorporating the obligations and disciplines in the GATT through the Uruguay Round of Multilateral Trade Negotiations. Those negotiations are scheduled to be completed by December 1990.

Although each bilateral agreement varies, they incorporate the following general obligations and disciplines:

- A prohibition against future subsidies and other forms of government supports specifically provided to the steel industry.
- A prohibition against the establishment or re-instatement of any non-tariff measure.
- Commitments to eliminate subsidies and to reduce and eliminate tariffs within the Uruguay Round.

- A dispute settlement provision involving binding arbitration when a violation of the agreement occurs. Remedies include increases or decreases in restraint levels and additional duties.

Details of individual agreements will be available once negotiations are concluded with remaining countries.

Renegotiation of Voluntary Restraint Arrangements (VRAs)

Negotiations on the extension of VRAs have been completed with Australia, Austria, Brazil, Czechoslovakia, East Germany, the European Community, Finland, Hungary, Japan, South Korea, Mexico, the Peoples Republic of China, Poland, Romania, Trinidad and Tobago, Venezuela, and Yugoslavia. All Voluntary Restraint Arrangements terminate on March 31, 1992.

The President established an overall restraint level ceiling for VRA countries of 18.4 percent import penetration plus an additional one percent bonus as an incentive for the bilateral consensus agreements. The overall negotiated restraint level for all VRA countries is 19.1 percent for the first year and 20.1 percent for 1991, which includes allocation of some of the incentive to those countries that entered into bilateral consensus agreements. The remainder of the incentive will be available for other countries that negotiate bilateral consensus agreements and for supporting U.S. efforts on steel in the Uruguay Round. Individual restraint levels are listed in the attached table. Additional data will be available once final agreements with all countries have been formally executed.

In renegotiating voluntary restraint arrangements, the concerns of steel consumers were taken into account. In addition to increases in restraint levels resulting from countries accepting bilateral consensus agreements, the negotiations reallocated restraint levels from non-users to users. For example, Japan's overall restraint level declined, reflecting low shipments in recent years, and that of the EC remained roughly the same. Conversely, restraint levels were increased for Mexico and South Korea which more fully utilized their restraint levels. Furthermore, overall restraint levels were increased for certain products of concern to steel consumers, such as semi-finished steel and specialty steel.

The needs of producers were also taken into account. The VRAs will provide two and one-half years for the U.S. domestic steel industry to continue its modernization program. In addition, overall restraint levels for oil country tubular goods were decreased in recognition of the adverse market conditions for that product.

Appendix D

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). (See appendix B).

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 (Appendix C).

9. Semifinished products include:

Continous 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 shared 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).

(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 ingots; provided for in item 7218.10.0000 of the HTS.

(E) 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.

(F) 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, 7225.40.5030, 7225.30.7000, 7225.40.7000, 7225.91.1030 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, 7226.91.3030, 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 metalic 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 irregularlly 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, 7721.00.0040 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 cm^3 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, 7314.42.0000, 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, not covered with nonmetallic material, as provided for in items 7312.10.1030, 7312.10.1050, 7312.10.1060, 7312.10.1070, 7312.10.3005, 7312.10.3015, 7312.10.3020, 7312.10.3065, 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 7304.101020, 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, 7226.91.1060, 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. With the introduction of the Harmonized Tariff Schedule in 1989, it became industry pratice to consider bearing steel (defined as tool steel of the type described in headnote 1(h) of Chapter 72 of the HTS) as part of alloy tool steel. To maintain consistency with previous reports, however, bearing steel products have been kept in their original position (under either flat-rolled or bar and rod products).

Appendix E

December VRA Signatories' Ceilings Tables Based on Apparent Consumption Forecasts of DRI (as available)

DEC 28 1989

EUROPEAN COMMUNITIES
DECEMBER 1989 FORECAST OF INITIAL PERIOD U.S. APPARENT CONSUMPTION OF
ARRANGEMENT PRODUCTS SUBJECT TO EXPORT LICENSING
REFLECTS INITIAL PERIOD OF FIFTEEN MONTHS*
(METRIC TONS)

CATEGORIES	APPARENT CONSUMPTION FORECAST FOR INITIAL PERIOD (1,000s)**	ARRANGEMENT I.P.	UNADJUSTED INITIAL PERIOD CEILING	FLEXIBILITY ADJUSTMENTS	ACTUAL TO FORECASTED APPARENT CONSUMPTION ADJUSTMENT	ADJUSTED INITIAL PERIOD EXPORT CEILING
SEMI-FINISHED PRODUCTS	106,405	0.76%	808,674	+++	+++	808,674
SLAB	NA	***	743,980	+++	NA	743,980
PLATE	6,218	7.13%	443,361	+++	+++	443,361
HOT ROLLED SHEET AND STRIP	18,014	7.29%	1,313,221	+++	+++	1,313,221
COLD ROLLED SHEET	14,999	5.94%	890,941	+++	+++	890,941
BLACK PLATE	458	12.84%	58,839	+++	+++	58,839
COLD ROLLED STRIP	708	5.34%	37,821	+++	+++	37,821
ELECTRICAL SHEET AND STRIP	571	4.98%	28,423	+++	+++	28,423
STAINLESS PLATE	143	5.89%	8,408	+++	+++	8,408
STAINLESS SHEET AND STRIP	1,243	5.94%	73,805	+++	+++	73,805
TIN PLATE	3,282	2.96%	97,155	+++	+++	97,155
TIN FREE STEEL	1,054	4.22%	44,458	+++	+++	44,458
OTHER COATED FLAT ROLLED PRODUCTS	14,673	4.51%	661,741	+++	+++	661,741
ELECTROGALVANIZED	NA	***	165,435	+++	NA	165,435
REBAR	5,843	0.09%	5,258	+++	+++	5,258
HOT FINISHED BAR	7,378	3.09%	227,988	+++	+++	227,988
COLD FINISHED BAR	1,601	6.63%	106,146	+++	+++	106,146
STAINLESS BAR	164	7.40%	12,099	+++	+++	12,099
CARBON WIRE ROD	5,675	5.70%	323,489	+++	+++	323,489
STAINLESS WIRE ROD	74	13.16%	9,706	+++	+++	9,706
ALLOY WIRE ROD	205	19.68%	40,393	+++	+++	40,393
BAR SHAPES UNDER 80mm	1,459	2.48%	36,177	+++	+++	36,177
STRUCTURALS	7,044	14.15%	996,720	+++	+++	996,720
SHEET PILING	412	23.70%	97,536	+++	+++	97,536
FABRICATED STRUCTURALS	NA	****	20,683	+++	NA	20,683
STAINLESS WIRE	49	15.34%	7,517	+++	+++	7,517
WIRE STRAND	NA	****	62,250	+++	NA	62,250
WIRE ROPE	NA	****	12,250	+++	NA	12,250
CARBON/ALLOY WIRE	NA	****	228,250	+++	NA	228,250
WIRE PRODUCTS	NA	****	31,875	+++	NA	31,875
RAILS	705	9.26%	65,237	+++	+++	65,237
RAIL PRODUCTS	NA	****	4,875	+++	NA	4,875
TOTAL PIPE AND TUBE	7,445	8.82%	656,627	+++	+++	656,627
OCTG	1,570	9.00%	141,255	+++	+++	141,255
ALLOY TOOL STEEL	94	11.02%	10,359	+++	+++	10,359
OTHER SPECIALTY STEEL	NA	****	15,125	+++	NA	15,125

* Initial Period Apparent Consumption is defined as follows:
((.25 * Forecasted 1989 Apparent Consumption) + (Forecasted 1990 Apparent Consumption))

** 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.

+++ Not yet available

DEC 28 1989

M E X I C O
DECEMBER 1989 FORECAST OF INITIAL PERIOD U.S. APPARENT CONSUMPTION OF
ARRANGEMENT PRODUCTS SUBJECT TO EXPORT LICENSING
REFLECTS INITIAL PERIOD OF FIFTEEN MONTHS*
(METRIC TONS)

CATEGORIES	APPARENT CONSUMPTION FORECAST FOR INITIAL PERIOD (1,000s)**#	ARRANGEMENT I.P.	UNADJUSTED INITIAL PERIOD CEILING	FLEXIBILITY ADJUSTMENTS	ACTUAL TO FORECASTED APPARENT CONSUMPTION ADJUSTMENT	ADJUSTED INITIAL PERIOD EXPORT CEILING
SEMI-FINISHED STEEL	106,405	0.24%	255,371	+++	+++	255,371
C/A FLAT ROLLED	40,969	0.28%	114,712	+++	+++	114,712
C/A HR SHEET AND STRIP	18,014	0.23%	41,432	+++	+++	41,432
C/A CR SHEET AND STRIP	16,166	0.19%	30,714	+++	+++	30,714
PLATE	6,218	0.70%	43,528	+++	+++	43,528
STAINLESS FLAT ROLLED	1,385	0.88%	12,190	+++	+++	12,190
COATED FLAT ROLLED	19,009	0.67%	127,357	+++	+++	127,357
BAR AND ROD	20,940	0.99%	207,304	+++	+++	207,304
CARBON CF BAR	1,305	0.53%	6,917	+++	+++	6,917
CARBON WIRE ROD	5,675	2.17%	123,153	+++	+++	123,153
STAINLESS BAR AND ROD	237	0.03%	71	+++	+++	71
ANGLES, SHAPES, SECTIONS/RAIL AND RAIL PRODUCTS	9,903	0.72%	71,302	+++	+++	71,302
WIRE AND WIRE PRODUCTS	2,057	3.00%	61,695	+++	+++	61,695
WIRE ROPE	221	2.54%	5,601	+++	+++	5,601
WIRE STRAND	NA	***	2,000	+++	NA	2,000
PANELS AND MESH	2,008	0.86%	17,265	+++	+++	17,265
OTHER WIRE AND WIRE PRODUCTS AND FENCE	2,008	1.82%	36,537	+++	+++	36,537
PIPE AND TUBE	7,445	2.55%	189,841	+++	+++	189,841
OCTG	1,570	2.00%	31,390	+++	+++	31,390
LINE PIPE	1,899	3.64%	69,133	+++	+++	69,133
STANDARD PIPE	2,080	4.21%	87,579	+++	+++	87,579
TOOL STEEL	94	0.31%	291	+++	+++	291

* Initial Period Apparent Consumption is defined as follows:
((.25 * Forecasted 1989 Apparent Consumption) + (Forecasted 1990 Apparent Consumption))

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

*** Export ceiling is fixed tonnage.

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

+++ Not yet available

NA Not Applicable

JAN 10 1990

INITIAL PERIOD EXPORT CEILINGS OF SELECTED COUNTRIES
QUANTITIES IN METRIC TONS

P O L A N D

PRODUCT CATEGORY	TONS
PLATE	37,500
STAINLESS BAR	0
STAINLESS ROD	0
WIRE ROD	12,500
STRUCTURALS	37,500
WIRE AND WIRE PRODUCTS	31,250
OCTG	0
OTHER PIPE & TUBE	12,500
ALL OTHER STEEL PRODUCTS	12,060
ALLOY TOOL STEEL	440
TOTAL	143,750

EAST GERMANY

PRODUCT CATEGORY	TONS
FLAT ROLLED PRODUCTS	67,500
STAINLESS BAR	0
STAINLESS ROD	0
WIRE ROD	25,000
OCTG	0
OTHER PIPE & TUBE	7,500
ALL OTHER STEEL PRODUCTS	12,500
ALLOY TOOL STEEL	0
TOTAL	112,500

HUNGARY

PRODUCT CATEGORY	TONS
FLAT ROLLED PRODUCTS	41,250
STAINLESS BAR	250
STAINLESS ROD	250
OCTG	0
ALL OTHER STEEL PRODUCTS	8,125
ALLOY TOOL STEEL	125
TOTAL	50,000

JAN -2 1991

A U S T R I A
DECEMBER 1989 FORECAST OF INITIAL PERIOD U.S. APPARENT CONSUMPTION OF
ARRANGEMENT PRODUCTS SUBJECT TO EXPORT LICENSING
REFLECTS INITIAL PERIOD OF FIFTEEN MONTHS
(METRIC TONS)

CATEGORIES	APPARENT CONSUMPTION FORECAST FOR INITIAL PERIOD (1,000s)	ARRANGEMENT I.P.	UNADJUSTED INITIAL PERIOD CEILING**	FLEXIBILITY ADJUSTMENTS	ACTUAL TO FORECASTED APPARENT CONSUMPTION ADJUSTMENT	ADJUSTED INITIAL PERIOD EXPORT CEILING
FLAT ROLLED PRODUCTS	61,362	0.30%	184,087	+++	+++	184,087
STAINLESS BAR	NA	***	312	+++	+++	312
STAINLESS ROD	NA	***	312	+++	+++	312
CCTG	1,570	1.40%	21,973	+++	+++	21,973
OTHER PIPE AND TUBE	5,875	0.30%	17,626	+++	+++	17,626
OTHER STEEL PRODUCTS	37,266	0.11%	40,993	+++	+++	40,993
ALLOY TOOL STEEL	94	4.00%	3,760	+++	+++	3,760

* Initial Period Apparent Consumption is defined as follows:
((.25 * Forecasted 1989 Apparent Consumption) + (Forecasted 1990 Apparent Consumption))

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

*** Export ceilings are fixed tonnages.

+++ Not yet available