

# MONTHLY REPORT ON THE STATUS OF THE STEEL INDUSTRY

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



USITC PUBLICATION 2283

MAY 1990

United States International Trade Commission  
Washington, DC 20436

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## Monthly Review: Soviet Union

The Soviet steel industry is the largest in the world. Its 163 million metric tons of raw steel production in 1988 was one-and-one-half times that of Japan (the second largest producer), and nearly twice that of the United States. Modernizing the Soviet steel industry, particularly improving the efficiencies of production and the quality and mix of products, is an important component of the country's industrial modernization effort.

### Structure of the Industry

The Soviet steel industry is centrally managed and directed through a hierarchical system of ministries and state committees. As part of a complex of reform measures, the ministries controlling the production and distribution of ferrous and non-ferrous metals were combined into a superministry, called the USSR Ministry of Metallurgy during 1989.<sup>1</sup> The metallurgical sector, overseen by the ministry, includes 22 independent subsectors (including mining, metallurgical, coke and chemical, alloys, non-ferrous minerals and metals, and others), of which the iron and steel industry is one.<sup>2</sup> There are about 3 million persons employed at about 2,000 enterprises in the sector, of which there are about 1.4 million employed in the ferrous metals subsector. The ministry's responsibilities are wide-ranging: they include the responsibility for overseeing the production and allocation of raw material inputs and metals, responsibility for internal and foreign trade functions, research and development, and the transportation of goods within the sector.

The intentions of the administrative reform are: to streamline the bureaucracy's middle echelons and to reduce ministerial control; to raise the sector's efficiency by improving the inter-enterprise communications and cooperation; to improve the innovation process and to shorten the development-to-delivery cycle.<sup>3</sup> The ministry has accepted the quality control system that was introduced in other Soviet industries starting in 1987, known as "gospriyomka" (product review for compliance with technical standards).

Although a significant degree of centralized control remains, the industry has been liberalized in certain key areas. For example, under The Law on the State Enterprise, the concept of self-financing was introduced in January 1988. Enterprises have some rights to self-finance production, establish production plans, choose trade partners, set prices, and retain a greater percentage of profits. About one-third of the metallurgical sector operates on a self-financing basis (this includes non-producing organizations and research stations and both the ferrous and non-ferrous industries).<sup>4</sup>

The reforms that have been instituted do not envision the entry of new firms into steelmaking, nor have there been any joint ventures with Western equity

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<sup>1</sup> S.V.Kolpakov, "The Sector's New Management Structure," *Stal'*, in Soviet Union: Economic Affairs, JPRS Report, JPRS-UEA-90-008-L, p. 1.

<sup>2</sup> Ibid. See also, *Promishlennost' SSSR Statisticheski Sbornik*. Moskva: Finansi i statistika, 1988. p. 13.

<sup>3</sup> Andrew J. Matosich and Bonnie K. Matosich, "Machine Building: Perestroyka's Sputtering Engine," *Soviet Economy*, No. 4, 1988, pp. 160-61. See also, "Industrial Modernization," in Gorbachev's Economic Plans. Study Papers Submitted to the Joint Economic Committee Congress of the United States, November 23, 1987.

U.S.: GPO, 1987, Vol. 1, pp. 231-320.

<sup>4</sup> *Promishlennost'*, p. 22.

participation.

The administrative and other reforms have apparently not addressed major problems of Soviet industry. There remains an emphasis on quantitative plan fulfillment as the steel industry has not been exempted from the schedules of state orders which account for over 90 percent of the industry's capacity. Prices for steel products are established centrally (although any production exceeding the level of state orders may be sold at market prices). The central allocation of shipments engenders a lack of competition. There still exist problems of cross-ministry coordination (the consuming industries are regulated by a different and competing ministry). Evidence from the downstream consuming industries suggests that the reforms have not achieved improved quality or the introduction of new products, such as those that would increase the efficiency of steel use (by decreasing metal intensity) in the metalworking and machine-building sector, or construction industries. There is evidence that suggests the quality controls are ineffective and ill-enforced.<sup>5</sup>

There has been a tendency in the Soviet Union to develop relatively large scale steelmaking operations that produce a full range of steel products. Of the 65 enterprises (or plants) that produce raw steel,<sup>6</sup> most enterprises each produced over 3 million tons of steel per year; there were nine enterprises that produced over 5 million tons, and two additional ones that each produced more than 12 million tons.<sup>7</sup> In addition, ten Soviet machine-building plants melt and pour steel and about 70 percent of the enterprises in the metalworking and machine building sector have their own casting shops,<sup>8</sup> which accounts for a significant percentage of the total production of cast iron and forgings.

The industry is geographically concentrated in the European part of the country, which accounted for approximately 83 percent of total Soviet steel production in 1988. The balance was produced at facilities in Azerbaijan (0.4 percent), Georgia (0.9 percent), Kazakhstan (4 percent), Uzbekistan (0.6 percent), and Siberia (11 percent).<sup>9</sup> The geographic concentration of steel production roughly mirrors the distribution of the principal steel-consuming industries of the USSR, with the exception of pipe and tube consumption (which is strongest in Siberia). The industry is becoming more distant, however, from sources of inputs as the production of iron ore, coal, and fuels moves.

The steelmaking technologies used in the Soviet Union lag behind those employed in Western countries. The use of advanced (continuous) casting

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<sup>5</sup> Matosich & Matosich, p. 160.

<sup>6</sup> Boris Z. Rumer. Soviet Steel: The Challenge of Industrial Modernization in the USSR. Ithaca, NY: Cornell University Press, pp. 51-76. See also, Peter F. Marcus and Karlis M. Kirsis, "Soviet Steel: A New Dawn," Core Report FF of World Steel Dynamics, February 1989, which puts the figure at 51 iron and steel works; this latter figure may exclude the specialty steel sector which has traditionally been a separate subsector, or the 10 metal-working and machine-building enterprises that produce raw steel.

<sup>7</sup> Rumer, p. 215.

<sup>8</sup> Iron and steel castings constituted almost half of the metal used to produce machinery in the USSR (roughly 2-2.5 times more than in other industrialized countries). See, Boris Rumer and Yury Vatkin, "Metal-Saving as a Fundamental Precondition of Industrial Modernization," in Gorbachev's Economic Plans (Washington, D.C.: USGPO, 1987), Vol. 1, p. 295.

<sup>9</sup> Matthew J. Sagers, "Iron and Steel," Soviet Geography, May 1989, p. 403.

technology, for example, while growing from 4 to 16 percent of steel production during 1970-87, still remains low in relation to most Western countries.<sup>10</sup> Moreover, use of the largely obsolete open hearth steelmaking technique, while declining from 73 percent of steel production in 1970 to 53 percent in 1988, is substantially higher than in Western countries (where the process has been almost completely phased out). As the open hearths are phased out, the shares of steel produced in basic oxygen furnace and electric furnaces have risen (from 13 and 9 percent in 1970, respectively, to 34 and 17 percent in 1988).<sup>11</sup> Despite the improvements that have been made, the yield of finished steel products from raw steel has changed little during 1970-87, averaging about 70 percent, compared to 80-90 percent in Western countries.<sup>12</sup>

### Production and Trade

Irregular deliveries of raw materials (coal and coke), the unwillingness of industrial enterprises to accept higher levels of "state orders" (which replaced production quotas under economic perestroika), and labor disturbances were cited as sources underlying a 2 percent decline in production from 1988 to 1989.<sup>13</sup> As a result of the production problems, forty percent of the enterprises failed to meet production or delivery targets for rolled products, pipe, heat treated steels, or low alloy steels.<sup>14</sup>

USSR production for selected products is provided in the following tabulation:

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<sup>10</sup> Promishlennost', p. 26. See also, Cheryl A. Harris, "Modernization of the Soviet Steel Industry: What Lies Ahead?" in Gorbachev's Economic Plans (Washington, D.C.: USGPO, 1987), Vol. 1, p. 305.

<sup>11</sup> Matthew J. Sagers, "Iron and Steel," Soviet Geography, May 1989, p. 399. See, Harris, p. 312: The 1986-90 plan calls for the replacement of 30 Mmt of open hearth steelmaking capacity with BOF or EAF production capacity.

<sup>12</sup> Promishlennost', p. 26.

<sup>13</sup> "Industrial Output Rises 'Only by 1.7 Percent'," Moscow TASS, 29 Jan. 1990, quoted in Soviet Union Daily Report, FBIS-SOV-90-018, 30 January 1990, p. 114. According to Goskomstat (State Committee for Statistics), in all sectors of the national economy labor discipline deteriorated, and absenteeism, work stoppages, and cadre turnover increased in 1989 (see, Soviet Union Daily Report, FBIS-SOV-90-019, pp. 101-118).

<sup>14</sup> "Goskomstat Reports 1989 Economic Data," Soviet Union Daily Report, FBIS-SOV-90-019, 29 January 1990, p. 112. See also, "Belov Reports on Economic Development in 1989," Moscow TASS International Service, FBIS-SOV-90-018, 26 January 1990, p. 100.

Product	1975	1980	1985	1986	1987	1988
Million metric tons						
Pig iron	103.0	107.3	110.0	113.8	113.9	115
Raw steel	141.3	147.9	154.7	160.5	161.9	163
Rolled products	98.7	102.9	108.3	112.0	114.1	116
Sheet	39.3	42.7	44.7	46.6	46.7	(1)
Low-alloy sheet	12.6	12.9	15.4	17.6	7.9	(1)
Heat-treated sheet	5.3	6.7	8.9	10.8	10.9	(1)
Strip	8.3	9.3	9.8	10.0	10.3	(1)
Tin plate	1.3	1.4	2.1	2.2	2.2	(1)
Shapes and profiles	1.1	1.7	2.3	2.4	2.1	(1)
Pipe and tube	16.0	18.2	19.4	19.8	20.3	20.8
Wire rod	8.3	8.1	8.4	8.7	8.8	(1)
Wire	1.0	1.1	1.2	1.2	1.2	(1)

(1) Not available.

Source: Promishlennost' SSSR Statisticheskii Sbornik, 1988. Also, "Industrial Output Rises 'Only by 1.7 Percent'," Moscow TASS, 29 Jan. 1990, quoted in Soviet Union Daily Report, FBIS-SOV-90-018, 30 January 1990.

Soviet imports of steel products from all sources have averaged about 10.4 million metric tons during 1985-88.<sup>15</sup> About 70 percent of imports from Western countries are sourced from the EC and Japan, and comprise pipe and tube, plate, and sheet.<sup>16</sup> The composition of imports reflects the expansion of oil and gas field development and transport in the 1980s and the inability of the domestic industry to produce the kinds of quality or diameters of pipe and tube needed.<sup>17</sup> The Soviets have also imported cold-rolled sheet and thin plate, which are consumed by pipe producers as well as producers of consumer durables (including automobiles). Imports from the United States, although relatively small, mirror the composition of imports from other sources.<sup>18</sup>

Soviet exports of steel products averaged about 9.2 million metric tons during 1985-88.<sup>19</sup> Semifinished goods (ingot and blooms) and hot-rolled coils comprise the bulk of exports.<sup>20</sup> Soviet exports to the United States are insignificant, and totaled about 39,000 metric tons during 1988 and 1989.

<sup>15</sup> International Iron and Steel Institute, Steel Statistical Yearbook 1989, Brussels, 1989, p. 32.

<sup>16</sup> Iron and Steel Statistics Bureau, World Trade Steel, United Kingdom, 1990, p. 8.

<sup>17</sup> Rumer and Vatkin, p. 300.

<sup>18</sup> Official statistics of the U.S. Department of Commerce as compiled by the American Iron and Steel Institute, 1989-89.

<sup>19</sup> IISI, Yearbook 1989, p. 30. Based on data compiled by the Organization of Economic Cooperation and Development on member-country trade with the Soviet Union.

<sup>20</sup> Based on data compiled by the Organization of Economic Cooperation and Development on member country trade with the Soviet Union.

## Modernization and Investment

Investment in ferrous metallurgy in the Soviet Union has lagged behind that in other sectors during the past twenty years, and has declined.<sup>21</sup> This has been due, in part, to decisions made to develop increasingly costly raw materials reserves in Siberia; the investment has tended to divert capital from manufacturing, thereby slowing economic growth.<sup>22</sup> The modernization that has occurred has been unbalanced in certain respects, as increases in melting capacity were made without commensurate increases or changes in treatment, rolling, or finishing facilities at individual mills.<sup>23</sup>

The recently completed five year plan (for 1986-90) was declared to be the plan of efficiency, as in the past there had been plans of quality or productivity.<sup>24</sup> Like the plan for 1981-85, the state budget did not include funds for building "new" steel mills.<sup>25</sup> In a shift of investment priorities (from prior decades, when expansion was the primary focus), 50 percent of investment in ferrous metals during 1986-90 was to be used to "renew" existing plants,<sup>26</sup> 30 percent was to go toward improving product variety and quality, and only 20 percent was to finance capacity expansion,<sup>27</sup> which includes the commissioning of construction projects begun in the 1970s.<sup>28</sup> The rate of commissioning new lines has been slow in the past, and there was little or no improvement in 1989 according to the State Committee for Statistics (Goskomstat).<sup>29</sup>

During the 1986-90 period, Soviet investment has focused on the modernization of existing plants (primarily the replacement of obsolete open hearth furnaces);<sup>30</sup> the mechanization and automation of production and auxiliary processes, which are designed to improve the yield of finished products;<sup>31</sup> and

<sup>21</sup> Rumer, pp. 205-221.

<sup>22</sup> Rumer, pp. 121-172.

<sup>23</sup> Rumer, pp. 121-172.

<sup>24</sup> F.I. Kushnirsky, "The Role of Industrial Modernization in Soviet Economic Planning," in Gorbachev's Economic Plans (Washington, D.C.: USGPO, 1987), p. 259.

<sup>25</sup> Robert E. Leggett, "Soviet Investment Policy: The Key to Gorbachev's Program for Revitalizing the Soviet Economy," in Gorbachev's Economic Plans (Washington, D.C.: USGPO, 1987), p. 238-39.

<sup>26</sup> Rumer, pp. 181, 210-11. Renewal or reconstruction includes replacement of equipment and facilities, renovation of existing equipment, and construction of completely new facilities to correct disproportions in capacities of various stages of the steelmaking process. As a practical matter, it is difficult to distinguish modernization from new construction that is spatially linked to existing enterprises and undertaken as "reconstruction" or "expansion."

<sup>27</sup> Harris, p. 311.

<sup>28</sup> Rumer, p. 210. One of the problems that has impeded the pace of modernization of existing mills is that output targets were not adjusted during the reconstruction period despite slowdowns and stoppages because of equipment replacement or construction. Enterprise managers continued production during modernization in order to meet production quotas. The process has been referred to as "crawling reconstruction" and leads to long lead times for commissioning. See also, Leggett, p. 247. Some 25 percent of the construction projects currently under way in the USSR were begun 10-20 years ago.

<sup>29</sup> "Goskomstat Reports 1989 Economic Data," Soviet Union: National Affairs, FBIS-SOV-90-019, 29 January 1990, p. 116. Half of the 24-state-ordered projects scheduled for operation during 1989 were not commissioned; these included continuous casting, BOF and EAF facilities, as well as pipe, and flat-rolled steel production lines.

<sup>30</sup> Secretariat of the Economic Commission for Europe, Economic Survey of Europe in 1988-89. Geneva: UNECE, 1989, p. 144. See also, Leggett, p. 236.

<sup>31</sup> ECE Survey 1988-89, p. 144.

the improvement of the quality and mix of products, particularly flat-rolled products.<sup>32</sup>

Additional measures are focusing on the modernization of rolling mills and pipe-producing facilities. The modernization includes the removal of outdated equipment, the renovation of some existing units, and the construction of new facilities (reportedly in Siberia so as to achieve a better geographical mix of pipe and tube production). Seventy rolling mills were to be reconstructed and 38 were to be decommissioned during 1986-90; improvement of rolling mills was to be a key to provide some 500 new types of steel products called for (100 new products per year).<sup>33</sup> Some modernization of production capacity was planned for during 1986-90 with the assistance of foreign firms, which provided rolling equipment and process controls, purchased outright or financed by countertrade.<sup>34</sup>

Efforts to restructure are apt to be constrained by the size of the expenditures required in ruble or hard currency terms. Large expenditures will be required for the construction of new plant facilities to house replacement steelmaking equipment and rolling mills. How the modernization will be achieved is problematic. Western-supplied turnkey projects, for example, are and probably will continue to be constrained by hard currency considerations. Although the overall modernization focus appears to be appropriate, the program cost may exceed the available investment resources.<sup>35</sup> Moreover there has been no fundamental change in the way in which the industry is administered, or in the system of incentives that could promote improvement in production and efficiency.

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252-1442

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<sup>32</sup> Rumer, pp. 205-221. The material intensity of output has reportedly declined, which implies production efficiencies and more efficient use of resources (including energy, raw materials, and labor inputs) between 1987 and 1988. See also, ECE Survey in 1987-88, pp. 139 and 144. Data contained in Promishlennost' confirm the reduction in consumption of energy, iron ore, and coke between 1980 and 1987.

<sup>33</sup> Harris, p. 313.

<sup>34</sup> Harris, p. 313. Further imports are dependent upon hard currency considerations, although Western firms may arrange counter-trade deals as a means of financing the machinery exports. For an example see, "USSR plans new galv line at Magnitogorsk," Metal Bulletin, 22 Jan. 1990, p. 21.

<sup>35</sup> Harris, p. 314.



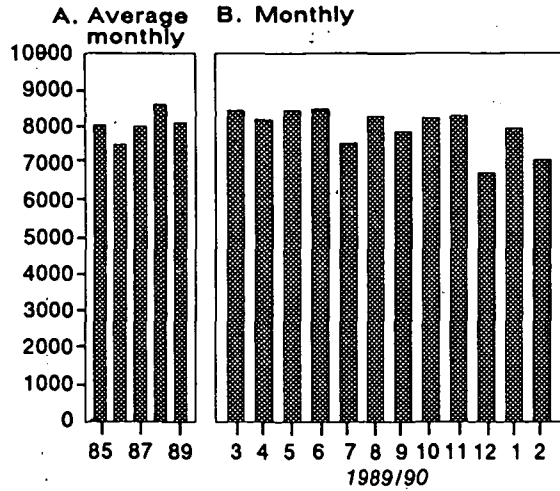
Monthly Review:  
Selected Industry and Trade Topics

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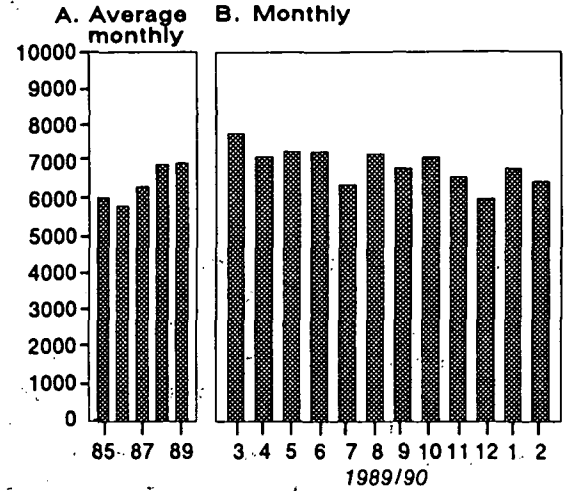
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# U.S. STEEL INDUSTRY HIGHLIGHTS

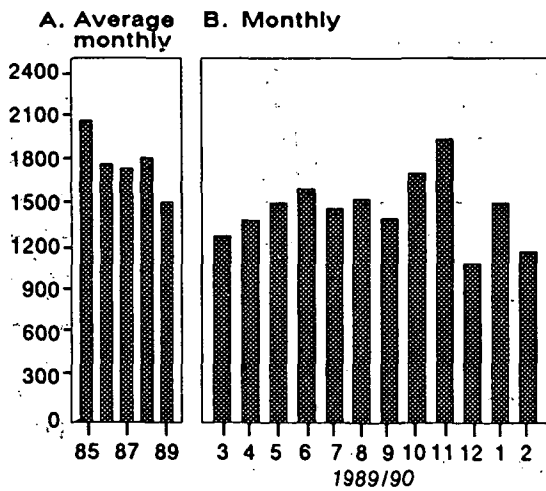
**Figure 1**  
U.S. apparent steel consumption  
1,000 short tons



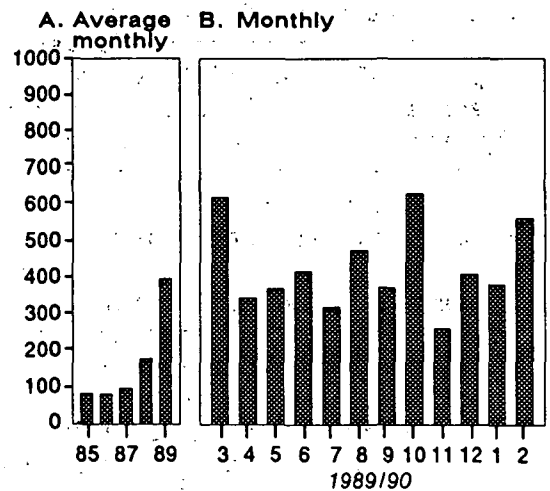
**Figure 2**  
U.S. steel shipments  
1,000 short tons



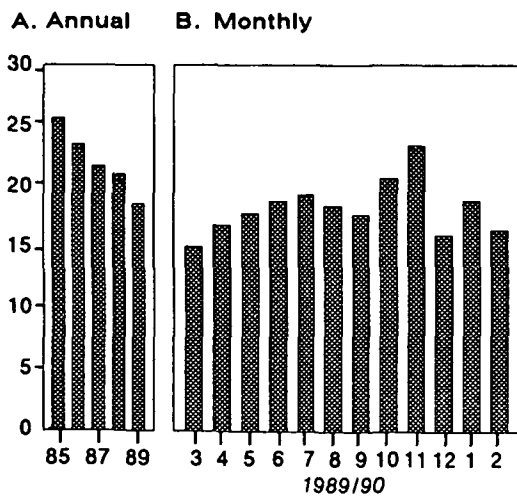
**Figure 3**  
U.S. steel imports  
1,000 short tons



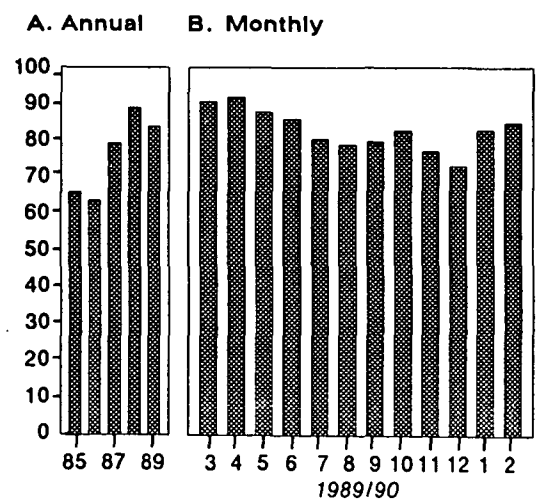
**Figure 4**  
U.S. steel exports  
1,000 short tons



**Figure 5**  
U.S. steel import penetration <sup>1</sup>  
Percent



**Figure 6**  
U.S. raw steel capacity utilization  
Percent



<sup>1</sup> Import penetration is defined as the percent of apparent consumption represented by imports.

## Preface

On December 29, 1989, at the request of the Committee on Ways and Means, U.S. House of Representatives,<sup>1</sup> 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.<sup>2</sup> 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).<sup>3</sup> 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

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<sup>1</sup>See appendix A for a copy of the request.

<sup>2</sup>See appendix B for the notice of continuation.

<sup>3</sup>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.<sup>4</sup>

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.<sup>5</sup> 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.<sup>6</sup> 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.

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<sup>4</sup>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.

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

<sup>6</sup>Countries or regions with which the U.S. has negotiated bilateral agreements are the EC, Japan, South Korea, Brazil, Mexico, Australia, and Trinidad and Tobago. Although bilateral agreements have been reached with Austria, Finland and Yugoslavia, there has been no announcement of additional market share increases for those countries.

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

Country	VRA I	First	Second	Third
		Period 1/	Period 1/	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

<sup>1</sup> 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.

<sup>2</sup> 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

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

## Notes on Product Coverage and Methodology

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

The products for which foreign trade data are collected generally correspond to those covered by the VRAs. Since the VRAs include certain fabricated products (defined as wire strand, wire ropes, cables, cordage and fabricated structural units), the data may exceed that compiled by other organizations such as the AISI. The additional tonnage, however, is relatively small. In 1989, AISI reported imports of 17.3 million tons, which compares to the 18.2 million tons indicated in this report. The product categories most affected are structural shapes and units (which includes fabricated structurals in this report) and wire and wire products (which includes wire rope and wire strand).

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

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

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

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

As of the February 1990 report, the source for the data on employment levels in Table 1 was changed from the American Iron and Steel Institute (AISI) to the U.S. Department of Labor, Bureau of Labor Statistics (BLS). AISI employment figures cover reporting companies only; these companies represent a declining share of total raw steel production. The BLS data cover the entire steel industry, as defined by Standard Industrial Code 331.

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

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

Certain import data have been revised in this report to correct problems that occurred in the process of converting to the HTS; the data revisions, however, are minor.



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Table 1.--Steel: U.S. raw steel production, capability utilization, employment, wages, shipments, imports, exports, apparent consumption, net sales, 1985-89 and specified periods, 1989 and 1990

Item	1985	1986	1987	1988	1989	January-February	
						1989	1990
Raw steel:							
Production (1,000 short tons).....	88,259	81,606	89,151	99,924	97,480	16,764	15,905
Capability utilization (percent).....	66.1	63.8	79.5	89.2	84.1	89.0	84.2
Continuously cast (percent).....	44.4	55.2	59.8	61.3	64.6	62.3	66.6
Employment:							
Total (thousands) <u>1/</u> .....	302.6	273.5	268.4	277.2	274.3	276.4	268.9
Production workers (thousands) <u>1/</u> .....	231.5	208.8	202.9	214.6	211.6	214.4	206.7
Hourly employment cost <u>2/</u> (dollars).....	22.81	23.24	23.71	24.65	24.63	24.49	25.19
Steel:							
Shipments (1,000 short tons).....	73,043	70,263	76,654	83,840	84,259	14,119	13,375
Imports (1,000 short tons).....	24,885	21,289	20,938	21,869	18,219	3,270	2,691
Exports (1,000 short tons).....	992	980	1,176	2,152	4,778	517	950
Apparent consumption (1,000 short tons)....	96,936	90,572	96,416	103,558	97,700	16,872	15,117
Ratio of imports to consumption (percent)..	25.7	23.5	21.7	21.1	18.6	19.4	17.8
Steel operations:							
Net steel sales (million dollars).....	28,272	24,875	26,933	32,318	<u>3/</u>	<u>3/</u>	<u>3/</u>
Net steel income (million dollars).....	(1,834)	(4,150)	1,077	(559)	<u>3/</u>	<u>3/</u>	<u>3/</u>
Ratio of income to net sales (percent).....	(6.5)	(16.7)	4	(1.9)	<u>3/</u>	<u>3/</u>	<u>3/</u>

1/ These figures represent employment in Standard Industrial Code (SIC) 331, which includes the electrometallurgical products (or ferroalloy) industry. In the past, this industry, which is not generally defined as part of the steel industry, has represented less than 3 percent of total employment levels reporting under this SIC. Please note that the data series on employment levels has been changed as of the February 1990 report. (See Notes for explanation).

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

3/ Not available.

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

Table 2.--Steel mill products and certain fabricated steel products: U.S. producers shipments, by product and grade of steel, 1985-1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1985	1986	1987	1988	1989	January-February	
						1989	1990
<b>All grades of steel:</b>							
Semifinished-----	1,374,524	1,485,249	1,593,216	1,927,658	1,850,245	383,016	294,675
Plate-----	4,327,347	3,564,806	4,047,919	7,327,887	7,293,115	1,171,149	1,323,249
Sheet and strip-----	40,850,298	40,493,141	43,288,266	44,707,915	45,376,975	7,583,287	6,825,536
Bars & certain shapes 1/--	12,667,539	12,171,142	13,575,114	14,488,773	14,510,007	2,507,777	2,412,348
Wire rod-----	2,961,769	3,463,827	3,840,494	4,048,230	4,229,889	662,787	646,902
Wire-----	874,135	802,259	800,063	1,072,698	1,005,407	172,350	158,103
Wire products-----	262,268	278,068	304,761	0	3/	3/	3/
Structural shapes & units	4,698,305	4,527,632	5,119,714	5,208,754	5,438,404	954,882	897,122
Rails & related products--	931,313	640,197	514,647	615,303	544,771	102,214	84,648
Pipe and tube-----	4,095,825	2,836,458	3,569,647	4,443,251	4,010,591	581,891	732,650
<b>Total-----</b>	<b>73,043,323</b>	<b>70,262,779</b>	<b>76,653,841</b>	<b>83,840,469</b>	<b>84,259,404</b>	<b>14,119,353</b>	<b>13,375,233</b>
<b>Carbon &amp; certain alloy 2/ steel:</b>							
Semifinished-----	1,327,766	1,435,662	1,516,152	1,851,197	1,753,249	364,774	274,793
Plate-----	4,185,883	3,448,947	3,888,838	7,145,009	7,123,691	1,138,145	1,292,039
Sheet and strip-----	40,018,167	39,693,739	42,347,623	43,663,695	44,419,414	7,395,515	6,677,799
Bars & certain shapes-----	12,478,002	11,996,343	13,391,238	14,284,744	14,304,189	2,474,405	2,379,824
Wire rod-----	2,931,897	3,427,428	3,792,740	3,990,472	4,193,118	655,532	641,951
Wire-----	851,841	777,604	773,329	1,043,112	980,707	167,044	154,647
Wire products-----	262,268	278,068	304,761	0	3/	3/	3/
Structural shapes & units	4,698,305	4,527,632	5,119,714	5,208,754	5,438,404	954,882	897,122
Rails & related products--	931,313	640,197	514,647	615,303	544,771	102,214	84,648
Pipe and tube-----	4,046,771	2,794,218	3,527,867	4,387,761	3,962,470	572,832	724,803
<b>Total-----</b>	<b>71,732,213</b>	<b>69,019,838</b>	<b>75,176,909</b>	<b>82,190,047</b>	<b>82,720,013</b>	<b>13,825,343</b>	<b>13,127,626</b>
<b>Stainless &amp; alloy tool steel:</b>							
<b>Stainless steel:</b>							
Semifinished-----	46,758	49,587	77,064	76,461	96,996	18,242	19,882
Plate-----	141,464	115,859	159,081	182,878	169,424	33,004	31,210
Sheet and strip-----	832,131	799,402	940,643	1,044,220	957,561	187,772	147,737
Bars & certain shapes-----	129,267	119,024	125,441	139,752	138,618	22,770	24,159
Wire rod-----	29,872	36,399	47,754	57,758	36,771	7,255	4,951
Wire-----	22,294	24,655	26,734	29,586	24,700	5,306	3,456
Pipe and tube-----	49,054	42,240	41,780	55,490	48,121	9,059	7,847
Tool steel (all forms)----	60,270	55,775	58,435	64,277	67,200	10,602	8,365
<b>Total-----</b>	<b>1,311,110</b>	<b>1,242,941</b>	<b>1,476,932</b>	<b>1,650,422</b>	<b>1,539,391</b>	<b>294,010</b>	<b>247,607</b>

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, 1985-1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1985	1986	1987	1988	1989	January-February	
						1989	1990
<b>All grades of steel:</b>							
Semifinished-----	2,440,368	2,084,322	2,288,995	2,844,979	2,197,811	362,482	438,599
Plate-----	1,772,309	1,456,790	1,566,694	1,872,937	1,437,109	272,895	176,121
Sheet and strip-----	9,046,089	8,278,604	7,875,891	7,303,964	6,443,362	1,059,559	877,147
Bars & certain shapes 1/-----	1,550,559	1,476,368	1,359,758	1,445,932	1,356,035	275,368	175,580
Wire rod-----	1,476,145	1,362,753	1,467,030	1,493,833	1,150,116	202,588	214,011
Wire-----	612,485	582,022	555,981	540,380	494,303	85,163	78,686
Wire products-----	674,960	636,591	649,377	572,451	703,602	109,529	121,076
Structural shapes & units-----	2,440,403	2,179,657	2,153,669	2,188,467	1,640,361	381,208	166,563
Rails & related products-----	382,046	275,710	245,988	319,432	322,985	64,484	51,619
Pipe and tube-----	4,489,287	2,956,303	2,775,091	3,286,690	2,472,802	456,841	391,748
<b>Total-----</b>	<b>24,884,651</b>	<b>21,289,120</b>	<b>20,938,474</b>	<b>21,869,065</b>	<b>18,218,486</b>	<b>3,270,117</b>	<b>2,691,150</b>
<b>Carbon &amp; certain alloy 2/ steel:</b>							
Semifinished-----	2,430,078	2,066,700	2,232,270	2,782,572	2,135,690	348,374	432,481
Plate-----	1,760,812	1,440,375	1,555,577	1,857,090	1,419,396	269,289	173,142
Sheet and strip-----	8,910,469	8,127,033	7,746,596	7,185,380	6,302,844	1,035,216	856,587
Bars & certain shapes-----	1,475,447	1,393,731	1,281,168	1,361,113	1,264,305	258,865	154,440
Wire rod-----	1,456,078	1,344,256	1,448,720	1,474,623	1,128,417	199,695	210,067
Wire-----	590,317	564,481	536,897	519,727	472,984	80,864	75,777
Wire products-----	674,960	636,591	649,377	572,451	703,602	109,529	121,076
Structural shapes & units-----	2,440,403	2,179,657	2,153,669	2,188,467	1,640,361	381,208	166,563
Rails & related products-----	382,046	275,710	245,988	319,432	322,985	64,484	51,619
Pipe and tube-----	4,457,277	2,923,029	2,748,644	3,249,937	2,435,544	450,093	385,130
<b>Total-----</b>	<b>24,577,887</b>	<b>20,951,563</b>	<b>20,598,906</b>	<b>21,510,792</b>	<b>17,826,128</b>	<b>3,197,617</b>	<b>2,626,882</b>
<b>Stainless &amp; alloy tool steel:</b>							
<b>Stainless steel:</b>							
Semifinished-----	10,290	17,622	56,725	62,407	62,121	14,108	6,118
Plate-----	11,497	16,415	11,118	15,847	17,713	3,606	2,979
Sheet and strip-----	135,620	151,571	129,295	118,584	140,519	24,343	20,561
Bars & certain shapes-----	37,970	37,888	37,991	40,724	43,417	7,332	7,252
Wire rod-----	20,067	18,496	18,311	19,210	21,698	2,893	3,945
Wire-----	22,169	17,541	19,084	20,653	21,319	4,299	2,909
Pipe and tube-----	32,009	33,274	26,448	36,752	37,258	6,748	6,619
Tool steel (all forms)-----	37,142	44,749	40,599	44,095	48,313	9,171	13,889
<b>Total-----</b>	<b>306,764</b>	<b>337,556</b>	<b>339,571</b>	<b>358,272</b>	<b>392,358</b>	<b>72,500</b>	<b>64,272</b>

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, 1985-1989, and by specified periods, 1989 and 1990.

(Short tons)

Item	1985	1986	1987	1988	1989	January-February	
						1989	1990
<b>All grades of steel:</b>							
Semifinished-----	89,708	58,885	73,543	61,430	390,812	32,356	173,627
Plate-----	82,988	69,565	96,538	119,393	630,689	105,636	51,581
Sheet and strip-----	375,396	507,420	556,991	1,374,056	2,521,649	213,699	271,859
Bars & certain shapes 1/--	99,096	81,224	121,869	141,461	258,640	29,701	53,669
Wire rod-----	4,740	5,876	8,217	10,161	36,093	3,005	8,180
Wire-----	19,146	26,760	26,669	36,668	31,344	4,402	8,000
Wire products-----	19,253	24,731	23,257	27,847	32,160	3,221	5,708
Structural shapes & units--	89,031	71,525	101,373	111,614	260,750	31,116	54,170
Rails & related products--	13,430	13,131	15,755	18,855	86,464	9,631	268,612
Pipe and tube-----	199,258	121,050	152,155	250,390	442,992	84,547	54,326
<b>Total-----</b>	<b>992,046</b>	<b>980,167</b>	<b>1,176,367</b>	<b>2,151,875</b>	<b>4,691,593</b>	<b>517,314</b>	<b>949,732</b>
<b>Carbon &amp; certain alloy 2/ steel:</b>							
Semifinished-----	82,650	57,932	71,362	58,598	376,984	31,441	172,675
Plate-----	74,957	66,042	92,057	107,546	623,412	103,646	49,895
Sheet and strip-----	349,620	477,803	501,010	1,328,485	2,475,995	203,432	263,313
Bars & certain shapes-----	89,241	72,134	111,619	124,911	223,749	22,031	51,307
Wire rod-----	3,716	5,049	6,889	8,676	30,588	2,562	7,040
Wire-----	17,182	24,033	22,863	32,209	28,730	3,976	7,597
Wire products-----	19,253	24,731	23,257	27,847	32,160	3,221	5,708
Structural shapes & units--	89,031	71,525	101,373	111,614	260,750	31,116	54,170
Rails & related products--	13,430	13,131	15,755	18,855	86,464	9,631	268,612
Pipe and tube-----	193,309	118,010	143,405	244,192	434,925	82,678	52,413
<b>Total-----</b>	<b>932,389</b>	<b>930,390</b>	<b>1,089,590</b>	<b>2,062,933</b>	<b>4,573,757</b>	<b>493,734</b>	<b>932,730</b>
<b>Stainless &amp; alloy tool steel:</b>							
<b>Stainless steel:</b>							
Semifinished-----	7,058	953	2,181	2,833	13,829	915	952
Plate-----	8,031	3,523	4,481	11,847	7,277	1,989	1,686
Sheet and strip-----	25,776	29,617	55,981	45,571	45,653	10,267	8,545
Bars & certain shapes-----	7,762	6,946	7,189	12,047	16,399	3,458	1,848
Wire rod-----	1,024	828	1,328	1,486	5,505	443	1,140
Wire-----	1,964	2,728	3,806	4,459	2,614	426	403
Pipe and tube-----	5,948	3,040	8,751	6,198	8,067	1,868	1,913
Tool steel (all forms)-----	2,094	2,144	3,061	4,502	18,492	4,212	514
<b>Total-----</b>	<b>59,657</b>	<b>49,779</b>	<b>86,778</b>	<b>88,943</b>	<b>117,836</b>	<b>23,578</b>	<b>17,001</b>

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, 1985-1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1985	1986	1987	1988	1989	January-February	
						1989	1990
<b>All grades of steel:</b>							
Semifinished	3,725,184	3,510,686	3,808,668	4,711,207	3,657,244	713,142	559,647
Plate	6,016,668	4,952,031	5,518,075	9,081,431	8,099,535	1,338,408	1,447,789
Sheet and strip	49,520,991	48,264,325	50,607,166	50,637,823	49,298,688	8,429,147	7,430,824
Bars & certain shapes <sup>1/</sup>	14,119,002	13,566,286	14,813,003	15,793,244	15,607,402	2,753,444	2,534,259
Wire rod	4,433,174	4,820,704	5,299,307	5,531,902	5,343,912	862,370	852,733
Wire	1,467,474	1,357,521	1,329,375	1,576,410	2,139,808	359,419	344,157
Wire products	917,975	889,928	930,881	544,604	3/	3/	3/
Structural shapes & units	7,049,677	6,635,764	7,172,010	7,285,607	6,818,015	1,304,974	1,009,515
Rails & related products	1,299,929	902,776	744,880	915,880	781,292	157,067	132,345
Pipe and tube	8,385,854	5,671,711	6,192,583	7,479,551	6,040,401	954,185	1,070,072
<b>Total</b>	<b>96,935,928</b>	<b>90,571,732</b>	<b>96,415,948</b>	<b>103,557,659</b>	<b>97,786,297</b>	<b>16,872,156</b>	<b>15,116,651</b>
<b>Carbon &amp; certain alloy <sup>2/</sup> steel:</b>							
Semifinished	3,675,194	3,444,430	3,677,060	4,575,171	3,511,955	681,707	534,599
Plate	5,871,738	4,823,280	5,352,358	8,894,553	7,919,675	1,303,788	1,415,286
Sheet and strip	48,579,016	47,342,969	49,593,209	49,520,590	48,246,263	8,227,299	7,271,073
Bars & certain shapes	13,864,208	13,317,940	14,560,787	15,520,946	15,344,745	2,711,239	2,482,957
Wire rod	4,384,259	4,766,635	5,234,571	5,456,419	5,290,947	852,665	844,978
Wire	1,424,976	1,318,052	1,287,363	1,530,630	2,096,403	350,240	338,195
Wire products	917,975	889,928	930,881	544,604	3/	3/	3/
Structural shapes & units	7,049,677	6,635,764	7,172,010	7,285,607	6,818,015	1,304,974	1,009,515
Rails & related products	1,299,929	902,776	744,880	915,880	781,292	157,067	132,345
Pipe and tube	8,310,739	5,599,237	6,133,106	7,393,506	5,963,089	940,247	1,057,520
<b>Total</b>	<b>95,377,711</b>	<b>89,041,011</b>	<b>94,686,225</b>	<b>101,637,906</b>	<b>95,972,384</b>	<b>16,529,226</b>	<b>14,821,778</b>
<b>Stainless &amp; alloy tool steel:</b>							
<b>Stainless steel:</b>							
Semifinished	49,990	66,256	131,608	136,035	145,288	31,435	25,048
Plate	144,930	128,751	165,718	186,878	179,860	34,621	32,503
Sheet and strip	941,975	921,356	1,013,957	1,117,233	1,052,427	201,848	159,753
Bars & certain shapes	159,475	149,966	156,243	168,429	165,636	26,644	29,563
Wire rod	48,915	54,067	64,737	75,482	52,964	9,705	7,756
Wire	42,499	39,468	42,012	45,780	43,405	9,179	5,962
Pipe and tube	75,115	72,474	59,477	86,044	77,312	13,939	12,553
<b>Tool steel (all forms)</b>	<b>95,318</b>	<b>98,380</b>	<b>95,973</b>	<b>103,870</b>	<b>97,021</b>	<b>15,561</b>	<b>21,740</b>
<b>Total</b>	<b>1,558,217</b>	<b>1,530,718</b>	<b>1,729,725</b>	<b>1,919,751</b>	<b>1,813,913</b>	<b>342,932</b>	<b>294,878</b>

<sup>1/</sup> Includes tool steel.

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

<sup>3/</sup> 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, 1985-1989, and by specific periods, 1989 and 1990

(Percent)

Item	1985	1986	1987	1988	1989	January-February	
						1989	1990
<b>All grades of steel:</b>							
Semifinished-----	65.5	59.4	60.1	60.4	60.1	50.8	78.4
Plate-----	29.5	29.4	28.4	20.6	17.7	20.4	12.2
Sheet and strip-----	18.3	17.2	15.6	14.4	13.1	12.6	11.8
Bars & certain shapes 1/--	11.0	10.9	9.2	9.2	8.7	10.0	6.9
Wire rod-----	33.3	28.3	27.7	27.0	21.5	23.5	25.1
Wire-----	41.0	42.0	41.0	34.0	37.0	19.0	57.0
Wire products-----	73.5	71.5	69.8	5.1	3/	3/	3/
Structural shapes & units--	34.6	32.8	30.0	30.0	24.1	29.2	16.5
Rails & related products--	29.4	30.5	33.0	34.9	41.3	41.1	39.0
Pipe and tube-----	53.5	52.1	44.8	43.9	40.9	47.9	36.6
Total-----	25.7	23.5	21.7	21.1	18.6	19.4	17.8
<b>Carbon &amp; certain alloy 2/ steel:</b>							
Semifinished-----	66.1	60.0	60.7	60.8	60.8	51.1	80.9
Plate-----	30.0	29.9	29.1	20.9	17.9	20.7	12.2
Sheet and strip-----	18.3	17.2	15.6	14.5	13.1	12.6	11.8
Bars & certain shapes-----	10.6	10.5	8.8	8.8	8.2	9.5	6.2
Wire rod-----	33.2	28.2	27.7	27.0	21.3	23.4	24.9
Wire-----	41.0	42.0	41.0	34.0	37.0	40.0	95.0
Wire products-----	73.5	71.5	69.8	5.1	3/	3/	3/
Structural shapes & units--	34.6	32.8	30.0	30.0	24.1	29.2	16.5
Rails & related products--	29.4	30.5	33.0	34.9	41.3	41.1	39.0
Pipe and tube-----	53.6	52.2	44.8	44.0	40.8	47.9	36.4
Total-----	25.8	23.5	21.8	21.2	18.6	19.3	17.7
<b>Stainless &amp; alloy tool steel:</b>							
<b>Stainless steel:</b>							
Semifinished-----	20.6	26.6	43.1	45.9	42.8	44.9	24.4
Plate-----	7.9	12.7	6.7	8.5	9.8	10.4	9.2
Sheet and strip-----	14.4	16.5	12.8	10.6	13.4	12.1	12.9
Bars & certain shapes-----	23.8	25.3	24.3	24.2	26.2	27.5	24.5
Wire rod-----	41.0	34.2	28.3	25.4	41.0	29.8	50.9
Wire-----	52.2	44.4	45.4	45.1	49.1	46.8	48.8
Pipe and tube-----	42.6	45.9	44.5	42.7	48.2	48.4	52.7
<b>Tool steel (all forms)-----</b>	<b>39.0</b>	<b>45.5</b>	<b>42.3</b>	<b>42.5</b>	<b>49.8</b>	<b>58.9</b>	<b>63.9</b>
Total-----	19.7	22.1	19.6	18.7	21.6	21.1	21.8

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	282,085	274,578	50,820	49,482
Austria -----	138,101	86,486	6,230	14,971
Brazil -----	1,476,896	1,391,142	302,285	267,252
Czechoslovakia -----	37,301	25,693	124	1,264
East Germany -----	92,239	55,867	14,608	17,482
EC countries-----	6,276,220	5,676,977	949,056	664,083
Finland -----	212,989	216,716	39,273	46,673
Hungary -----	30,094	28,420	4,381	0
Japan -----	4,343,898	3,695,906	743,598	471,873
Mexico -----	488,367	467,605	39,666	145,031
Peoples Rep of China -----	68,840	62,028	7,699	11,012
Poland -----	89,648	72,786	9,191	6,654
Romania -----	102,548	49,451	1,490	1,672
Republic of South Africa -----	1,693	756	103	13
Korea, Republic of -----	1,572,602	1,191,970	224,098	224,135
Trinidad and Tobago -----	31,518	48,028	4,316	20,108
Venezuela -----	169,383	173,642	10,848	20,274
Yugoslavia -----	12,751	8,222	861	2,920
<b>Total-----</b>	<b>15,427,173</b>	<b>13,526,273</b>	<b>2,408,647</b>	<b>1,964,899</b>
<b>Other countries:</b>				
Canada -----	3,430,920	3,218,260	581,708	509,968
Sweden -----	575,055	254,507	51,051	31,759
Argentina -----	558,011	227,866	26,681	31,571
Turkey -----	307,985	211,804	40,931	37,310
Taiwan -----	252,112	164,019	37,714	30,312
India -----	100,261	106,110	6,882	21,269
Norway -----	181,502	90,181	24,092	3,323
Singapore -----	153,164	78,918	14,080	11,910
New Zealand -----	88,980	78,564	22,555	22,124
Indonesia -----	281,142	69,344	13,878	5,581
All others-----	512,760	192,639	41,898	21,124
<b>Total-----</b>	<b>6,441,892</b>	<b>4,692,212</b>	<b>861,470</b>	<b>726,251</b>
<b>Grand total-----</b>	<b>21,869,065</b>	<b>18,218,485</b>	<b>3,270,117</b>	<b>2,691,150</b>

Table 7.--Steel mill products and certain fabricated steel products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	118,494	126,633	24,018	15,206
Austria -----	82,907	67,871	7,930	11,655
Brazil -----	463,632	473,506	101,938	70,592
Czechoslovakia -----	12,019	8,890	74	489
East Germany -----	31,340	18,908	4,832	5,705
EC countries-----	2,981,610	2,945,914	492,112	354,801
Finland -----	101,105	91,999	17,042	17,782
Hungary -----	8,600	9,155	1,400	-
Japan -----	2,562,005	2,426,329	449,526	335,951
Mexico -----	240,693	252,029	22,561	62,150
Peoples Rep of China -----	27,574	34,627	4,062	5,831
Poland -----	30,281	26,614	3,910	2,763
Romania -----	36,063	17,374	597	641
Republic of South Africa -----	1,487	594	84	13
Korea, Republic of -----	770,065	638,311	111,303	116,994
Trinidad and Tobago -----	8,602	14,695	1,719	5,704
Venezuela -----	53,699	61,681	4,499	7,860
Yugoslavia -----	5,947	3,423	286	1,191
<b>Total-----</b>	<b>7,536,123</b>	<b>7,218,553</b>	<b>1,247,893</b>	<b>1,015,328</b>
<b>Other countries:</b>				
Canada -----	1,706,602	1,697,641	311,105	256,484
Sweden -----	358,878	278,349	48,973	37,630
Argentina -----	221,845	110,210	10,645	16,058
Turkey -----	93,038	65,996	12,639	10,617
Taiwan -----	134,663	107,331	20,972	22,847
India -----	43,769	45,816	3,769	9,660
Norway -----	55,371	33,921	7,736	2,252
Singapore -----	50,365	32,735	5,893	5,211
New Zealand -----	35,995	41,302	10,137	10,048
Indonesia -----	81,687	24,760	5,379	2,421
All others-----	194,569	92,265	19,515	12,273
<b>Total-----</b>	<b>2,976,782</b>	<b>2,530,326</b>	<b>456,763</b>	<b>385,501</b>
<b>Grand total-----</b>	<b>10,512,905</b>	<b>9,748,879</b>	<b>1,704,656</b>	<b>1,400,829</b>

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January-February	
			1989	1990
Quantity (Short tons)				
<b>VRA countries:</b>				
Australia -----	202,683	205,832	50,820	13,000
Austria -----	138,029	86,486	6,230	14,971
Brazil -----	755,083	724,260	190,152	57,661
Czechoslovakia -----	37,301	25,693	124	1,264
East Germany -----	92,239	55,867	14,608	17,482
EC-----	5,084,148	4,732,130	780,394	542,007
Finland -----	209,750	182,165	39,273	46,673
Hungary -----	30,094	28,420	4,381	0
Japan -----	4,264,692	3,608,721	719,590	471,212
Mexico -----	424,451	390,447	37,844	88,183
Peoples Rep of China -----	68,840	62,023	7,699	11,001
Poland -----	89,295	72,493	8,950	6,654
Romania -----	102,548	49,451	1,490	1,672
Republic of South Africa -----	1,693	750	103	13
Korea, Republic of -----	1,515,157	1,125,936	212,834	224,135
Trinidad and Tobago -----	28,460	48,028	4,316	20,108
Venezuela -----	119,720	125,160	10,848	20,274
Yugoslavia -----	12,751	8,222	861	2,920
<b>Total-----</b>	<b>13,176,934</b>	<b>11,532,084</b>	<b>2,090,517</b>	<b>1,539,230</b>
<b>Other countries:</b>				
Canada -----	3,327,082	3,098,487	566,853	498,443
Argentina -----	535,190	227,011	26,620	31,571
Turkey -----	307,985	211,804	40,931	37,310
Sweden -----	269,005	183,284	27,492	30,358
Taiwan -----	252,112	164,018	37,714	30,307
India -----	100,261	106,110	6,882	21,269
Norway -----	116,917	84,304	18,216	3,323
Singapore -----	153,164	78,918	14,080	11,910
New Zealand -----	42,766	78,564	22,555	22,124
Indonesia -----	276,988	69,344	13,878	5,581
All others-----	465,682	186,746	41,898	21,126
<b>Total-----</b>	<b>5,847,152</b>	<b>4,488,590</b>	<b>817,119</b>	<b>713,322</b>
<b>Grand total-----</b>	<b>19,024,086</b>	<b>16,020,674</b>	<b>2,907,636</b>	<b>2,252,552</b>

See footnotes at end of table.

Table 8.--Steel other than semifinished steel: <sup>1/</sup> U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January-February	
			1989	1990
Import/consumption ratio (percent)				
VRA countries:				
Australia -----	.2	.2	.3	.1
Austria -----	.1	.1	<sup>2/</sup>	.1
Brazil -----	.8	.8	1.2	.4
Czechoslovakia -----	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>
East Germany -----	.1	.1	.1	.1
EC-----	5.2	5.1	4.9	3.8
Finland -----	.2	.2	.2	.3
Hungary -----	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>
Japan -----	4.4	3.9	4.5	3.3
Mexico -----	.4	.4	.2	.6
Peoples Rep of China -----	.1	.1	<sup>2/</sup>	.1
Poland -----	.1	.1	.1	<sup>2/</sup>
Romania -----	.1	.1	<sup>2/</sup>	<sup>2/</sup>
Republic of South Africa -----	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>
Korea, Republic of -----	1.6	1.2	1.3	1.6
Trinidad and Tobago -----	<sup>2/</sup>	.1	<sup>2/</sup>	.1
Venezuela -----	.1	.1	.1	.1
Yugoslavia -----	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>
Total-----	13.5	12.4	13.1	10.7
Other countries:				
Canada -----	3.4	3.3	3.5	3.4
Argentina -----	.5	.2	.2	.2
Turkey -----	.3	.2	.3	.3
Sweden -----	.3	.2	.2	.2
Taiwan -----	.3	.2	.2	.2
India -----	.1	.1	<sup>2/</sup>	.1
Norway -----	.1	.1	.1	<sup>2/</sup>
Singapore -----	.2	.1	.1	.1
New Zealand -----	<sup>2/</sup>	.1	.1	.2
Indonesia -----	.3	.1	.1	<sup>2/</sup>
All others-----	.5	.2	.3	.1
Total-----	6.0	4.8	5.1	4.9
Grand total-----	19.5	17.2	18.2	15.6

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

<sup>2/</sup> 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, 1988, 1989, and by specified periods, 1989 and 1990

Source	Unadjusted Initial Period Ceiling 2/	1988	1989	January--February	
				1989	1990
Quantity (short tons)					
<b>VRA countries:</b>					
Australia	4/	79,402	68,747	0	36,482
Austria	4/	73	0	0	0
Brazil	4/	721,813	666,882	112,133	209,590
Czechoslovakia	4/	0	0	0	0
East Germany	4/	0	0	0	0
EC Countries	808,674	1,192,072	944,846	168,661	122,076
Finland	4/	3,239	34,551	0	0
Hungary	4/	0	0	0	0
Japan	4/	79,206	87,185	24,009	660
Mexico	255,371	63,916	77,158	1,822	56,848
Peoples Rep of China	4/	0	5	0	12
Poland	4/	353	293	241	0
Romania	4/	0	0	0	0
Republic of South Africa	5/ 100,000	0	7	0	0
Korea, Republic of	4/	57,445	66,033	11,264	0
Trinidad and Tobago	4/	3,058	0	0	0
Venezuela	4/	49,663	48,482	0	0
Yugoslavia	4/	0	0	0	0
<b>Total</b>	<b>6/</b>	<b>2,250,240</b>	<b>1,994,189</b>	<b>318,130</b>	<b>425,668</b>
<b>Other countries:</b>					
Canada	6/	103,838	119,773	14,855	11,525
Sweden	6/	306,050	71,223	23,559	1,401
Norway	6/	64,585	5,877	5,877	0
Soviet Union	6/	47,078	5,860	0	0
Argentina	6/	22,820	855	62	0
Switzerland	6/	0	31	0	0
Taiwan	6/	0	0	0	4
Israel	6/	0	0	0	0
Indonesia	6/	4,154	0	0	0
New Zealand	6/	46,214	0	0	0
<b>Total</b>	<b>6/</b>	<b>594,739</b>	<b>203,619</b>	<b>44,353</b>	<b>12,930</b>
<b>Grand total</b>	<b>6/</b>	<b>2,844,979</b>	<b>2,197,808</b>	<b>362,483</b>	<b>438,598</b>

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	79,402	68,747	0	36,482
Austria -----	0	0	0	0
Brazil -----	720,130	666,882	112,133	209,590
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	1,181,448	930,852	164,245	122,033
Finland -----	3,239	34,551	0	0
Hungary -----	0	0	0	0
Japan -----	77,271	86,487	23,744	660
Mexico -----	63,916	76,982	1,822	56,757
Peoples Rep of China -----	0	5	0	12
Poland -----	279	0	0	0
Romania -----	0	0	0	0
Republic of South Africa ----	0	7	0	0
Korea, Republic of -----	57,445	66,033	11,264	0
Trinidad and Tobago -----	3,058	0	0	0
Venezuela -----	49,663	48,482	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>2,235,851</b>	<b>1,979,028</b>	<b>313,208</b>	<b>425,534</b>
Other countries:				
Canada -----	70,310	83,218	7,478	6,943
Sweden -----	291,559	60,821	21,748	2/
Norway -----	64,585	5,877	5,877	0
Soviet Union -----	47,078	5,860	0	0
Argentina -----	22,820	855	62	0
Switzerland -----	2/	31	0	0
New Zealand -----	46,214	0	0	0
Taiwan -----	0	0	0	4
Indonesia -----	4,154	0	0	0
<b>Total-----</b>	<b>546,720</b>	<b>156,662</b>	<b>35,165</b>	<b>6,947</b>
<b>Grand total-----</b>	<b>2,782,571</b>	<b>2,135,690</b>	<b>348,373</b>	<b>432,481</b>

See footnote(s) at end of table.



Table 10.--Carbon and certain alloy <sup>1/</sup> semifinished steel: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	15,165	14,426	0	7,754
Austria -----	0	0	0	0
Brazil -----	161,215	166,678	28,655	45,259
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	290,884	244,360	41,636	30,163
Finland -----	770	10,811	0	0
Hungary -----	0	0	0	0
Japan -----	19,499	24,972	5,857	1,298
Mexico -----	17,342	19,722	789	11,767
Peoples Rep of China -----	0	7	0	12
Poland -----	69	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	18	0	0
Korea, Republic of -----	14,573	16,133	2,698	0
Trinidad and Tobago -----	617	0	0	0
Venezuela -----	11,049	10,072	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>531,183</b>	<b>507,199</b>	<b>79,635</b>	<b>96,253</b>
<b>Other countries:</b>				
Canada -----	21,337	27,484	4,123	2,531
Sweden -----	73,544	15,249	5,589	7
Norway -----	14,757	1,288	1,288	0
Soviet Union -----	6,946	843	0	0
Argentina -----	6,147	336	21	0
Switzerland -----	3	155	0	0
New Zealand -----	13,489	0	0	0
Taiwan -----	0	0	0	6
Indonesia -----	1,196	0	0	0
<b>Total-----</b>	<b>137,419</b>	<b>45,355</b>	<b>11,021</b>	<b>2,544</b>
<b>Grand total-----</b>	<b>668,602</b>	<b>552,554</b>	<b>90,656</b>	<b>98,797</b>

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

<sup>2/</sup> Less than 0.5 short ton.

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

Table 11.--Carbon and certain alloy  $\frac{1}{2}$  steel plate: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	5,935	4,634	474	652
Austria -----	21,426	5,851	506	310
Brazil -----	171,537	134,769	60,178	1,182
Czechoslovakia -----	16,455	17,274	0	0
East Germany -----	17,270	10,342	1,153	4,401
EC countries-----	515,974	521,489	99,349	63,940
Finland -----	96,135	108,885	18,780	20,115
Hungary -----	16,146	15,300	2,480	0
Japan -----	44,538	45,639	7,459	5,518
Mexico -----	20,867	26,919	2,279	7,311
Peoples Rep of China -----	26	0	0	0
Poland -----	30,860	28,960	4,466	1,754
Romania -----	68,325	35,438	1,438	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	68,405	46,109	9,303	4,582
Trinidad and Tobago -----	389	2,204	0	0
Venezuela -----	6,653	10,033	64	0
Yugoslavia -----	1,423	0	0	0
<b>Total-----</b>	<b>1,102,364</b>	<b>1,013,846</b>	<b>207,929</b>	<b>109,765</b>
<b>Other countries:</b>				
Canada -----	419,556	266,881	50,865	37,083
Sweden -----	110,743	78,601	9,336	14,394
India -----	34,780	53,828	0	11,017
New Zealand -----	3,849	5,544	1,071	882
Indonesia -----	84,969	267	0	0
Argentina -----	44,564	233	0	0
Turkey -----	5,946	193	89	0
Peru -----	0	<u>2</u>	0	0
Switzerland -----	86	0	0	0
Israel -----	1,729	0	0	0
All others-----	48,503	0	0	0
<b>Total-----</b>	<b>754,725</b>	<b>405,547</b>	<b>61,361</b>	<b>63,376</b>
<b>Grand total-----</b>	<b>1,857,089</b>	<b>1,419,393</b>	<b>269,290</b>	<b>173,141</b>

See footnote(s) at end of table.

Table 11.--Carbon and certain alloy <sup>1/</sup> steel plate: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	3,190	2,371	211	271
Austria -----	8,467	2,465	229	285
Brazil -----	67,413	44,586	17,409	425
Czechoslovakia -----	5,280	5,498	0	0
East Germany -----	5,566	3,312	397	1,304
EC countries -----	219,700	215,157	43,176	25,354
Finland -----	38,528	39,347	6,817	6,712
Hungary -----	4,494	4,847	793	0
Japan -----	27,120	27,889	4,283	3,702
Mexico -----	8,122	10,816	1,128	2,389
Peoples Rep of China -----	28	0	0	0
Poland -----	9,971	9,915	1,583	601
Romania -----	22,680	11,827	561	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	28,496	17,725	3,639	1,704
Trinidad and Tobago -----	122	630	0	0
Venezuela -----	2,062	3,172	23	0
Yugoslavia -----	461	0	0	0
<b>Total</b> -----	<b>451,700</b>	<b>399,557</b>	<b>80,249</b>	<b>42,747</b>
<b>Other countries:</b>				
Canada -----	175,573	109,513	22,296	14,426
Sweden -----	52,247	39,192	5,038	6,576
India -----	14,024	17,706	0	3,793
New Zealand -----	1,350	1,671	346	237
Indonesia -----	25,597	125	0	0
Argentina -----	14,038	81	0	0
Turkey -----	2,186	88	40	0
Peru -----	0	6	0	0
Switzerland -----	38	0	0	0
Israel -----	754	0	0	0
All others-----	14,161	0	0	0
<b>Total</b> -----	<b>299,968</b>	<b>168,382</b>	<b>27,720</b>	<b>25,032</b>
<b>Grand total</b> -----	<b>751,668</b>	<b>567,939</b>	<b>107,969</b>	<b>67,779</b>

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

<sup>2/</sup> 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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	169,338	173,844	42,085	9,205
Austria -----	80,141	44,936	2,159	5,955
Brazil -----	279,788	374,903	79,862	10,365
Czechoslovakia -----	0	10	0	0
East Germany -----	50,830	26,330	7,476	9,003
EC countries-----	2,249,090	1,968,270	255,634	191,232
Finland -----	85,164	56,876	13,750	22,911
Hungary -----	13,211	11,903	1,901	0
Japan -----	2,209,538	2,050,376	378,586	283,402
Mexico -----	139,529	117,694	4,920	27,108
Peoples Rep of China -----	0	456	18	72
Poland -----	11,005	0	0	0
Romania -----	6,731	52	52	0
Republic of South Africa ----	0	0	0	0
Korea, Republic of -----	487,380	375,727	56,255	107,904
Trinidad and Tobago -----	63	0	0	0
Venezuela -----	57,246	59,756	4,662	3,878
Yugoslavia -----	0	32	5	35
<b>Total-----</b>	<b>5,839,054</b>	<b>5,261,165</b>	<b>847,365</b>	<b>671,070</b>
<b>Other countries:</b>				
Canada -----	856,040	858,289	152,297	136,761
New Zealand -----	29,118	61,556	19,597	20,561
Taiwan -----	78,901	48,988	5,463	13,538
Argentina -----	243,388	27,348	1,490	7,876
Sweden -----	51,007	21,448	4,365	3,709
Norway -----	14,466	20,341	2,394	2,744
United Arab Emirates -----	0	2,078	2,078	0
Jamamica -----	0	538	0	185
Indonesia -----	20,138	368	160	0
Costa Rica -----	0	287	0	66
All others-----	53,269	438	5	76
<b>Total-----</b>	<b>1,346,327</b>	<b>1,041,679</b>	<b>187,849</b>	<b>185,516</b>
<b>Grand total-----</b>	<b>7,185,381</b>	<b>6,302,844</b>	<b>1,035,214</b>	<b>856,586</b>

See footnote(s) at end of table.

Table 12.--Carbon and certain alloy <sup>1/</sup> steel sheet and strip: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	90,392	96,817	20,398	5,384
Austria -----	31,089	18,681	1,002	2,490
Brazil -----	111,040	149,482	31,895	4,609
Czechoslovakia -----	0	3	0	0
East Germany -----	18,100	9,790	2,694	3,275
EC countries-----	1,045,288	951,315	126,992	97,561
Finland -----	32,525	22,393	5,793	5,862
Hungary -----	3,751	3,739	607	0
Japan -----	1,211,321	1,198,546	214,664	174,343
Mexico -----	77,632	69,852	3,211	17,402
Peoples Rep of China -----	0	211	7	45
Poland -----	5,049	0	0	0
Romania -----	2,176	36	36	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	209,663	163,713	23,365	46,774
Trinidad and Tobago -----	19	0	0	0
Venezuela -----	22,121	26,436	2,089	1,946
Yugoslavia -----	0	17	3	26
<b>Total-----</b>	<b>2,860,166</b>	<b>2,711,031</b>	<b>432,756</b>	<b>359,717</b>
<b>Other countries:</b>				
Canada -----	381,804	403,293	72,715	63,400
New Zealand -----	11,315	27,435	8,266	8,970
Taiwan -----	31,494	22,887	2,362	7,900
Argentina -----	92,033	14,390	613	3,169
Sweden -----	39,376	28,193	6,456	3,427
Norway -----	7,909	12,185	1,582	1,667
United Arab Emirates -----	0	926	926	0
Jamamica -----	0	378	0	136
Indonesia -----	7,569	215	76	0
Costa Rica -----	0	228	0	56
All others-----	21,590	528	2	78
<b>Total-----</b>	<b>593,090</b>	<b>510,658</b>	<b>92,998</b>	<b>88,803</b>
<b>Grand total-----</b>	<b>3,453,256</b>	<b>3,221,689</b>	<b>525,754</b>	<b>448,520</b>

<sup>1/</sup> 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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	826	1,433	36	0
Austria -----	693	541	169	90
Brazil -----	96,561	50,035	12,884	8,845
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	260,337	323,125	45,897	31,662
Finland -----	4,081	4,080	1,003	934
Hungary -----	146	0	0	0
Japan -----	107,959	131,880	26,529	13,886
Mexico -----	22,813	16,066	642	1,485
Peoples Rep of China -----	3,441	3,916	386	617
Poland -----	1,282	2,648	974	373
Romania -----	29	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	74,249	62,652	19,730	10,130
Trinidad and Tobago -----	15,404	16,501	4,305	7,913
Venezuela -----	19,962	10,391	0	3,438
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>607,783</b>	<b>623,268</b>	<b>112,555</b>	<b>79,373</b>
<b>Other countries:</b>				
Canada -----	429,634	398,631	79,759	56,694
Turkey -----	102,560	109,153	35,268	6,446
Argentina -----	50,982	48,289	9,695	5,963
Norway -----	36,346	30,234	6,312	0
Singapore -----	19,311	20,159	4,676	1,861
Taiwan -----	32,265	11,752	7,062	90
India -----	11,249	10,492	923	2,930
Sweden -----	9,099	3,385	932	879
Indonesia -----	54,015	3,133	1,222	0
Dominican Republic -----	0	3,112	0	0
All others-----	7,867	2,699	461	203
<b>Total-----</b>	<b>753,328</b>	<b>641,039</b>	<b>146,310</b>	<b>75,066</b>
<b>Grand total-----</b>	<b>1,361,111</b>	<b>1,264,307</b>	<b>258,865</b>	<b>154,439</b>

See footnote(s) at end of table.

Table 13.--Carbon and certain alloy <sup>1/</sup> steel bars and light shapes: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	332	669	11	0
Austria -----	667	1,024	289	175
Brazil -----	29,058	22,335	4,407	4,141
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	133,388	169,448	22,628	16,968
Finland -----	2,705	3,241	710	1,067
Hungary -----	63	0	0	0
Japan -----	49,339	73,081	13,842	9,008
Mexico -----	8,588	5,814	231	688
Peoples Rep of China -----	1,314	1,526	139	365
Poland -----	845	1,517	527	216
Romania -----	103	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	20,439	19,087	5,707	3,157
Trinidad and Tobago -----	3,968	5,232	1,688	2,203
Venezuela -----	5,392	3,868	0	924
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>256,201</b>	<b>306,842</b>	<b>50,179</b>	<b>38,912</b>
<b>Other countries:</b>				
Canada -----	186,448	173,249	34,290	25,167
Turkey -----	28,951	32,827	10,201	1,795
Argentina -----	16,442	18,563	3,841	2,191
Norway -----	8,963	8,213	1,678	0
Singapore -----	5,104	7,950	2,147	536
Taiwan -----	10,022	4,724	2,816	40
India -----	3,952	4,650	390	1,446
Sweden -----	5,737	3,160	790	1,355
Indonesia -----	14,691	862	339	0
Dominican Republic -----	0	821	0	0
All others -----	2,726	1,257	215	181
<b>Total-----</b>	<b>283,036</b>	<b>256,276</b>	<b>56,707</b>	<b>32,711</b>
<b>Grand total-----</b>	<b>539,237</b>	<b>563,118</b>	<b>106,886</b>	<b>71,623</b>

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

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

Table 14.--Carbon and certain alloy  $\frac{1}{2}$  steel wire rod: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	9,551	10,783	4,037	2,085
Austria -----	601	1,108	107	0
Brazil -----	58,383	57,858	16,700	11,595
Czechoslovakia -----	13,661	2,197	0	0
East Germany -----	16,306	12,583	4,352	3,229
EC countries -----	290,286	212,925	38,796	32,847
Finland -----	2,237	108	108	0
Hungary -----	0	67	0	0
Japan -----	276,003	201,891	44,086	29,220
Mexico -----	58,389	32,373	5,675	9,430
Peoples Rep of China -----	27	25	25	0
Poland -----	7,606	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	875	176	45	0
Trinidad and Tobago -----	11,312	29,203	0	12,059
Venezuela -----	8,916	2,065	0	1,648
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>754,153</b>	<b>563,362</b>	<b>113,931</b>	<b>102,113</b>
<b>Other countries:</b>				
Canada -----	360,096	400,938	70,059	72,717
Turkey -----	126,791	75,596	0	27,871
Indonesia -----	84,414	29,923	4,403	0
Singapore -----	81,904	29,776	5,089	5,197
Sweden -----	18,464	15,095	2,564	1,207
Taiwan -----	16,843	10,071	3,626	224
Egypt -----	11,114	3,157	23	0
Argentina -----	0	276	0	738
United Arab Emirates -----	0	179	0	0
India -----	0	22	0	0
All others -----	20,843	19	0	0
<b>Total-----</b>	<b>720,469</b>	<b>565,052</b>	<b>85,764</b>	<b>107,954</b>
<b>Grand total-----</b>	<b>1,474,622</b>	<b>1,128,414</b>	<b>199,695</b>	<b>210,067</b>

See footnote(s) at end of table.



Table 14.--Carbon and certain alloy  $\frac{1}{2}$  steel wire rod: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	2,103	2,439	872	565
Austria -----	248	297	35	0
Brazil -----	16,380	16,652	4,505	3,268
Czechoslovakia -----	3,234	549	0	0
East Germany -----	3,547	3,014	1,060	778
EC countries -----	109,528	82,681	14,079	11,805
Finland -----	741	35	35	0
Hungary -----	0	30	0	0
Japan -----	124,039	96,067	20,250	13,902
Mexico -----	15,344	8,234	1,400	2,566
Peoples Rep of China -----	9	7	7	0
Poland -----	1,612	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	389	112	33	0
Trinidad and Tobago -----	3,293	8,770	0	3,453
Venezuela -----	2,000	594	0	434
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>282,467</b>	<b>219,481</b>	<b>42,276</b>	<b>36,771</b>
<b>Other countries:</b>				
Canada -----	130,836	145,073	25,367	26,102
Turkey -----	32,337	20,896	0	7,248
Indonesia -----	20,363	8,363	1,198	0
Singapore -----	21,983	9,390	1,474	1,678
Sweden -----	9,831	12,842	1,943	1,103
Taiwan -----	6,764	4,247	1,575	87
Egypt -----	2,650	920	7	0
Argentina -----	0	137	0	220
United Arab Emirates -----	0	149	0	0
India -----	0	11	0	0
All others-----	4,578	6	0	0
<b>Total-----</b>	<b>229,342</b>	<b>202,034</b>	<b>31,564</b>	<b>36,438</b>
<b>Grand total-----</b>	<b>511,809</b>	<b>421,515</b>	<b>73,840</b>	<b>73,209</b>

<sup>1/</sup> 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  $\frac{1}{2}$  steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	4,488	4,189	576	321
Austria -----	1,731	1,782	331	181
Brazil -----	14,128	9,397	2,057	2,527
Czechoslovakia -----	0	24	0	0
East Germany -----	0	0	0	0
EC countries-----	168,480	139,816	23,432	20,577
Finland -----	476	368	52	190
Hungary -----	0	0	0	0
Japan -----	78,468	67,924	10,748	12,419
Mexico -----	2,712	1,407	421	192
Peoples Rep of China -----	9,720	12,165	1,270	2,527
Poland -----	116	201	19	38
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	7,736	7,512	1,450	746
Trinidad and Tobago -----	1,060	0	0	0
Venezuela -----	5,996	5,906	234	962
Yugoslavia -----	3	0	0	0
<b>Total-----</b>	<b>295,114</b>	<b>250,691</b>	<b>40,590</b>	<b>40,680</b>
<b>Other countries:</b>				
Canada -----	193,243	183,779	35,209	29,075
Argentina -----	2,491	11,276	980	1,772
Sweden -----	7,532	7,601	1,409	1,396
India -----	4,108	5,266	805	1,051
Chile -----	2,146	3,630	251	282
Taiwan -----	4,897	3,548	491	815
Ecuador -----	1,430	2,134	356	20
Switzerland -----	2,591	1,653	459	217
Norway -----	1,312	1,328	108	348
Hong Kong -----	9	763	0	0
All others-----	4,856	1,315	206	123
<b>Total-----</b>	<b>224,615</b>	<b>222,293</b>	<b>40,274</b>	<b>35,099</b>
<b>Grand total-----</b>	<b>519,729</b>	<b>472,984</b>	<b>80,864</b>	<b>75,779</b>

See footnote(s) at end of table.

Table 15.--Carbon and certain alloy 1/ steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	2,018	1,844	243	131
Austria -----	2,584	2,976	427	378
Brazil -----	6,207	5,122	1,024	1,205
Czechoslovakia -----	0	16	0	0
East Germany -----	0	0	0	0
EC countries -----	141,210	126,019	21,549	19,033
Finland -----	231	198	14	118
Hungary -----	0	0	0	0
Japan -----	61,637	57,930	8,973	11,028
Mexico -----	1,320	914	234	129
Peoples Rep of China -----	4,165	5,530	533	1,141
Poland -----	59	129	9	17
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	4,667	4,890	944	494
Trinidad and Tobago -----	354	0	0	0
Venezuela -----	3,096	3,410	167	560
Yugoslavia -----	9	0	0	0
<b>Total-----</b>	<b>227,557</b>	<b>208,978</b>	<b>34,117</b>	<b>34,234</b>
<b>Other countries:</b>				
Canada -----	109,405	112,002	20,678	18,331
Argentina -----	1,245	5,051	428	813
Sweden -----	10,678	9,482	2,023	1,647
India -----	1,518	1,974	283	399
Chile -----	946	2,041	120	178
Taiwan -----	2,903	3,186	452	610
Ecuador -----	652	1,059	167	11
Switzerland -----	1,525	1,062	297	130
Norway -----	1,177	1,095	100	267
Hong Kong -----	2	346	0	0
All others -----	1,291	726	104	45
<b>Total-----</b>	<b>131,342</b>	<b>138,024</b>	<b>24,652</b>	<b>22,431</b>
<b>Grand total-----</b>	<b>358,899</b>	<b>347,002</b>	<b>58,769</b>	<b>56,665</b>

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia	5	20	0	2/
Austria	956	4,043	683	684
Brazil	15,018	10,401	2,071	1,574
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	38,365	86,677	13,783	13,168
Finland	1	51	2/	2/
Hungary	0	42	0	0
Japan	23,536	52,650	6,457	10,058
Mexico	13,693	24,461	3,794	4,953
Peoples Rep of China	36,866	42,981	5,867	7,742
Poland	16,070	15,255	2,671	2,026
Romania	143	0	0	0
Republic of South Africa	1,550	730	103	0
Korea, Republic of	192,127	178,804	28,447	34,629
Trinidad and Tobago	94	0	0	81
Venezuela	1,352	16,639	1,698	2,770
Yugoslavia	7,314	5,961	856	1,003
<b>Total</b>	<b>347,090</b>	<b>438,715</b>	<b>66,430</b>	<b>78,688</b>
<b>Other countries:</b>				
Canada	98,251	114,763	17,984	18,577
Indonesia	18,621	27,489	3,914	5,559
Thailand	8,627	20,808	5,625	1,350
Taiwan	13,715	17,331	2,414	2,817
Argentina	18,002	16,702	3,127	1,977
United Arab Emirates	20,059	14,854	2,858	2,209
Turkey	23,631	10,713	2,588	2,340
Saudi Arabia	3,718	8,784	793	1,470
Chile	8,459	8,642	997	1,306
India	4,571	8,233	964	1,296
All others	7,707	16,568	1,835	3,486
<b>Total</b>	<b>225,361</b>	<b>264,887</b>	<b>43,099</b>	<b>42,387</b>
<b>Grand total</b>	<b>572,451</b>	<b>703,602</b>	<b>109,529</b>	<b>121,075</b>

See footnote(s) at end of table.

Table 16.--Carbon and certain alloy <sup>1/</sup> steel wire products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	20	37	0	8
Austria -----	1,556	8,634	1,248	1,953
Brazil -----	7,169	6,038	1,265	826
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	33,725	135,555	19,108	25,196
Finland -----	96	67	2	6
Hungary -----	0	23	0	0
Japan -----	28,992	97,473	11,755	18,545
Mexico -----	8,903	17,781	2,493	4,019
Peoples Rep of China -----	14,640	25,832	3,273	4,237
Poland -----	5,403	5,354	904	770
Romania -----	44	0	0	0
Republic of South Africa -----	792	558	84	0
Korea, Republic of -----	138,561	158,567	23,515	28,757
Trinidad and Tobago -----	27	0	0	33
Venezuela -----	387	5,224	527	964
Yugoslavia -----	3,027	2,456	284	346
<b>Total-----</b>	<b>243,342</b>	<b>463,599</b>	<b>64,458</b>	<b>85,660</b>
<b>Other countries:</b>				
Canada -----	70,198	93,747	14,163	15,407
Indonesia -----	6,881	11,595	1,471	2,412
Thailand -----	5,332	9,521	2,030	920
Taiwan -----	12,448	19,677	2,820	3,168
Argentina -----	7,943	8,930	1,577	1,101
United Arab Emirates -----	7,562	5,992	1,144	1,147
Turkey -----	8,700	5,485	1,106	1,252
Saudi Arabia -----	1,239	3,255	300	614
Chile -----	3,991	4,476	625	670
India -----	2,659	5,467	902	980
All others -----	6,778	21,186	2,969	3,946
<b>Total-----</b>	<b>133,731</b>	<b>189,331</b>	<b>29,107</b>	<b>31,617</b>
<b>Grand total-----</b>	<b>377,073</b>	<b>652,930</b>	<b>93,565</b>	<b>117,277</b>

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

<sup>2/</sup> Less than 0.5 short ton.

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

Table 17.--Carbon and certain alloy 1/ steel structural shapes and units: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990.

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	139	312	101	0
Austria -----	1,541	684	217	64
Brazil -----	20,210	11,638	4,506	2,152
Czechoslovakia -----	0	0	0	0
East Germany -----	0	92	0	0
EC countries -----	903,438	790,065	161,279	83,501
Finland -----	118	2,669	2/	0
Hungary -----	0	0	0	0
Japan -----	590,217	373,632	126,923	19,455
Mexico -----	24,912	17,588	2,326	5,801
Peoples Rep of China -----	208	874	108	0
Poland -----	14,059	20,441	0	934
Romania -----	19	168	0	16
Republic of South Africa -----	143	0	0	0
Korea, Republic of -----	169,302	81,616	19,384	897
Trinidad and Tobago -----	0	120	11	55
Venezuela -----	2/	112	2	69
Yugoslavia -----	263	0	0	0
<b>Total-----</b>	<b>1,724,569</b>	<b>1,300,011</b>	<b>314,857</b>	<b>112,944</b>
<b>Other countries:</b>				
Canada -----	338,187	249,815	47,383	48,613
Norway -----	64,361	31,897	9,383	0
Argentina -----	27,523	30,494	6,498	2,907
New Zealand -----	8,242	8,945	828	520
Taiwan -----	9,020	6,899	1,731	780
Mauritius -----	0	4,723	0	0
Indonesia -----	4,074	3,269	0	0
India -----	459	1,743	96	129
Singapore -----	3,129	1,102	127	485
Sweden -----	3,925	991	209	75
All others -----	4,979	474	94	111
<b>Total-----</b>	<b>463,899</b>	<b>340,352</b>	<b>66,349</b>	<b>53,620</b>
<b>Grand total-----</b>	<b>2,188,468</b>	<b>1,640,363</b>	<b>381,206</b>	<b>166,564</b>

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, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	135	902	277	0
Austria -----	1,865	1,780	575	323
Brazil -----	8,055	5,564	1,797	735
Czechoslovakia -----	0	0	0	0
East Germany -----	0	28	0	0
EC countries -----	356,905	308,492	63,649	32,378
Finland -----	248	4,129	1	0
Hungary -----	0	0	0	0
Japan -----	228,010	159,837	50,107	11,245
Mexico -----	11,585	8,817	1,149	4,046
Peoples Rep of China -----	154	669	76	0
Poland -----	3,587	6,446	0	297
Romania -----	11	73	0	7
Republic of South Africa -----	694	0	0	0
Korea, Republic of -----	84,018	43,704	7,719	732
Trinidad and Tobago -----	0	63	32	15
Venezuela -----	1	83	2	19
Yugoslavia -----	393	0	0	0
<b>Total-----</b>	<b>695,661</b>	<b>540,587</b>	<b>125,384</b>	<b>49,797</b>
<b>Other countries:</b>				
Canada -----	201,529	154,010	30,393	26,941
Norway -----	21,943	10,401	3,062	0
Argentina -----	7,274	10,137	1,912	1,179
New Zealand -----	8,814	10,505	951	636
Taiwan -----	5,476	6,383	1,534	733
Mauritius -----	0	1,521	0	0
Indonesia -----	1,173	971	0	0
India -----	371	1,195	64	105
Singapore -----	2,903	1,013	108	682
Sweden -----	5,413	2,805	483	233
All others -----	4,246	1,402	178	103
<b>Total-----</b>	<b>259,142</b>	<b>200,343</b>	<b>38,685</b>	<b>30,612</b>
<b>Grand total-----</b>	<b>954,803</b>	<b>740,930</b>	<b>164,069</b>	<b>80,409</b>

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	2	3,567	520	474
Austria -----	703	5,805	625	266
Brazil -----	4,553	2,942	712	427
Czechoslovakia -----	0	0	0	0
East Germany -----	1	0	0	0
EC countries -----	52,358	53,518	13,571	7,154
Finland -----	3	0	0	2/
Hungary -----	4	0	0	0
Japan -----	79,347	83,624	20,199	14,695
Mexico -----	26	380	96	6
Peoples Rep of China -----	25	455	18	43
Poland -----	0	105	36	0
Romania -----	0	0	0	0
Republic of South Africa -----	2/	20	0	13
Korea, Republic of -----	6,919	6,670	1,203	854
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	77	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total</b> -----	<b>144,018</b>	<b>157,086</b>	<b>36,980</b>	<b>23,932</b>
<b>Other countries:</b>				
Canada -----	172,077	151,966	27,363	27,523
Soviet Union -----	0	9,875	0	0
Argentina -----	6	2,579	0	2
Sweden -----	3,064	876	10	35
Taiwan -----	128	417	116	43
Colombia -----	0	77	14	15
Chile -----	0	48	2/	5
Turkey -----	0	22	0	65
Israel -----	0	20	0	0
Honduras -----	2/	9	0	0
All others-----	140	11	2/	2/
<b>Total</b> -----	<b>175,415</b>	<b>165,900</b>	<b>27,503</b>	<b>27,688</b>
<b>Grand total</b> -----	<b>319,433</b>	<b>322,986</b>	<b>64,483</b>	<b>51,620</b>

See footnote(s) at end of table.



Table 18.--Carbon and certain alloy <sup>1/</sup> steel rails and related products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	7	3,841	629	474
Austria -----	299	3,284	641	372
Brazil -----	3,751	2,544	588	353
Czechoslovakia -----	0	0	0	0
East Germany -----	5	0	0	0
EC countries -----	25,214	28,589	6,537	4,030
Finland -----	14	0	0	3
Hungary -----	25	0	0	0
Japan -----	38,835	46,028	11,008	8,085
Mexico -----	37	380	115	12
Peoples Rep of China -----	9	221	12	30
Poland -----	0	49	17	0
Romania -----	0	0	0	0
Republic of South Africa -----	1	14	0	13
Korea, Republic of -----	2,580	3,408	725	554
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	24	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total</b> -----	<b>70,801</b>	<b>88,358</b>	<b>20,272</b>	<b>13,926</b>
<b>Other countries:</b>				
Canada -----	50,140	59,757	11,780	5,179
Soviet Union -----	0	1,290	0	0
Argentina -----	17	803	0	10
Sweden -----	1,001	600	44	62
Taiwan -----	294	797	189	86
Colombia -----	0	258	46	50
Chile -----	0	25	2	3
Turkey -----	0	13	0	44
Israel -----	0	25	0	0
Honduras -----	2	4	0	0
All others -----	115	71	11	15
<b>Total</b> -----	<b>51,569</b>	<b>63,643</b>	<b>12,072</b>	<b>5,449</b>
<b>Grand total</b> -----	<b>122,370</b>	<b>152,001</b>	<b>32,344</b>	<b>19,375</b>

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

<sup>2/</sup> Less than 0.5 short ton.

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

Table 19.--Carbon and certain alloy 1/2 steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	12,375	7,022	2,991	263
Austria -----	26,408	17,756	483	6,766
Brazil -----	87,724	64,098	9,450	17,629
Czechoslovakia -----	7,164	6,156	124	1,264
East Germany -----	7,828	6,520	1,628	850
EC countries -----	488,108	504,008	103,515	79,561
Finland -----	12,755	6,000	5,165	877
Hungary -----	585	1,109	0	0
Japan -----	790,770	507,942	83,283	69,117
Mexico -----	131,349	138,081	16,084	21,575
Peoples Rep of China -----	18,422	973	2	0
Poland -----	8,048	4,658	724	1,445
Romania -----	27,284	13,778	0	1,656
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	496,059	353,671	74,599	62,473
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	19,510	20,192	4,188	7,508
Yugoslavia -----	3,732	2,226	0	1,882
<b>Total-----</b>	<b>2,138,121</b>	<b>1,654,190</b>	<b>302,236</b>	<b>272,866</b>
<b>Other countries:</b>				
Canada -----	436,372	451,459	81,742	67,693
Argentina -----	148,192	89,608	4,749	10,322
Taiwan -----	88,055	60,719	16,156	10,514
Thailand -----	148,259	34,384	18,586	0
Singapore -----	47,545	27,492	4,141	4,247
India -----	44,486	25,404	3,917	4,313
Sweden -----	26,842	21,424	2,825	3,768
Turkey -----	32,001	16,107	2,987	589
Algeria -----	21,502	9,430	369	1,228
Israel -----	12,714	9,397	2/	4,840
All others -----	105,850	35,930	12,387	4,749
<b>Total-----</b>	<b>1,111,818</b>	<b>781,354</b>	<b>147,859</b>	<b>112,263</b>
<b>Grand total-----</b>	<b>3,249,939</b>	<b>2,435,544</b>	<b>450,095</b>	<b>385,129</b>

See footnote(s) at end of table.

Table 19.--Carbon and certain alloy <sup>1/</sup> steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	4,959	3,151	1,365	604
Austria -----	23,494	13,811	430	3,426
Brazil -----	41,170	36,362	6,456	6,512
Czechoslovakia -----	3,472	2,779	74	489
East Germany -----	4,115	2,763	681	348
EC countries -----	346,165	330,377	65,073	49,906
Finland -----	5,624	2,987	2,451	440
Hungary -----	266	517	0	0
Japan -----	597,887	378,193	66,404	47,123
Mexico -----	71,872	74,372	8,835	10,910
Peoples Rep of China -----	7,066	360	2	0
Poland -----	3,115	2,105	328	578
Romania -----	11,018	5,411	0	634
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	239,742	176,982	37,127	30,526
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	7,535	8,737	1,691	3,014
Yugoslavia -----	2,036	946	0	818
<b>Total-----</b>	<b>1,369,536</b>	<b>1,039,853</b>	<b>190,917</b>	<b>155,328</b>
<b>Other countries:</b>				
Canada -----	266,692	281,447	48,827	39,979
Argentina -----	76,641	51,423	2,115	7,347
Taiwan -----	39,591	28,827	6,730	4,897
Thailand -----	58,119	14,718	7,824	0
Singapore -----	19,833	13,215	2,107	1,931
India -----	20,173	11,846	1,753	1,516
Sweden -----	23,510	23,653	2,961	4,366
Turkey -----	14,568	6,678	1,293	279
Algeria -----	5,957	2,531	129	452
Israel -----	6,218	4,759	13	2,263
All others -----	48,029	17,951	6,298	2,598
<b>Total-----</b>	<b>579,331</b>	<b>457,048</b>	<b>80,050</b>	<b>65,628</b>
<b>Grand total-----</b>	<b>1,948,867</b>	<b>1,496,901</b>	<b>270,967</b>	<b>220,956</b>

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

<sup>2/</sup> Less than 0.5 short ton.

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	282,061	274,550	50,820	49,482
Austria -----	134,200	82,507	5,280	14,316
Brazil -----	1,468,033	1,382,924	300,553	265,887
Czechoslovakia -----	37,280	25,660	124	1,264
East Germany -----	92,234	55,867	14,608	17,482
EC countries -----	6,147,884	5,530,746	919,500	645,674
Finland -----	204,209	213,588	38,859	45,028
Hungary -----	30,094	28,420	4,381	0
Japan -----	4,277,647	3,602,047	728,014	458,432
Mexico -----	478,207	451,951	38,059	134,617
Peoples Rep of China -----	68,735	61,850	7,695	11,012
Poland -----	89,325	72,268	8,890	6,570
Romania -----	102,530	49,436	1,490	1,672
Republic of South Africa -----	1,693	756	103	13
Korea, Republic of -----	1,560,497	1,178,972	221,680	222,215
Trinidad and Tobago -----	31,380	48,028	4,316	20,108
Venezuela -----	169,376	173,574	10,848	20,274
Yugoslavia -----	12,734	8,219	861	2,920
<b>Total-----</b>	<b>15,188,119</b>	<b>13,241,363</b>	<b>2,356,081</b>	<b>1,916,966</b>
<b>Other countries:</b>				
Canada -----	3,373,766	3,159,739	570,139	501,680
Argentina -----	557,969	227,661	26,601	31,557
Sweden -----	522,294	212,323	43,724	25,923
Turkey -----	307,985	211,804	40,931	37,310
Taiwan -----	243,886	159,725	37,059	28,823
India -----	99,714	104,994	6,711	20,737
Norway -----	181,502	90,181	24,092	3,323
Singapore -----	153,163	78,598	14,080	11,790
New Zealand -----	88,979	78,564	22,555	22,124
Indonesia -----	281,142	69,342	13,876	5,581
All others -----	512,272	191,835	41,769	21,066
<b>Total-----</b>	<b>6,322,672</b>	<b>4,584,766</b>	<b>841,537</b>	<b>709,914</b>
<b>Grand total-----</b>	<b>21,510,791</b>	<b>17,826,129</b>	<b>3,197,618</b>	<b>2,626,880</b>

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, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	118,320	126,499	24,006	15,190
Austria -----	70,268	52,952	4,877	9,401
Brazil -----	451,458	455,362	98,002	67,333
Czechoslovakia -----	11,986	8,844	74	489
East Germany -----	31,334	18,908	4,832	5,705
EC countries -----	2,702,007	2,591,992	424,427	312,393
Finland -----	81,482	83,209	15,824	14,206
Hungary -----	8,600	9,155	1,400	0
Japan -----	2,386,680	2,160,017	407,144	298,278
Mexico -----	220,745	216,702	19,585	53,928
Peoples Rep of China -----	27,385	34,364	4,050	5,831
Poland -----	29,711	25,514	3,368	2,478
Romania -----	36,033	17,347	597	641
Republic of South Africa -----	1,487	590	84	13
Korea, Republic of -----	743,129	604,322	105,472	112,697
Trinidad and Tobago -----	8,400	14,695	1,719	5,704
Venezuela -----	53,667	61,595	4,499	7,860
Yugoslavia -----	5,925	3,419	286	1,191
<b>Total</b> -----	<b>6,988,617</b>	<b>6,485,486</b>	<b>1,120,246</b>	<b>913,338</b>
<b>Other countries:</b>				
Canada -----	1,593,962	1,559,576	284,632	237,463
Argentina -----	221,780	109,850	10,508	16,030
Sweden -----	221,486	141,425	26,662	19,816
Turkey -----	93,038	65,996	12,639	10,617
Taiwan -----	109,041	90,727	18,478	17,525
India -----	42,731	42,851	3,395	8,239
Norway -----	55,371	33,914	7,736	2,252
Singapore -----	50,360	31,647	5,893	4,827
New Zealand -----	35,993	41,302	10,137	10,048
Indonesia -----	81,687	24,707	5,326	2,421
All others-----	192,526	89,098	19,170	12,024
<b>Total</b> -----	<b>2,697,975</b>	<b>2,231,093</b>	<b>404,576</b>	<b>341,262</b>
<b>Grand total</b> -----	<b>9,686,592</b>	<b>8,716,579</b>	<b>1,524,822</b>	<b>1,254,600</b>

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 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	73	0	0	0
Brazil -----	1,683	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	10,624	13,995	4,416	43
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	1,935	698	264	0
Mexico -----	0	176	0	91
Peoples Rep of China -----	0	0	0	0
Poland -----	74	293	241	0
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
<b>Total</b> -----	<b>14,389</b>	<b>15,162</b>	<b>4,921</b>	<b>134</b>
<b>Other countries:</b>				
Canada -----	33,527	36,556	7,377	4,583
Sweden -----	14,491	10,403	1,810	1,400
Taiwan -----	0	1/	0	1/
Israel -----	0	1/	0	0
<b>Total</b> -----	<b>48,018</b>	<b>46,959</b>	<b>9,187</b>	<b>5,983</b>
<b>Grand total</b> -----	<b>62,407</b>	<b>62,121</b>	<b>14,108</b>	<b>6,117</b>

See footnote(s) at end of table.

Table 21.--Stainless semifinished steel: U.S. imports for consumption, by specified sources 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	234	0	0	0
Brazil -----	542	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	13,120	12,572	2,849	105
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	2,906	1,413	507	0
Mexico -----	0	448	0	289
Peoples Rep of China -----	0	0	0	0
Poland -----	102	532	427	0
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
<b>Total -----</b>	<b>16,904</b>	<b>14,965</b>	<b>3,783</b>	<b>394</b>
<b>Other countries:</b>				
Canada -----	52,871	68,918	13,340	7,024
Sweden -----	23,240	23,075	3,922	2,585
Taiwan -----	0	16	0	8
Israel -----	0	5	0	0
Hong Kong -----	0	2	0	0
<b>Total -----</b>	<b>76,111</b>	<b>92,016</b>	<b>17,262</b>	<b>9,617</b>
<b>Grand total -----</b>	<b>93,015</b>	<b>106,981</b>	<b>21,045</b>	<b>10,011</b>

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia	0	0	0	0
Austria	249	197	11	6
Brazil	0	0	0	0
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	7,364	12,024	2,715	1,419
Finland	2,730	1,746	142	960
Hungary	0	0	0	0
Japan	2,225	1,542	306	353
Mexico	0	4	4	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	125	10	5	16
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
<b>Total</b>	<b>12,693</b>	<b>15,523</b>	<b>3,183</b>	<b>2,754</b>
<b>Other countries:</b>				
Sweden	2,779	2,014	287	221
Canada	371	177	136	4
Anguilla	5	0	0	0
<b>Total</b>	<b>3,155</b>	<b>2,191</b>	<b>423</b>	<b>225</b>
<b>Grand total</b>	<b>15,848</b>	<b>17,714</b>	<b>3,606</b>	<b>2,979</b>



Table 22.--Stainless steel plate: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	953	915	35	32
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	15,635	35,694	7,694	3,280
Finland -----	6,147	4,883	424	2,356
Hungary -----	0	0	0	0
Japan -----	4,514	4,544	809	945
Mexico -----	0	3	3	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 -----	50	24	13	27
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>27,299</b>	<b>46,063</b>	<b>8,978</b>	<b>6,640</b>
<b>Other countries:</b>				
Sweden -----	6,775	5,970	907	676
Canada -----	889	425	346	15
Anguilla -----	9	0	0	0
<b>Total-----</b>	<b>7,673</b>	<b>6,395</b>	<b>1,253</b>	<b>691</b>
<b>Grand total-----</b>	<b>34,972</b>	<b>52,458</b>	<b>10,231</b>	<b>7,331</b>

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	9	0	0
Austria -----	29	16	3	0
Brazil -----	313	0	0	28
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	60,758	63,478	11,993	7,844
Finland -----	6,045	1,376	264	686
Hungary -----	0	0	0	0
Japan -----	22,393	45,581	7,871	6,920
Mexico -----	8,814	14,968	1,490	2,637
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 -----	7,845	6,875	854	912
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	5	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total</b> -----	<b>106,202</b>	<b>132,303</b>	<b>22,475</b>	<b>19,027</b>
<b>Other countries:</b>				
Sweden -----	8,433	5,978	1,171	1,148
Canada -----	3,838	2,234	697	385
Singapore -----	0	4	0	0
India -----	90	0	0	0
Honduras -----	19	0	0	0
Peru -----	2	0	0	0
<b>Total</b> -----	<b>12,382</b>	<b>8,216</b>	<b>1,868</b>	<b>1,533</b>
<b>Grand total</b> -----	<b>118,584</b>	<b>140,519</b>	<b>24,343</b>	<b>20,560</b>

Table 23.--Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	12	0	0
Austria -----	136	79	13	0
Brazil -----	480	0	0	43
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	122,326	138,830	26,014	15,956
Finland -----	13,459	3,850	737	1,220
Hungary -----	0	0	0	0
Japan -----	50,112	95,498	15,915	14,385
Mexico -----	16,454	33,463	2,742	5,730
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 -----	17,343	16,561	2,078	1,624
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	21	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>220,331</b>	<b>288,293</b>	<b>47,499</b>	<b>38,958</b>
<b>Other countries:</b>				
Sweden -----	24,684	21,181	3,794	4,035
Canada -----	9,552	7,123	2,158	920
Singapore -----	0	17	0	0
India -----	172	0	0	0
Honduras -----	35	0	0	0
Peru -----	26	0	0	0
<b>Total-----</b>	<b>34,469</b>	<b>28,321</b>	<b>5,952</b>	<b>4,955</b>
<b>Grand total-----</b>	<b>254,800</b>	<b>316,614</b>	<b>53,451</b>	<b>43,913</b>

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	183	200	65	13
Brazil -----	3,827	4,497	1,076	891
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	12,705	10,400	1,718	1,938
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	16,715	20,286	2,772	2,783
Mexico -----	49	18	0	19
Peoples Rep of China -----	2	7	0	0
Poland -----	0	0	0	0
Romania -----	18	15	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,604	3,165	804	513
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>35,103</b>	<b>38,588</b>	<b>6,435</b>	<b>6,157</b>
<b>Other countries:</b>				
Sweden -----	3,708	2,727	613	379
Canada -----	1,641	1,711	194	524
India -----	224	214	42	178
Argentina -----	0	93	49	14
Taiwan -----	49	59	0	0
Switzerland -----	1/	13	1/	0
Jordan -----	0	10	0	0
Indonesia -----	0	2	2	0
Singapore -----	0	1/	0	0
Israel -----	0	1/	0	0
All others-----	1/	0	0	0
<b>Total-----</b>	<b>5,622</b>	<b>4,829</b>	<b>900</b>	<b>1,095</b>
<b>Grand total-----</b>	<b>40,725</b>	<b>43,417</b>	<b>7,335</b>	<b>7,252</b>

See footnote(s) at end of table.

Table 24.--Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	412	527	149	32
Brazil -----	5,743	10,550	2,585	2,184
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	29,888	30,443	4,665	5,245
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	40,671	63,821	8,470	8,208
Mexico -----	163	33	0	39
Peoples Rep of China -----	40	32	0	0
Poland -----	0	0	0	0
Romania -----	30	27	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	3,389	9,017	2,278	1,298
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>80,336</b>	<b>114,450</b>	<b>18,147</b>	<b>17,006</b>
<b>Other countries:</b>				
Sweden -----	8,981	8,819	1,900	1,160
Canada -----	3,608	4,540	559	1,276
India -----	420	509	90	497
Argentina -----	0	169	87	28
Taiwan -----	162	166	0	0
Switzerland -----	1	92	1	0
Jordan -----	0	41	0	0
Indonesia -----	0	53	53	0
Singapore -----	0	2	0	0
Israel -----	0	4	0	0
All others -----	3	0	0	0
<b>Total-----</b>	<b>13,175</b>	<b>14,395</b>	<b>2,690</b>	<b>2,961</b>
<b>Grand total-----</b>	<b>93,511</b>	<b>128,845</b>	<b>20,837</b>	<b>19,967</b>

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	49	88	0	0
Brazil -----	964	809	0	135
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	8,877	10,582	1,641	1,596
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	5,483	6,087	686	1,105
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 -----	375	336	64	188
Trinidad and Tobago -----	138	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	17	0	0	0
<b>Total-----</b>	<b>15,903</b>	<b>17,902</b>	<b>2,391</b>	<b>3,024</b>
<b>Other countries:</b>				
Sweden -----	3,159	3,497	501	863
Canada -----	1/	284	0	57
Argentina -----	0	15	0	0
Taiwan -----	148	0	0	0
<b>Total-----</b>	<b>3,307</b>	<b>3,796</b>	<b>501</b>	<b>920</b>
<b>Grand total-----</b>	<b>19,210</b>	<b>21,698</b>	<b>2,892</b>	<b>3,944</b>

See footnote(s) at end of table.

Table 25.--Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	68	129	0	0
Brazil -----	1,543	1,991	0	250
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	23,039	30,861	4,734	4,155
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	11,611	16,226	1,863	2,606
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 -----	552	796	161	428
Trinidad and Tobago -----	202	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	22	0	0	0
<b>Total</b> -----	<b>37,037</b>	<b>50,003</b>	<b>6,758</b>	<b>7,439</b>
<b>Other countries:</b>				
Sweden -----	7,916	11,170	1,633	2,503
Canada -----	2	787	0	168
Argentina -----	0	26	0	0
Taiwan -----	328	0	0	0
<b>Total</b> -----	<b>8,246</b>	<b>11,983</b>	<b>1,633</b>	<b>2,671</b>
<b>Grand total</b> -----	<b>45,283</b>	<b>61,986</b>	<b>8,391</b>	<b>10,110</b>

1/ Less than 0.5 short ton.

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

Table 26.--Stainless steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia	1/	1/	1/	1/
Austria	25	105	5	0
Brazil	156	849	184	24
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	8,101	7,542	1,559	963
Finland	0	7	7	0
Hungary	0	0	0	0
Japan	4,719	4,796	1,143	486
Mexico	1	6	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	986	759	164	109
Trinidad and Tobago	0	0	0	0
Venezuela	3	0	0	0
Yugoslavia	0	3	0	0
<b>Total</b>	<b>13,991</b>	<b>14,067</b>	<b>3,062</b>	<b>1,582</b>
<b>Other countries:</b>				
Sweden	2,685	2,493	512	294
Canada	2,277	2,355	372	482
Taiwan	1,221	1,099	206	141
India	209	896	129	354
Switzerland	268	337	19	17
Thailand	0	71	0	40
Singapore	1/	1/	0	1/
Hong Kong	0	1/	1/	0
<b>Total</b>	<b>6,660</b>	<b>7,251</b>	<b>1,238</b>	<b>1,328</b>
<b>Grand total</b>	<b>20,651</b>	<b>21,318</b>	<b>4,300</b>	<b>2,910</b>

See footnote(s) at end of table.



Table 26.--Stainless steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	39	81	13	16
Austria -----	117	516	25	0
Brazil -----	304	2,069	458	107
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	24,922	28,620	5,396	3,727
Finland -----	0	58	58	0
Hungary -----	0	0	0	0
Japan -----	18,705	20,748	4,265	2,125
Mexico -----	6	3	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 -----	3,044	3,042	642	412
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	11	0	0	0
Yugoslavia -----	0	4	0	0
<b>Total-----</b>	<b>47,148</b>	<b>55,141</b>	<b>10,857</b>	<b>6,387</b>
<b>Other countries:</b>				
Sweden -----	12,922	13,952	2,925	1,707
Canada -----	9,650	12,604	2,040	2,468
Taiwan -----	3,824	3,834	651	520
India -----	414	2,432	280	924
Switzerland -----	1,254	1,590	74	72
Thailand -----	0	274	0	132
Singapore -----	5	9	0	6
Hong Kong -----	0	4	4	0
<b>Total-----</b>	<b>28,069</b>	<b>34,699</b>	<b>5,974</b>	<b>5,829</b>
<b>Grand total-----</b>	<b>75,217</b>	<b>89,840</b>	<b>16,831</b>	<b>12,216</b>

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia	23	0	0	0
Austria	756	664	168	80
Brazil	0	12	0	0
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	7,081	11,955	2,183	2,379
Finland	1/	0	0	0
Hungary	0	0	0	0
Japan	8,365	9,327	1,782	1,206
Mexico	950	346	68	58
Peoples Rep of China	0	4	4	0
Poland	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	1/	0	0
Korea, Republic of	392	684	104	67
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
<b>Total</b>	<b>17,567</b>	<b>22,992</b>	<b>4,309</b>	<b>3,790</b>
<b>Other countries:</b>				
Canada	6,925	6,241	1,373	950
Sweden	5,253	4,208	506	411
Taiwan	6,809	3,135	449	1,347
Thailand	188	332	105	0
Singapore	0	315	0	119
Switzerland	1	16	5	2
Malaysia	0	13	0	0
India	4	5	0	0
Norway	0	1/	0	0
Israel	4	1/	0	0
All others	1/	0	0	0
<b>Total</b>	<b>19,184</b>	<b>14,265</b>	<b>2,438</b>	<b>2,829</b>
<b>Grand total</b>	<b>36,751</b>	<b>37,257</b>	<b>6,747</b>	<b>6,619</b>

See footnote(s) at end of table.

Table 27.--Stainless steel pipe and tube: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	135	0	0	0
Austria -----	4,157	5,246	1,246	620
Brazil -----	0	54	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	27,461	45,286	11,360	4,927
Finland -----	1	0	0	0
Hungary -----	0	0	0	0
Japan -----	31,923	52,918	9,194	7,342
Mexico -----	2,891	1,195	144	237
Peoples Rep of China -----	0	12	12	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	4	0	0
Korea, Republic of -----	1,255	2,570	199	268
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>67,823</b>	<b>107,285</b>	<b>22,155</b>	<b>13,394</b>
<b>Other countries:</b>				
Canada -----	24,048	30,786	6,195	5,031
Sweden -----	22,285	22,758	2,327	2,349
Taiwan -----	21,308	12,587	1,842	4,794
Thailand -----	458	874	224	0
Singapore -----	0	1,060	0	378
Switzerland -----	177	212	42	45
Malaysia -----	0	45	0	0
India -----	17	20	0	0
Norway -----	0	7	0	0
Israel -----	77	3	0	0
All others -----	2	0	0	0
<b>Total-----</b>	<b>68,372</b>	<b>68,352</b>	<b>10,630</b>	<b>12,597</b>
<b>Grand total-----</b>	<b>136,195</b>	<b>175,637</b>	<b>32,785</b>	<b>25,991</b>

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	18	0	0
Austria -----	2,538	2,709	699	556
Brazil -----	1,920	2,052	473	287
Czechoslovakia -----	21	33	0	0
East Germany -----	4	0	0	0
EC countries -----	12,825	16,254	3,331	2,227
Finland -----	5	0	0	0
Hungary -----	0	0	0	0
Japan -----	4,416	5,543	761	587
Mexico -----	346	137	45	7,609
Peoples Rep of China -----	103	167	0	0
Poland -----	249	225	60	85
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	779	1,167	423	115
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	68	0	0
Yugoslavia -----	0	0	0	0
<b>Total</b> -----	<b>23,206</b>	<b>28,373</b>	<b>5,792</b>	<b>11,466</b>
<b>Other countries:</b>				
Sweden -----	12,254	10,867	1,927	1,120
Canada -----	8,573	8,963	1,421	1,303
Argentina -----	42	98	32	0
Soviet Union -----	0	10	0	0
Israel -----	0	1/	0	0
India -----	19	1/	1/	0
Switzerland -----	1/	1/	0	0
<b>Total</b> -----	<b>20,888</b>	<b>19,938</b>	<b>3,380</b>	<b>2,423</b>
<b>Grand total</b> -----	<b>44,094</b>	<b>48,311</b>	<b>9,172</b>	<b>13,889</b>

See footnote(s) at end of table.

Table 28.--Alloy tool steel (all forms): U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	41	0	0
Austria -----	6,561	7,507	1,586	1,571
Brazil -----	3,560	3,481	894	675
Czechoslovakia -----	33	46	0	0
East Germany -----	6	0	0	0
EC countries -----	23,213	31,615	4,972	5,014
Finland -----	15	0	0	0
Hungary -----	0	0	0	0
Japan -----	14,883	11,142	1,359	2,063
Mexico -----	434	183	87	1,927
Peoples Rep of China -----	149	219	0	0
Poland -----	468	567	115	285
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,303	1,979	460	241
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	86	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>50,625</b>	<b>56,866</b>	<b>9,473</b>	<b>11,776</b>
<b>Other countries:</b>				
Sweden -----	30,589	30,000	4,903	2,799
Canada -----	12,019	12,883	1,835	2,119
Argentina -----	65	165	50	0
Soviet Union -----	0	8	0	0
Israel -----	0	10	0	0
India -----	16	4	4	0
Switzerland -----	2	1	0	0
<b>Total-----</b>	<b>42,691</b>	<b>43,071</b>	<b>6,792</b>	<b>4,918</b>
<b>Grand total-----</b>	<b>93,316</b>	<b>99,937</b>	<b>16,265</b>	<b>16,694</b>

1/ Less than 0.5 short ton.

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

Table 29. Total, stainless and alloy tool steel products: U.S. imports for consumption, by principal sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--February	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia	24	28	1/	1/
Austria	3,901	3,979	950	650
Brazil	8,863	8,218	1,732	1,360
Czechoslovakia	21	33	0	0
East Germany	4	0	0	0
EC countries	128,336	146,230	29,555	18,400
Finland	8,780	3,128	414	1,640
Hungary	0	0	0	0
Japan	66,251	93,860	15,585	13,440
Mexico	10,160	15,654	1,607	10,410
Peoples Rep of China	106	178	4	0
Poland	323	518	300	80
Romania	18	15	0	0
Republic of South Africa	0	1/	0	0
Korea, Republic of	12,105	12,998	2,418	1,920
Trinidad and Tobago	138	0	0	0
Venezuela	7	68	0	0
Yugoslavia	17	3	0	0
<b>Total</b>	<b>239,054</b>	<b>284,925</b>	<b>52,565</b>	<b>47,930</b>
<b>Other countries:</b>				
Canada	57,153	58,521	11,570	8,280
Sweden	52,761	42,184	7,327	5,830
Taiwan	8,227	4,294	655	1,480
India	546	1,116	171	530
Thailand	188	403	105	40
Switzerland	270	366	24	10
Singapore	1/	320	0	110
Argentina	42	206	81	10
Malaysia	0	13	0	0
Soviet Union	0	10	0	0
All others	31	14	2	0
<b>Total</b>	<b>119,488</b>	<b>107,447</b>	<b>19,935</b>	<b>16,330</b>
<b>Grand total</b>	<b>358,542</b>	<b>392,372</b>	<b>72,500</b>	<b>64,260</b>

See footnote(s) at end of table.

Table 29.--Total, stainless and alloy tool steel products: U.S. imports for consumption, by principal sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--February	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	174	133	13	16
Austria -----	12,639	14,919	3,053	2,254
Brazil -----	12,173	18,144	3,936	3,259
Czechoslovakia -----	33	46	0	0
East Germany -----	6	0	0	0
EC countries -----	279,603	353,921	67,685	42,408
Finland -----	19,623	8,791	1,218	3,576
Hungary -----	0	0	0	0
Japan -----	175,325	266,312	42,382	37,673
Mexico -----	19,948	35,327	2,976	8,222
Peoples Rep of China -----	189	263	12	0
Poland -----	570	1,099	541	285
Romania -----	30	27	0	0
Republic of South Africa -----	0	4	0	0
Korea, Republic of -----	26,936	33,988	5,831	4,297
Trinidad and Tobago -----	202	0	0	0
Venezuela -----	32	86	0	0
Yugoslavia -----	22	4	0	0
<b>Total-----</b>	<b>547,505</b>	<b>733,064</b>	<b>127,647</b>	<b>101,990</b>
<b>Other countries:</b>				
Canada -----	112,639	138,065	26,473	19,021
Sweden -----	137,391	136,924	22,311	17,814
Taiwan -----	25,622	16,604	2,494	5,322
India -----	1,039	2,965	374	1,421
Thailand -----	458	1,148	224	132
Switzerland -----	1,434	1,895	117	117
Singapore -----	5	1,088	0	384
Argentina -----	65	360	137	28
Malaysia -----	0	45	0	0
Soviet Union -----	0	8	0	0
All others -----	152	129	57	0
<b>Total-----</b>	<b>278,805</b>	<b>299,231</b>	<b>52,187</b>	<b>44,239</b>
<b>Grand total-----</b>	<b>826,310</b>	<b>1,032,295</b>	<b>179,834</b>	<b>146,229</b>

1/ Less than 0.5 short tons

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

Table 30.--Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, 1988, 1989, and by specified periods, 1989 and 1990

(Per short ton)

Item	1988	1989	January-February	
			1989	1990
Carbon and certain alloy 1/2 steel:				
Semifinished 2/3-----	240	259	260	228
Plate-----	405	400	401	391
Sheet and strip:				
Hot rolled-----	364	378	390	361
Cold rolled-----	509	546	548	576
Galvanized-----	552	587	557	598
Tin plate-----	567	613	595	618
Tin free-----	542	574	579	575
Other coated-----	590	616	598	637
Average, sheet and strip-----	481	511	508	524
Bar:				
Hot finished-----	406	454	432	460
Cold finished-----	598	658	630	715
Reinforcing-----	262	308	291	321
Light shapes-----	382	349	352	359
Average, bar-----	396	445	413	464
Wire rod-----	347	374	370	349
Wire-----	691	734	727	748
Wire products-----	659	928	854	969
Structural shapes and units:				
Heavy structurals-----	376	377	376	369
Fabricated structurals-----	939	1,129	1,052	1,206
Average, structurals-----	436	452	430	483
Rails and related products-----	383	471	502	375
Pipe and tube:				
Oil country tubular goods-----	730	743	731	692
Line pipe-----	529	563	575	495
Mechanical pipe-----	675	787	699	842
Structural pipe-----	507	563	568	556
Pressure tubing-----	793	1,021	720	1,299
Other (incl. standard)-----	487	520	495	503
Average, pipe and tube-----	600	615	602	574
Average, carbon and certain alloy 1/2 steel-----	450	489	477	478

See footnotes at end of table.



Table 30.--Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, 1988, 1989, and by specified periods, 1989 and 1990

(Per short ton)

Item	1988	1989	January-February	
			1989	1990
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished <sup>1/2</sup>	1,490	1,722	1,492	1,636
Plate	2,207	2,962	2,837	2,461
Sheet and strip:				
Sheet	2,067	2,084	2,023	1,947
Strip	3,331	3,255	3,046	3,117
Average, sheet and strip:	2,149	2,253	2,196	2,136
Bars and shapes	2,296	2,968	2,842	2,753
Wire rod	2,357	2,857	2,901	2,563
Wire	3,642	4,214	3,915	4,200
Pipe and tube	3,706	4,714	4,859	3,927
Alloy tool steel (all forms):	2,116	2,069	1,773	1,202
Average, stainless and alloy steel	2,306	2,631	2,480	2,275

<sup>1/</sup> Including alloy steel other than stainless or tool steel.

<sup>2/</sup> 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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988		1989		January-February	
	1988	1989	1989	1990	1989	1990
Quantity (short tons)						
Carbon and certain alloy <sup>3/</sup> steel:						
Semifinished <sup>2/</sup>						
Ingots-----	103,282	25,863	2,536	552		
Blooms and billets-----	581,907	504,638	114,437	64,956		
Slabs and sheet bars-----	2,097,383	1,605,189	231,401	366,973		
Total-----	2,782,572	2,135,690	348,374	432,481		
Plate:						
Carbon-----	1,750,917	1,312,364	252,704	159,419		
Alloy-----	106,172	107,032	16,585	13,723		
Total-----	1,857,090	1,419,396	269,289	173,142		
Sheet and strip:						
Hot rolled:						
Sheet-----	2,199,268	1,835,755	294,584	238,876		
Strip-----	49,553	110,452	21,251	14,418		
Cold rolled:						
Black plate-----	145,166	144,642	27,154	19,443		
Electrical-----	64,684	85,328	18,262	9,897		
Other sheet-----	2,011,242	1,701,183	269,717	196,765		
Other strip-----	126,534	112,196	21,426	18,677		
Galvanized-----	1,948,811	1,625,227	247,233	265,276		
Tin plate-----	294,552	337,330	67,785	42,050		
Tin free-----	97,460	114,902	21,475	19,218		
Other coated-----	248,111	235,827	46,329	31,965		
Total-----	7,185,380	6,302,844	1,035,216	856,587		
Bar:						
Hot rolled:						
Carbon-----	476,951	525,944	89,802	69,332		
Alloy-----	186,902	238,912	47,769	29,836		
Cold rolled:						
Carbon-----	161,345	118,180	23,206	13,724		
Alloy-----	52,093	46,608	8,723	6,109		
Reinforcing-----	357,253	233,733	68,170	23,087		
Light structural shapes-----	126,568	100,927	21,195	12,352		
Total-----	1,361,113	1,264,305	258,865	154,440		

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, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January-February	
			1989	1990
Quantity (short tons)				
Wire rod and related products:				
Wire rod:				
Carbon-----	1,355,951	1,085,797	192,237	207,304
Alloy-----	118,672	42,620	7,458	2,763
Wire:				
Carbon-----	486,699	432,369	74,368	68,569
Alloy-----	33,028	40,615	6,496	7,208
Wire products:				
Nails-----	364,748	384,737	59,934	72,114
Barbed wire-----	15,538	12,440	2,463	2,459
Wire fencing-----	12,052	60,907	9,265	7,859
Bale ties-----	1,849	955	310	189
Wire strand-----	88,300	161,751	24,524	28,410
Wire rope-----	77,564	82,812	13,033	10,045
Milliners wire-----	12,400	0	0	1/
Total-----	2,566,801	2,305,004	390,088	406,920
Structurals:				
Heavy-----	1,955,762	1,477,782	350,540	143,967
Fabricated-----	232,705	162,579	30,667	22,596
Total-----	2,188,467	1,640,361	381,208	166,563
Rails and related products:				
Rails-----	260,006	244,236	47,142	47,168
Joint bars and tie plates-----	8,487	14,023	3,096	790
Track spikes-----	205	5,853	1,613	706
Wheels and axles-----	50,734	58,873	12,634	2,955
Total-----	319,432	322,985	64,484	51,619
Pipes and tubes:				
Oil country tubular goods-----	1,032,296	429,448	82,541	56,993
Line pipe-----	507,914	526,983	73,521	76,350
Mechanical pipe-----	382,270	281,056	73,364	27,965
Structural pipe-----	278,870	323,918	65,156	52,170
Pressure tubing-----	52,100	44,944	14,036	5,980
Other (including standard)-----	996,487	829,195	141,475	165,671
Total-----	3,249,937	2,435,544	450,093	385,130

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, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January-February	
			1989	1990
Quantity (short tons)				
<b>Stainless and alloy tool steel:</b>				
<b>Stainless:</b>				
<b>Semifinished:</b>				
Ingots-----	3,877	191	12	9
Blooms and billets-----	40,772	42,268	9,349	4,825
Slabs and sheet bars-----	17,758	19,663	4,748	1,285
<b>Total-----</b>	<b>62,407</b>	<b>62,121</b>	<b>14,108</b>	<b>6,118</b>
<b>Plate-----</b>	<b>15,847</b>	<b>17,713</b>	<b>3,606</b>	<b>2,979</b>
<b>Sheet and strip:</b>				
<b>Sheet:</b>				
Hot rolled-----	7,331	8,070	2,330	777
Cold rolled-----	103,577	112,191	17,901	16,463
Strip-----	7,676	20,258	4,112	3,320
<b>Total-----</b>	<b>118,584</b>	<b>140,519</b>	<b>24,343</b>	<b>20,561</b>
Bars and shapes-----	40,724	43,417	7,332	7,252
Wire rod-----	19,210	21,698	2,893	3,945
Wire-----	20,653	21,319	4,299	2,909
Pipe and tube-----	36,752	37,258	6,748	6,619
<b>Alloy tool steel (all forms):</b>				
Semifinished 2/-----	4,408	1,005	67	33
Bars-----	28,867	1,576	297	7,807
Other-----	10,820	45,732	8,807	6,049
<b>Total-----</b>	<b>44,095</b>	<b>48,313</b>	<b>9,171</b>	<b>13,889</b>

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January-February	
			1989	1990
Share of product group totals (percent)				
Carbon and certain alloy <u>3</u> / steel:				
Semifinished <u>2</u> / Ingots-----	3.71	1.21	0.73	0.13
Blooms and billets-----	20.91	23.63	32.85	15.02
Slabs and sheet bars-----	75.38	75.16	66.42	84.85
Total-----	100.00	100.00	100.00	100.00
Plate:				
Carbon-----	94.28	92.46	93.84	92.07
Alloy-----	5.72	7.54	6.16	7.93
Total-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Hot rolled:				
Sheet-----	30.61	29.13	28.46	27.89
Strip-----	0.69	1.75	2.05	1.68
Cold rolled:				
Black plate-----	2.02	2.29	2.62	2.27
Electrical-----	0.90	1.35	1.76	1.16
Other sheet-----	27.99	26.99	26.05	22.97
Other strip-----	1.76	1.78	2.07	2.18
Galvanized-----	27.12	25.79	23.88	30.97
Tin plate-----	4.10	5.35	6.55	4.91
Tin free-----	1.36	1.82	2.07	2.24
Other coated-----	3.45	3.74	4.48	3.73
Total-----	100.00	100.00	100.00	100.00
Bar:				
Hot rolled:				
Carbon-----	35.04	41.60	34.69	44.89
Alloy-----	13.73	18.90	18.45	19.32
Cold rolled:				
Carbon-----	11.85	9.35	8.96	8.89
Alloy-----	3.83	3.69	3.37	3.96
Reinforcing-----	26.25	18.49	26.33	14.95
Light structural shapes-----	9.30	7.98	8.19	8.00
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, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January-February	
			1989	1990
Share of product group totals (percent)				
Wire rod and related products:				
Wire rod:				
Carbon-----	52.83	47.11	49.28	50.94
Alloy-----	4.62	1.85	1.91	0.68
Wire:				
Carbon-----	18.96	18.76	19.06	16.85
Alloy-----	1.29	1.76	1.67	1.77
Wire products:				
Nails-----	14.21	16.69	15.36	17.72
Barbed wire-----	0.61	0.54	0.63	0.60
Wire fencing-----	0.47	2.64	2.38	1.93
Bale ties-----	0.07	0.04	0.08	0.05
Wire strand-----	3.44	7.02	6.29	6.98
Wire rope-----	3.02	3.59	3.34	2.47
Milliners wire-----	0.48	0.00	0.00	1/
Total-----	100.00	100.00	100.00	100.00
Structurals:				
Heavy-----	89.37	90.09	91.96	86.43
Fabricated-----	10.63	9.91	8.04	13.57
Total-----	100.00	100.00	100.00	100.00
Rails and related products:				
Rails-----	81.40	75.62	73.11	91.38
Joint bars and tie plates-----	2.66	4.34	4.80	1.53
Track spikes-----	0.06	1.81	2.50	1.37
Wheels and axles-----	15.88	18.23	19.59	5.72
Total-----	100.00	100.00	100.00	100.00
Pipes and tubes:				
Oil country tubular goods-----	31.76	17.63	18.34	14.80
Line pipe-----	15.63	21.64	16.33	19.82
Mechanical pipe-----	11.76	11.54	16.30	7.26
Structural pipe-----	8.58	13.30	14.48	13.55
Pressure tubing-----	1.60	1.85	3.12	1.55
Other (including standard)-----	30.66	34.05	31.43	43.02
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, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January-February	
			1989	1990
Share of product group totals (percent)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	6.21	0.31	0.08	0.14
Blooms and billets-----	65.33	68.04	66.26	78.86
Slabs and sheet bars-----	28.45	31.65	33.65	21.00
Total-----	100.00	100.00	100.00	100.00
Plate-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Sheet:				
Hot rolled-----	6.18	5.74	9.57	3.78
Cold rolled-----	87.34	79.84	73.54	80.07
Strip-----	6.47	14.42	16.89	16.15
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	99.99	99.99
Wire-----	100.00	100.00	100.01	100.01
Pipe and tube-----	100.00	100.00	100.00	100.00
Alloy tool steel (all forms):				
Semifinished <sup>2/</sup> -----	10.00	2.08	0.73	0.24
Bars-----	65.47	3.26	3.24	56.21
Other-----	24.54	94.66	96.03	43.55
Total-----	100.00	100.00	100.00	100.00

<sup>1/</sup> Milliners wire is included in total wire products.

<sup>2/</sup> Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.

<sup>3/</sup> 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, 1988, 1989, and by  
 specified periods, 1989 and 1990

(Short tons)

Item	1988	1989	January-February	
			1989	1990
Atlantic Coast-----	4,743,215	3,510,909	894,205	525,791
Great Lakes-Canadian border----	6,342,613	5,688,226	642,145	545,693
Gulf Coast-Mexican border-----	5,938,464	4,561,954	954,920	748,973
Off-shore-----	403,506	371,695	91,433	40,729
Pacific Coast-----	4,441,267	4,085,702	687,415	829,966
Total-----	21,869,065	18,218,486	3,270,118	2,691,152

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, 1988, 1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1988	1989	January-February	
			1989	1990
<b>Carbon and certain alloy 1/ steel:</b>				
Semifinished 2/-----	471,964	323,401	97,057	49,716
Plate-----	331,537	216,546	56,405	30,444
Sheet and strip-----	1,771,637	1,281,884	347,788	214,382
Bars and certain shapes-----	220,708	155,134	45,824	19,968
Wire rod-----	297,606	215,013	52,942	32,112
Wire-----	108,857	88,009	14,780	13,848
Wire products-----	220,011	237,679	40,208	41,895
Structural shapes and units--	602,240	458,130	128,440	36,812
Rails and related products--	36,885	35,669	4,055	3,222
Pipe and tube-----	523,784	340,606	72,958	59,114
<b>Total-----</b>	<b>4,585,229</b>	<b>3,352,071</b>	<b>860,456</b>	<b>501,512</b>
<b>Stainless and alloy tool steel:</b>				
<b>Stainless steel:</b>				
Semifinished 2/-----	24,249	14,669	5,669	1,417
Plate-----	6,134	8,900	1,951	1,228
Sheet and strip-----	45,874	47,438	10,187	7,902
Bars and certain shapes-----	22,371	22,418	4,133	2,912
Wire rod-----	13,526	16,289	2,328	2,767
Wire-----	10,593	11,848	2,317	1,339
Pipe and tube-----	12,391	14,468	1,857	3,220
<b>Tool steel (all forms)-----</b>	<b>22,848</b>	<b>22,807</b>	<b>5,306</b>	<b>3,493</b>
<b>Total-----</b>	<b>157,986</b>	<b>158,838</b>	<b>33,748</b>	<b>24,279</b>
<b>Grand Total-----</b>	<b>4,743,215</b>	<b>3,510,909</b>	<b>894,205</b>	<b>525,791</b>

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, 1988, 1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1988	1989	January-February	
			1989	1990
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	414,978	393,604	9,812	8,726
Plate-----	723,681	551,017	52,793	36,512
Sheet and strip-----	2,396,464	2,145,556	179,501	158,936
Bars and certain shapes-----	625,771	650,140	87,182	60,956
Wire rod-----	545,070	466,968	72,989	73,896
Wire-----	253,271	230,319	42,812	36,800
Wire products-----	83,750	106,485	16,419	16,657
Structural shapes and units--	522,423	375,682	47,676	48,702
Rails and related products--	179,981	161,932	27,278	20,351
Pipe and tube-----	488,579	492,836	86,405	68,969
Total-----	6,233,970	5,574,539	622,867	530,504
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	34,966	36,980	7,801	4,584
Plate-----	3,246	2,652	283	718
Sheet and strip-----	33,923	35,682	5,169	3,806
Bars and certain shapes-----	4,098	4,337	366	1,377
Wire rod-----	661	822	41	270
Wire-----	6,053	5,832	1,058	894
Pipe and tube-----	7,833	7,190	1,488	1,079
Tool steel (all forms)-----	17,864	20,192	3,071	2,462
Total-----	108,644	113,688	19,278	15,189
Grand Total-----	6,342,613	5,688,226	642,145	545,693

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, 1988, 1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1988	1989	January-February	
			1989	1990
<b>Carbon and certain alloy 1/ steel:</b>				
Semifinished 2/-----	1,061,770	684,289	155,559	97,201
Plate-----	567,614	439,139	91,636	77,121
Sheet and strip-----	1,558,244	1,316,891	273,470	204,175
Bars and certain shapes-----	137,056	157,610	52,150	34,893
Wire rod-----	349,946	220,248	41,708	55,033
Wire-----	64,524	61,675	9,063	11,003
Wire products-----	105,823	138,125	19,869	28,471
Structural shapes and units-----	493,074	323,672	93,764	33,200
Rails and related products-----	64,016	81,408	29,836	19,043
Pipe and tube-----	1,493,874	1,070,870	177,637	171,933
<b>Total-----</b>	<b>5,895,942</b>	<b>4,493,927</b>	<b>944,691</b>	<b>732,073</b>
<b>Stainless and alloy tool steel:</b>				
<b>Stainless steel:</b>				
Semifinished 2/-----	3,131	10,462	638	118
Plate-----	3,233	4,000	990	472
Sheet and strip-----	16,038	30,331	3,986	5,090
Bars and certain shapes-----	6,668	7,646	1,492	1,440
Wire rod-----	1,220	1,735	180	416
Wire-----	606	1,144	202	449
Pipe and tube-----	10,896	11,123	2,693	1,204
<b>Tool steel (all forms)-----</b>	<b>730</b>	<b>1,585</b>	<b>48</b>	<b>7,710</b>
<b>Total-----</b>	<b>42,523</b>	<b>68,027</b>	<b>10,229</b>	<b>16,899</b>
<b>Grand Total-----</b>	<b>5,938,464</b>	<b>4,561,954</b>	<b>954,920</b>	<b>748,973</b>

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, 1988, 1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1988	1989	January-February	
			1989	1990
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	3/	0	0	0
Plate-----	13,906	7,984	2,314	459
Sheet and strip-----	72,445	77,155	11,564	16,113
Bars and certain shapes-----	157,820	169,928	46,433	15,506
Wire rod-----	16,953	5,174	45	1,929
Wire-----	14,739	11,407	2,252	995
Wire products-----	10,190	6,070	1,001	1,080
Structural shapes and units--	21,786	28,269	10,947	1,309
Rails and related products--	88	333	48	6
Pipe and tube-----	93,829	64,215	16,236	3,298
Total-----	401,758	370,534	90,842	40,694
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	0	0	0	0
Plate-----	3/	1	0	0
Sheet and strip-----	0	36	0	0
Bars and certain shapes-----	15	3/	3/	0
Wire rod-----	0	0	0	0
Wire-----	1,690	810	296	7
Pipe and tube-----	42	18	0	8
Tool steel (all forms)-----	0	295	295	19
Total-----	1,748	1,161	591	34
Grand Total-----	403,506	371,695	91,433	40,729

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, 1988, 1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1988	1989	January-February	
			1989	1990
<b>Carbon and certain alloy 1/ steel:</b>				
Semifinished 2/-----	833,859	734,396	85,946	276,839
Plate-----	220,352	204,710	66,140	28,607
Sheet and strip-----	1,386,590	1,481,358	222,893	262,981
Bars and certain shapes-----	219,758	131,492	27,277	23,117
Wire rod-----	265,048	221,015	32,010	47,097
Wire-----	78,336	81,573	11,957	13,132
Wire products-----	152,677	215,243	32,033	32,972
Structural shapes and units-----	548,943	454,608	100,380	46,540
Rails and related products-----	38,461	43,644	3,267	8,996
Pipe and tube-----	649,871	467,017	96,858	81,815
<b>Total-----</b>	<b>4,393,893</b>	<b>4,035,056</b>	<b>678,761</b>	<b>822,097</b>
<b>Stainless and alloy tool steel:</b>				
<b>Stainless steel:</b>				
Semifinished 2/-----	61	10	0	0
Plate-----	3,233	2,159	382	561
Sheet and strip-----	22,749	27,032	5,001	3,762
Bars and certain shapes-----	7,573	9,015	1,341	1,523
Wire rod-----	3,803	2,852	344	491
Wire-----	1,711	1,685	426	220
Pipe and tube-----	5,590	4,459	709	1,108
Tool steel (all forms)-----	2,653	3,433	451	204
<b>Total-----</b>	<b>47,373</b>	<b>50,646</b>	<b>8,654</b>	<b>7,869</b>
<b>Grand Total-----</b>	<b>4,441,267</b>	<b>4,085,702</b>	<b>687,415</b>	<b>829,966</b>

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

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

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



Appendix A

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

ONE HUNDRED FIRST CONGRESS  
DAN ROSTENKOWSKI, ILLINOIS, CHAIRMAN

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J.J. PICKLE, TEXAS  
CHARLES B. RANGEL, NEW YORK  
FORTNEY PETE STARK, CALIFORNIA  
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ED JENKINS, GEORGIA  
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ROBERT J. LEONARD, CHIEF COUNSEL AND STAFF DIRECTOR

PHILLIP D. MOSELEY, MINORITY CHIEF OF STAFF

COMMITTEE ON WAYS AND MEANS

U.S. HOUSE OF REPRESENTATIVES  
WASHINGTON, DC 20515

OFFICE OF THE CLERK  
NOV 29 11:07 AM '89

November 27, 1989

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

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*  
Dan Rostenkowski  
Chairman

LEGISLATIVE SECRETARY

DR/jn

NOV 29 11:07 AM '89

RECEIVED



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(o) 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 7020-02-01

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

### Plastic Tubing Corrugators From Canada

#### Determination

On the basis of the record<sup>1</sup> developed in the subject investigation, the Commission determines,<sup>2</sup> 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

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

<sup>2</sup> Chairman Brunsdale and Vice Chairman Case dissenting.

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. 47583). The conference was held in Washington, DC, on November 28, 1989, and all persons who requested the opportunity were permitted to appear in person or by counsel.

The Commission transmitted its determination in this investigation to the Secretary of Commerce on December 22, 1989. The views of the Commission are contained in USITC publication 2248 (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 7020-02-01

[332-226]

### Monthly Reports on the Status of the Steel Industry

**AGENCY:** United States International Trade Commission.

**ACTION:** Continuation of investigation and monthly reports.

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

#### Background

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

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

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

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

Notice of institution of the investigation and of the initial series of reports was published in the Federal Register on April 23, 1988 (51 FR 15390).

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

By order of the Commission.

Issued: December 28, 1989.

Kenneth R. Mason,  
Secretary.

[FR Doc. 90-195 Filed 1-3-90; 8:45 am]

BILLING CODE 7020-02-01

[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.

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

FOR IMMEDIATE RELEASE  
December 12, 1989

89-69  
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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:

- o Bilateral consensus agreements with the major market-oriented countries to remove trade distorting practices; and,
- o 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:

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

- o 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).

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

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

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

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

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

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

9. Semifinished products include:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

12. Wire rod and related products include:

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

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

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

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

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

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

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

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

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

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

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

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

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

(C) Wire expanded metal, grill and fencing include whether or not galvanized wholly of round wire with a maximum cross-sectional diameter of 3 mm or more, having a mesh size of 100 cm<sup>2</sup> 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 7304.10.1020, 7304.10.1050, 7304.10.1080, 7304.10.5020, 7304.10.5050, 7304.10.5080, 7305.11.1030, 7305.11.1060, 7305.11.5000, 7305.12.1030, 7305.12.1060, 7305.12.5000, 7305.19.1030, 7305.19.1060, 7305.19.5000, 7306.10.1010, 7306.10.1050, 7306.10.5010, 7306.10.5050 of the HTS. Line pipe is included in AISI product group No. 20.

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

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

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

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

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

16. Alloy tool steel (all forms) provided for in items 7224.10.0030, 7224.90.0010, 7224.90.0020, 7224.90.0030, 7225.20.0000, 7225.30.1000, 7225.30.5060, 7225.40.1090, 7225.40.5060, 7225.50.1060, 7226.20.0000, 7226.91.1060, 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. Please refer to Notes section for further explanation.



Appendix E

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

## A U S T R I A

February 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months  
(Metric Tons)

FEB 21 1990

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	62,548	0.30%	187,643	+++	+++	187,643
Stainless Bar	NA	***	312	+++	+++	312
Stainless Rod	NA	***	312	+++	+++	312
OCTG	1,571	1.40%	21,991	+++	+++	21,991
Other Pipe and Tube	5,839	0.30%	17,518	+++	+++	17,518
Other Steel Products	37,420	0.11%	41,162	+++	+++	41,162
Alloy Tool Steel	97	4.00%	3,860	+++	+++	3,860

\* 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



## EUROPEAN COMMUNITIES

February 1990 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	107,707	0.76%	818,571	+++	+++	818,571
Slab	NA	***	753,086	+++	NA	753,086
Plate	6,322	7.13%	450,741	+++	+++	450,741
Hot Rolled Sheet	18,428	7.29%	1,343,401	+++	+++	1,343,401
Cold Rolled Sheet	15,183	5.94%	901,885	+++	+++	901,885
Black Plate	455	12.84%	58,454	+++	+++	58,454
Cold Rolled Strip	744	5.34%	39,703	+++	+++	39,703
Electrical Sheet and Strip	560	4.98%	27,876	+++	+++	27,876
Stainless Plate	133	5.89%	7,834	+++	+++	7,834
Stainless Sheet and Strip	1,254	5.94%	74,488	+++	+++	74,488
Tin Plate	3,262	2.96%	96,548	+++	+++	96,548
Tin-free Steel	1,086	4.22%	45,829	+++	+++	45,829
Other Coated Flat Rolled Products	15,121	4.51%	681,968	+++	+++	681,968
Electrogalvanized	NA	***	170,492	+++	NA	170,492
Rebar	5,992	0.09%	5,393	+++	+++	5,393
Hot Finished Bar	7,361	3.09%	227,447	+++	+++	227,447
Cold Finished Bar	1,647	6.63%	109,196	+++	+++	109,196
Stainless Bar	164	7.40%	12,136	+++	+++	12,136
Carbon Wire Rod	5,763	5.70%	328,477	+++	+++	328,477
Stainless Wire Rod	69	13.16%	9,015	+++	+++	9,015
Alloy Wire Rod	206	19.68%	40,492	+++	+++	40,492
Bar Shapes Under 80mm	1,546	2.48%	38,347	+++	+++	38,347
Structurals	7,021	14.15%	993,411	+++	+++	993,411
Sheet Piling	410	23.70%	97,212	+++	+++	97,212
Fabricated Structurals	NA	****	20,683	+++	NA	20,683
Stainless Wire	48	15.34%	7,287	+++	+++	7,287
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	702	9.26%	65,028	+++	+++	65,028
Rail Products	NA	****	4,875	+++	NA	4,875
Total Pipe and Tube	7,410	8.82%	653,562	+++	+++	653,562
OCTG	1,571	9.00%	141,368	+++	+++	141,368
Alloy Tool Steel	97	11.02%	10,634	+++	+++	10,634
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

NA Not Applicable

## J A P A N

February 1990 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	107,707	0.088%	94,782	+++	+++	94,782
Plate	6,455	0.990%	63,902	+++	+++	63,902
Sheet and Strip	56,093	5.730%	3,214,115	+++	+++	3,214,115
Cold Rolled Sheet and Strip	16,382	4.590%	751,934	+++	+++	751,934
Coated Sheet and Strip	15,121	11.690%	1,767,674	+++	+++	1,767,674
Electrogalvanized	2,714	16.390%	444,866	+++	+++	444,866
Electrical Sheet and Strip	560	6.670%	37,335	+++	+++	37,335
Tin Plate	3,262	5.790%	188,855	+++	+++	188,855
Tin-Free Steel	1,086	6.620%	71,893	+++	+++	71,893
Bar	15,000	0.600%	89,999	+++	+++	89,999
Cold Finished	1,647	2.000%	32,940	+++	+++	32,940
Stainless Bar	164	10.470%	17,171	+++	+++	17,171
Wire Rod and Wire Products	8,039	6.030%	484,752	+++	+++	484,752
Wire Rod	5,969	5.930%	353,932	+++	+++	353,932
Stainless Rod	69	10.440%	7,151	+++	+++	7,151
Structural Shapes	9,964	7.110%	708,405	+++	+++	708,405
Rail and Rail Products	987	9.560%	94,309	+++	+++	94,309
Fabricated Structural	NA	+++	50,453	+++	NA	50,453
Welded H-Beams	NA	+++	30,000	+++	NA	30,000
Pipe and Tube	7,410	8.650%	640,965	+++	+++	640,965
OCTG	1,571	9.660%	151,734	+++	+++	151,734
Line Pipe	1,886	15.520%	292,630	+++	+++	292,630
Structural Pipe	564	12.000%	67,620	+++	+++	67,620
Alloy Tool Steel	97	5.890%	5,684	+++	+++	5,684

\* 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 ceilings are fixed tonnages.

+++ Not yet available

NA Not Applicable

## MEXICO

February 1990 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 Ceilings	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Initial Period Export Ceiling
Semi-Finished Steel	107,707	0.24%	258,496	+++	+++	258,496
C/A Flat Rolled	41,692	0.28%	116,736	+++	+++	116,736
C/A HR Sheet and Strip	18,428	0.23%	42,384	+++	+++	42,384
C/A CR Sheet and Strip	16,382	0.19%	31,126	+++	+++	31,126
Plate	6,322	0.70%	44,252	+++	+++	44,252
Stainless Flat Rolled	1,387	0.88%	12,206	+++	+++	12,206
Coated Flat Rolled	19,469	0.67%	130,442	+++	+++	130,442
Bar and Rod	21,201	0.99%	209,887	+++	+++	209,887
Carbon CF Bar	1,357	0.53%	7,193	+++	+++	7,193
Carbon Wire Rod	5,763	2.17%	125,052	+++	+++	125,052
Stainless Bar and Rod	233	0.03%	70	+++	+++	70
Angles, Shapes, Sections/Rail and Rail Products	9,964	0.72%	71,737	+++	+++	71,737
Wire and Wire Products	2,071	3.00%	62,115	+++	+++	62,115
Wire Rope	221	2.54%	5,601	+++	+++	5,601
Wire Strand	NA	***	2,000	+++	NA	2,000
Panels and Mesh	2,023	0.86%	17,398	+++	+++	17,398
Other Wire and Wire Products and Fence	2,023	1.82%	36,819	+++	+++	36,819
Pipe and Tube	7,410	2.55%	188,955	+++	+++	188,955
OCTG	1,571	2.00%	31,415	+++	+++	31,415
Line Pipe	1,886	3.64%	68,632	+++	+++	68,632
Standard Pipe	2,092	4.21%	88,052	+++	+++	88,052
Tool Steel	97	0.31%	299	+++	+++	299

\* 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

## V E N E Z U E L A

February 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

21 1990

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
-----						
Carbon/Alloy Flat-Rolled and						
Stainless	43,079	0.223%	96,065	+++	+++	96,065
Coated Flat-Rolled	19,469	0.195%	37,965	+++	+++	37,965
Bar and Rod	21,201	0.358%	75,899	+++	+++	75,899
Carbon Wire Rod	5,763	-0.339%	19,536	+++	+++	19,536
Rebar	5,992	0.754%	45,180	+++	+++	45,180
Pipe & Tube	7,410	0.844%	62,540	+++	+++	62,540
OCTG	1,571	0.000%	0	+++	+++	0
Line	1,886	2.246%	42,348	+++	+++	42,348
Standard	2,092	0.540%	11,294	+++	+++	11,294
Other Steel Products	12,131	0.129%	15,648	+++	+++	15,648
Semi-Finished	107,707	0.069%	74,318	+++	+++	74,318
-----						

\* 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.

+++ Not yet available

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

## Y U G O S L A V I A

PRODUCT CATEGORY -----	TONS ----
STAINLESS BAR	500
STAINLESS ROD	1,500
WIRE AND WIRE PRODUCTS	14,000
OCTG	0
OTHER PIPE AND TUBE	11,000
OTHER STEEL PRODUCTS	23,000
ALLOY TOOL STEEL	0
TOTAL	50,000

## E A S T G E R M A N Y

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

## H U N G A R Y

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

MAR 15 1990

## B R A Z I L

February 1990 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	107,707	0.914%	984,440	+++	+++	984,440
Billets	NA	***	150,000	+++	NA	150,000
Plate	6,455	1.249%	80,620	+++	+++	80,620
Hot Rolled Sheet and Strip	18,428	1.061%	195,521	+++	+++	195,521
Cold Rolled Sheet and Strip	17,636	1.015%	179,005	+++	+++	179,005
Cold Rolled Strip	744	2.870%	21,338	+++	+++	21,338
Other Sheet and Strip	20,029	0.162%	32,447	+++	+++	32,447
Tin Plate	3,262	0.145%	4,730	+++	+++	4,730
Electrical Sheet and Strip	560	0.181%	1,013	+++	+++	1,013
Electroalvanized Sheet	2,714	0.087%	2,361	+++	+++	2,361
C/A Hot Finished Bar	13,353	1.111%	148,349	+++	+++	148,349
C/A Cold Finished Bar	1,647	0.808%	13,308	+++	+++	13,308
C/A Wire Rod	5,969	1.690%	100,868	+++	+++	100,868
Angles, Shapes, Sections	9,261	0.389%	36,026	+++	+++	36,026
Structurals	7,431	0.160%	11,889	+++	+++	11,889
Rail Products	284	2.807%	7,979	+++	+++	7,979
Wire and Wire Products	2,023	1.739%	35,180	+++	+++	35,180
Wire Strand	NA	***	4,787	+++	NA	4,787
Wire Rope	221	0.585%	1,290	+++	+++	1,290
Rails	702	0.000%	0	+++	+++	0
OCTG	NA	***	2,000	+++	NA	2,000
Line Pipe	1,886	3.523%	66,426	+++	+++	66,426
Other Pipe and Tubes	3,954	1.635%	64,644	+++	+++	64,644
Standard Pipe	2,092	2.542%	53,166	+++	+++	53,166
Structural Pipe	564	0.908%	5,117	+++	+++	5,117
Mechanical Pipe	1,103	0.645%	7,116	+++	+++	7,116
Stainless and Pressure Pipe	189	0.941%	1,781	+++	+++	1,781
Specialty Products	377	2.671%	10,056	+++	+++	10,056
Stainless Bar	164	2.464%	4,041	+++	+++	4,041
Stainless Wire Rod and Wire	116	3.204%	3,717	+++	+++	3,717
Alloy Tool Steel	97	2.346%	2,264	+++	+++	2,264

\* Initial Period Apparent Consumption is defined as follows:

$$((.25 * \text{Forecasted 1989 Apparent Consumption}) + (\text{Forecasted 1990 Apparent Consumption}))$$

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

\*\*\* Export ceilings are fixed tonnages.

+++ Not yet available

NA Not Applicable

MAR 15 1990

## A U S T R A L I A

February 1990 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	107,707	0.118%	127,094	+++	+++	127,094
Coated Flat Rolled	19,469	1.015%	197,610	+++	+++	197,610
Other Flat Rolled	43,079	0.113%	48,679	+++	+++	48,679
Pipe and Tube	7,410	0.300%	22,230	+++	+++	22,230
Other Finished Steel	33,331	0.089%	29,665	+++	+++	29,665

\* 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.

+++ Not yet available

MAR 15 1990

## T R I N I D A D   A N D   T O B A G O

Product Category	Net Tons
Semi-Finished Steel	24,250
Bars and Rod	111,000
Wire Rod	80,000
All Other Steel Products	4,750
Total	140,000

## FINLAND

February 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

MAR 23 1990

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	107,707	0.016%	17,233	+++	+++	17,233
Carbon/Alloy Flat Rolled	41,692	0.442%	184,276	+++	+++	184,276
Cold Rolled Sheet	15,639	0.114%	17,828	+++	+++	17,828
Cold Rolled Strip	744	0.457%	3,398	+++	+++	3,398
Stainless Flat Rolled	1,387	0.978%	13,565	+++	+++	13,565
Coated Flat Rolled	19,469	0.130%	25,310	+++	+++	25,310
Galvanized Sheet	13,449	0.130%	17,483	+++	+++	17,483
Bar and Rod	21,201	0.037%	7,844	+++	+++	7,844
Carbon Cold Finished Bar	1,357	0.010%	136	+++	+++	136
Wire and Wire Products	2,071	0.024%	497	+++	+++	497
Pipe and Tube	7,410	0.140%	10,374	+++	+++	10,374
OCTG	1,571	0.200%	3,142	+++	+++	3,142
Other Steel Products	10,060	0.012%	1,207	+++	+++	1,207

\* 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.

+++ Not yet available



APR 26 1990

## K O R E A

February 1990 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	107,707	0.271%	291,885	+++	+++	291,885
Plate	6,322	1.140%	72,068	+++	+++	72,068
Sheet and Strip	54,839	2.100%	1,151,614	+++	+++	1,151,614
HR S & S	18,428	2.490%	458,857	+++	+++	458,857
CR S & S	16,382	2.450%	401,359	+++	+++	401,359
C/A Strip	NA	+++	1,375	+++	NA	1,375
Coated	15,121	1.720%	260,086	+++	+++	260,086
Electro-Galv	NA	+++	33,750	+++	NA	33,750
Electrical	NA	+++	1,375	+++	NA	1,375
Stainless Flat-Rolled	1,387	0.870%	50,453	+++	+++	50,453
Bar	15,000	0.630%	94,498	+++	+++	94,498
Stainless Bar	164	1.560%	2,558	+++	+++	2,558
Wire, Wire Rod & Wire Prod.	8,039	2.370%	190,524	+++	+++	190,524
Stainless Wire	NA	+++	1,000	+++	NA	1,000
C/A Wire	NA	+++	9,625	+++	NA	9,625
Stainless Rod	69	1.930%	1,322	+++	+++	1,322
Structurals	9,964	1.350%	134,507	+++	+++	134,507
Rails	702	0.630%	4,424	+++	+++	4,424
Fab. Structurals	NA	+++	68,040	+++	NA	68,040
Wire Rope	NA	+++	57,500	+++	NA	57,500
Wire Strand	NA	+++	36,751	+++	NA	36,751
Pipe & Tube	7,410	7.670%	568,347	+++	+++	568,347
Structural	564	4.430%	24,963	+++	+++	24,963
OCTG	1,571	2.900%	45,552	+++	+++	45,552
Standard	2,092	17.930%	375,006	+++	+++	375,006
Alloy Tool Steel	97	2.110%	2,036	+++	+++	2,036

\* 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 ceilings are fixed tonnages.

+++ Not yet available

NA Not Applicable

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## ROMANIA

Product Category	Tons
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Plate	80,250
Sheet & Strip	5,250
Stainless Bars	200
Stainless Rod	200
OCTG	2,000
Other Pipe & Tube	27,500
All Other Steel Products	4,500
Alloy Tool Steel	100
Total	120,000

THE PEOPLE'S REPUBLIC  
OF CHINA

Product Category	Metric Tons
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Nails	43,000
All Other Steel Products	46,737
Total	89,737