

# 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



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Washington, DC 20436

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## Monthly Review: Mexico, An Industry In Transition

### Summary

Since 1985, the Mexican government has implemented a series of economic reforms designed to stabilize the domestic economy, to liberalize international trade and market access, and to promote the competitiveness of Mexico's industrial base. As one avenue toward these ends, Mexican President Salinas de Gotari has requested that Mexico and the United States negotiate a Free Trade Agreement (FTA) which would reduce both countries' tariffs to zero and decrease nontariff trade barriers.<sup>1</sup> In the steel sector,<sup>2</sup> the Salinas government has moved to end government involvement by selling facilities to private concerns. In addition, Mexico has recently joined the OECD Steel Committee and is participating in Uruguay Round steel discussions. These actions suggest that the Mexican steel industry is moving aggressively to increase its efficiency and competitiveness by opening the Mexican market to foreign competition and the steel industry to foreign participation.

### Background

Spurred by the international oil boom of the 1970s, domestic expenditures on drilling and infrastructure projects increased and stimulated a period of expansion for the Mexican steel industry; growth averaged about 9 percent annually and domestic demand peaked in 1981 at 12 million metric tons.

Following the collapse of oil prices and corresponding constriction of the Mexican economy in the early 1980s, domestic demand fell by 45 percent, forcing an industry-wide program of restructuring. During the decade, Mexico closed 254,000 metric tons of production capacity (about 13 percent of the total), reduced employment levels by 24 percent, and initiated modernization and expansion programs at remaining facilities.

To help in the implementation of these restructuring efforts, Mexico received financial assistance from abroad. In 1988, the World Bank provided a \$400 million loan,<sup>2</sup> and an Ex-Im bank loan from Japan in 1987 was directed toward construction of a second slab production facility at Sicartsa II.<sup>3</sup> In concert with domestic economic stabilization measures, such as devaluation of the peso

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<sup>1</sup> On September 26, President Bush notified the House Ways and Means Committee and the Senate Finance Committee of the administration's intention to negotiate such an agreement with Mexico. The Committees have 60 legislative working days from the date of the notification to disapprove such action.

<sup>2</sup> Upon release of the loan, World Bank officials indicated the intent was to assist Mexico in reducing steelmaking capacity by 20 percent, upgrading existing facilities (\$170 million to Ahmsa and \$75 million to Hylsa) and reducing government subsidies to the steel sector. The long-term focus was "[to] promote a greater role for the private sector."

<sup>3</sup> The Sicartsa facility, under the direction of the government entity, Sidermex, has operated since 1976 as a producer of non-flat products and directly reduced iron (DRI), a scrap substitute. In the current modernization, three continuous slab casters and four electric furnaces were installed to increase annual slab production capacity to 1.5 million metric tons. Future plans include development of a mining ore operation and a 1.5 million metric tons-per-year plate mill.

and price controls on some products (including steel),<sup>4</sup> steel demand stabilized in 1988-89 at about 7.2 million tons. In some instances, however, modernization and expansion of facilities has been delayed, as new equipment was warehoused as collateral under a loan-guarantee arrangement between some companies and lending institutions.<sup>5</sup>

#### Industry Structure and Production

Originally, the location and development of large state-owned<sup>2</sup> integrated steel facilities in Mexico was largely influenced by the larger goal of regional industrial development. The original Sicartsa plant in Michoacan was begun in 1976 specifically with this goal in mind. Moreover, an entire city was built to provide labor for the Ahmsa mill built in Monclova in 1944. Private concerns (such as Hylsa in Monterrey) tended to locate close to population centers.

Since that time, the rationale for development of steel complexes has shifted somewhat to emphasize the product mix and economics which will contribute to a positive trade balance in the sector. For example, additional facilities at Sicartsa (Sicartsa II), were built primarily to export slabs and plates; the facility began operations in 1989.

With the addition of Sicartsa II, production capacity for the Mexican steel industry increased from 9.6 million metric tons in 1987 to 11.6 million metric tons. Industry labor and production problems hindered full operation of Mexican steel facilities during 1989, however.<sup>6</sup> Partly as a result, the capacity utilization rate for the industry declined from 78 percent to about 67 percent for the year and raw steel production increased by only one percent from 1988 levels (to 7.9 million metric tons).

Prior to September 1990, about 55 percent of Mexico's steel production (including two of the country's four integrated mills) has been controlled by the Mexican government through Siderúrgica Mexicana (Sidermex) (table a).<sup>7</sup>

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<sup>4</sup> Early in the decade, the policy of the Mexican government was to raise steel prices every month by 95 percent of the inflation rate. By 1986, however, at least one large integrated producer noted that "the disparity between prices and costs [is] on the order of 30 percent." In a series of formal economic pacts beginning in December 1987, prices were adjusted once a year. Producers report that price controls will be lifted entirely on most products by January 1991.

<sup>5</sup> Hylsa, for example, renegotiated \$1.2 billion to \$574 million in debt in 1988, a reduction of 53 percent. In interviews conducted by International Trade Commission staff in July 1990, company officials indicated that as part of the arrangement, they agreed not to install certain equipment, making it available as collateral instead, until such time as their operations allowed them to consistently meet their financial obligations. The officials further stated that the equipment would likely be installed in 1991.

<sup>6</sup> During the year there was a two-month strike at Sicartsa which resulted in a loss of 300,000 metric tons of production; workers at Tamsa also struck.

<sup>7</sup> In September 1990, Sidermex was transferred to the Finance Ministry's privatization unit following government assumption of all Sidermex debt.

Table a  
Mexican steel production by company, 1985-89 and January-June 1990  
(1,000 metric tons)

Company	1985	1986	1987	1988	1989	Jan. -June 1990
<b>Integrated sector:</b>						
<b>State-owned:</b>						
Altos Hornos de Monclova (AHMSA)...	2,603	2,868	3,086	3,083	2,862	1,575
Fundidora Monterrey <sup>1</sup> ...	943	254	0	0	0	0
Siderúrgica Lazaro Cardenas las Truchas (SICARTSA).....	613	1,192	1,190	1,131	1,337	827
Total.....	4,159	4,314	4,276	4,214	4,199	2,402
<b>Private:</b>						
Hojalata y Lamina (HYLSA).....	1,671	1,582	1,662	1,710	1,812	929
Tubos de Acero Mexico (TAMSA).....	279	233	486	540	468	255
Total.....	1,950	1,875	2,148	2,250	2,280	1,184
Total integrated.....	6,109	6,129	6,424	6,464	6,479	3,586
Minimills <sup>2</sup> .....	1,290	1,1096	1,218	1,315	1,372	717
Grand total.....	7,399	7,225	7,642	7,779	7,851	4,300

<sup>1</sup> Fundidora Monterrey (Fundidora) was closed by the previous president in May 1986 in an effort to reduce activities at parastatal operations which were felt to be inefficient. Fundidora employed almost 8,000 workers at the time of its closure.

<sup>2</sup> Nine of the country's ten minimills are privately owned.

Source: WEFA group, Conquering World Steel Markets, 1990.

Most production is concentrated in lower-value, non-coated carbon steels, much of which is used in the construction industry; there is only one producer of galvanized sheet, and industry tinplate capacity is about 300,000 metric tons. Only one company, Mexinox, produces stainless steel.<sup>8</sup>

#### Trade

Reflecting its domestic production, Mexican exports of steel mill products are concentrated in lower-value items, while imports are primarily higher-value sheet steels (particularly cold-rolled and tinplate) and alloy steels not

<sup>8</sup> Capacity is 90,000-120,000 tons per year with one mill newly commissioned and a continuous caster anticipated by 1992.

available domestically but required by the Mexican appliance and automotive industries.<sup>9</sup> Mexico is currently a net exporter of steel mill products, despite the inland location of several of the largest mills and poor transportation infrastructure. Both Tamsa and the Sicartsa facilities, however, are located on deep water ports.

Exports.-- In 1989, a total of 1.1 million metric tons of steel mill products were exported (about 15 percent of production). The United States is Mexico's largest export market and accounts for about half of total exports although levels are limited by a Voluntary Restraint Agreement (VRA).<sup>10</sup> Primary steel exports to the United States include pipes and tubes (26 percent of total Mexican exports to the United States, by quantity), semifinished products and plate (19 percent), and galvanized sheet (18 percent).

Apparently in response to the VRAs, Mexican mills have aggressively developed markets other than the United States for certain niche products in which they are competitive, particularly seamless tubular products and minimill products such as bar and wire products.<sup>11</sup> Mexico is also the world's second largest producer of direct reduced iron (DRI), a scrap substitute, exporting both product and technology.<sup>12</sup> Other major export markets in 1989 included Central America, Japan and China.<sup>13</sup>

Imports.-- Steel imports from all sources were 408,000 metric tons in 1989 (about 7 percent of apparent consumption). Again, the United States was the leading trading partner, accounting for approximately 45 percent of total imports. Primary imports from the United States included sheet and strip products (which accounted for 53 percent of total steel imports from the United States, by quantity), used rails (9 percent) and structurals (8 percent). The United States is also a leading source of scrap and coal imports

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<sup>9</sup> Automobile production is one of Mexico's largest industries; Volkswagen of Germany, GM, Ford and Chrysler from the United States and Nissan of Japan have production facilities in the country. Mexican coils generally do not have the width or deep drawing quality necessary for automobile production.

<sup>10</sup> During the September 1984-1989 period, the Mexican government agreed to limit its exports to .03 percent of U.S. apparent consumption (AC). Under the renewal agreements, Mexico is limited to .95 percent of AC in the initial period of the agreement (October 1989 to December 1990) and 1.1 percent in the remainder (through March 1992). For a detailed list of Mexican steel products subject to VRA limits, see appendix D.

<sup>11</sup> For example, with Mexico's VRA export allocations filled for certain tubular and wire products, Tamsa, Mexico's second largest privately-owned steel mill and the only producer of seamless pipe, cultivated customers in Malaysia, India, Saudi Arabia and throughout Latin America; exports of seamless pipes increased 11-fold during 1985-87.

<sup>12</sup> Hylsa, a private integrated mill, agreed in late 1989 to provide pellets and technological assistance for a direct steelmaking research project sponsored by the American Iron and Steel Institute (AISI).

<sup>13</sup> China has established a trade office in Mexico City to facilitate steel imports by that country.

to Mexico and supplies some iron ore as well.<sup>14</sup> Other leading import sources include the EC (24 percent), Canada (15 percent) and Japan (12.5 percent).

#### Outlook for Mexican and U.S. industries

In an effort to broaden its international trading relationships, attract foreign capital investment, and improve the domestic economy, Mexico has made several formal commitments over the past five years; subsequent events in the steel industry have reflected this focus. For example, lower<sup>2</sup> steel tariffs and elimination of import licensing requirements followed entry into the GATT in 1986. Mexico applied for membership in the OECD Steel Committee in the same year,<sup>15</sup> and is currently supporting the U.S.-initiated Uruguay Round negotiations for a multilateral consensus agreement to remove trade distorting practices in steel trade.

Privatization.--On the domestic front, too, a more liberalized attitude has been adopted. Mexico's government began to withdraw from its involvement in the steel industry in 1986 with the closure of Fundidora. No further activity was evident until May 1990, when an announcement was made that Ahmsa, Sicartsa, and the Fundidora works are to be sold.

Plans for the privatization of these facilities have yet to be finalized, however. The delay in implementation is reportedly due to problems in assessing the value of the facilities and to buyer reluctance to bid until the rules of ownership are finalized.<sup>16</sup> In addition, sufficient domestic investment capital is in short supply in Mexico and there is keen competition for foreign capital among areas undergoing major economic restructuring, such as Mexico, Brazil and Eastern Europe.

It is unclear as yet whether government-controlled Sidermex will continue to invest in modernization of some facilities in order to increase investor interest. Despite some recent renovation, needed expenditures are likely to be substantial. For example, Ahmsa has yet to complete a \$200-million upgrade of its new hot strip mill and total expenditures may run as high as \$2 billion;<sup>17</sup> Sicartsa has a \$300 million plate mill in crates on the dock, waiting for installation; Fundidora has hot and cold rolling equipment which are reported to be very good,<sup>18</sup> but no melt shop. Such upgrades are critical, however, in order to supply domestic consumers that require high quality steels and to compete internationally in those product lines.

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<sup>14</sup> About 50% of Mexican scrap requirements come from the United States.

<sup>15</sup> Mexico was formally admitted as a member of the Committee in September 1990. In 1978, the OECD established a Steel Committee in order to seek solutions to the problems experienced by the steel industry. The objectives of the Committee included ensuring that trade in steel would remain unrestricted; facilitating close consultation between governments in crisis situations; encouraging structural adaptations; and ensuring, to the extent possible, responsible government steel policies and investments.

<sup>16</sup> Interviews with Mexican industry officials, July 1990.

<sup>17</sup> WEFA Group 1990 reports.

<sup>18</sup> Discussion with Father Hogan, international steel consultant, October, 1990.

In addition, potential purchasers will undoubtedly weigh the cost competitiveness of facilities in terms of availability of raw materials and labor productivity. Despite relatively low wages (approximately \$3.15 per hour), productivity is low, averaging about 9.6 man hours per ton (compared to 3.2 for U.S. mills). Furthermore, given the historical relationship of labor and the mills, implementing labor force reductions at overstaffed facilities could prove disruptive to operations; past labor reductions have been met with strikes and production shutdowns.<sup>19</sup>

As for other inputs, Mexico must import a portion of its iron ore, coke and scrap requirements and, for the northern mills, a shortage of water is a severe problem. In addition, energy costs are high and internal infrastructure bottlenecks are so serious that mills along the coast (such as Sicartsa and Tamsa) prefer to ship to overseas customers rather than domestic consumers.<sup>20</sup>

Implications.--Both Ahmsa (capacity of 3.5 million tons) and Fundidora (1 million tons) have northern locations which could facilitate exports to the southwestern United States, and Sicartsa's location on Mexico's western coast is accessible to the California market. Given the scheduled expiration of the VRAs in 1992 and the possibility of an FTA with Mexico which would further reduce tariffs, it appears that increased imports of some types of steel mill products will indeed exert pressure in the U.S. market. Initially, most competition is likely to come in those lower-value product areas which have less stringent quality requirements and in which price is the primary purchasing consideration, (i.e., long products and wire and wire products). Indeed several new Mexican facilities are being constructed by the private sector to expand production in such product lines. In addition, imports of Mexican seamless pipes and tubes, which are very competitive in terms of quality,<sup>21</sup> would also bring pressure to bear on U.S. producers.

Liberalized access to the U.S. market is likely to attract some foreign investors as well. Recently, for example, partial ownership of the Mexican stainless producer Mexinox was purchased by two European firms, Thyssen (German) and Acerinox (Spanish). Since 60 percent of current production is shipped to the North American market (and much of the remainder to South America), this appears to be a possible move for better future access to the North American market.<sup>22</sup>

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<sup>19</sup> Rationalization of 4,500 workers at Ahmsa is being debated. Discussions with U.S. and Mexican industry and government officials suggest, however, that such a move will be met with great resistance by the workforce.

<sup>20</sup> Interviews with Mexican industry officials, July, 1990.

<sup>21</sup> Interviews with U.S. producers, consumers and government officials.

<sup>22</sup> Exports of stainless products to the United States were a subject of contention under the prior VRA agreement with Mexico. In response to complaints from the U.S. industry, imports of stainless products from Mexico were temporarily halted when the U.S. Department of Commerce found that Mexico had overshipped its allotment under the VRA.



Such trade liberalization will also provide export opportunities for U.S. producers of quality, cost-competitive products. Studies indicate Mexican capacity is insufficient to meet domestic needs in heavy and light shapes beginning in 1991, flat-rolled products in 1992, merchant bars in 1993, and wire rod in 1995.<sup>23</sup> Indeed, several U.S. producers have indicated their intentions of increasing shipments of steel mill products to the Mexican market, provided that the infrastructure is upgraded and other nontariff trade barriers are reduced.<sup>24</sup> In addition, at least three U.S. producers are considering locating facilities in the southwestern United States, a strategy which Mexican producers view as designed to increase market penetration.<sup>25</sup>

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<sup>23</sup> President of Aceros Nacionales, as reported in AMM, July 11, 1988

<sup>24</sup> Interviews with U.S. industry officials suggest that the method of assessing tariffs in Mexico and the 10 percent value-added tax make the price of many U.S. products uncompetitive. In addition, former buy-Mexican policies have restricted purchases of U.S. goods; many such requirements have been eliminated under the Salinas regime, however.

<sup>25</sup> Reportedly one such mill involves a thin-strip minimill, another a galvanizing facility; the third involves a minimill dedicated to long products and structurals. Interviews with Mexican industry officials, July 1990, and other industry sources.

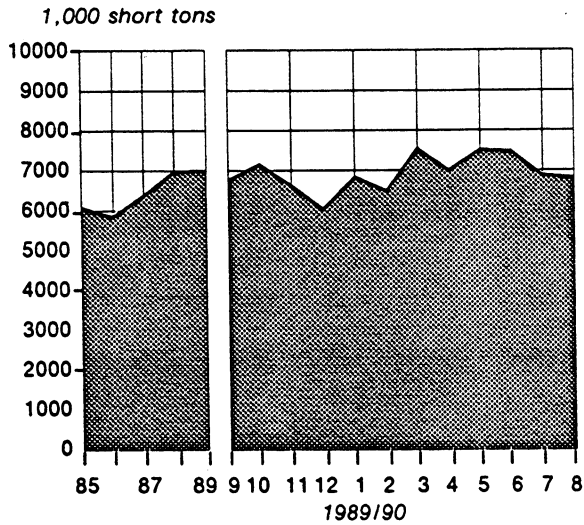
Monthly Review:  
Selected Industry and Trade Topics

## Subject Index

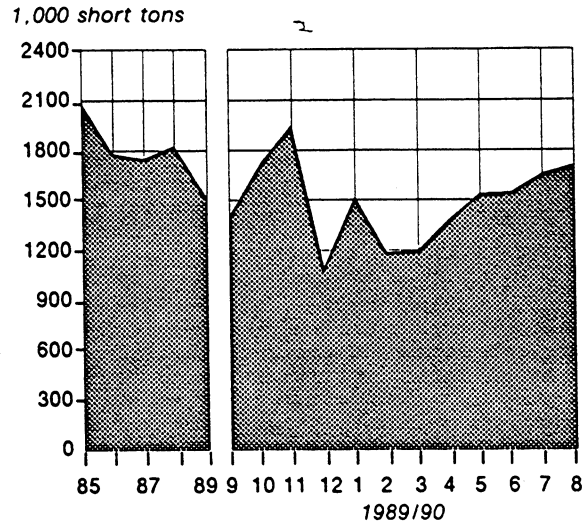
	<u>USITC</u> <u>Publication</u>	<u>Date</u>
Specialty steel products-----	2088	6/88
Pipe and tube products-----	2092	7/88
Steel pricing: domestic and international developments-----	2102	8/88
Wire rod, wire and wire products-----	2114	9/88
U.S. trade in tinplate-----	2130	10/88
Steel rebar: domestic market and trade-----	2134	11/88
Heavy structural shapes-----	2141	12/88
Imports by customs areas-----	2146	1/89
Wire rope and strand-----	2153	2/89
Annual summary of trade with VRA and non-VRA countries; product trade assessment-----	2162	3/89
Imports of pipe and tube products-----	2175	4/89
Specialty steel imports-----	2184	5/89
Imports of semifinished steel-----	2195	6/89
Wire rod-----	2202	7/89
Steel prices-----	2134	8/89
Special quality steel bars-----	2215	9/89
Specialty steel-----	2227	10/89
Galvanized sheet and strip-----	2230	11/89
Structural steel shapes and units-----	2241	12/89
VRAs: 1989 to 1992-----	2248	1/90
Developments in the Korean steel industry-----	2258	2/90
Developments in the East European steel industry---	2262	3/90
Developments in the African steel industry-----	2270	4/90
Developments in the Soviet steel industry-----	2283	5/90
Developments in the French steel industry-----	2290	6/90
Developments in the Japanese steel industry-----	2298	7/90
Labor Unions in the East European steel industry---	2301	8/90
Steel product quality-----	2310	9/90
Developments in the Canadian steel industry-----	2322	10/90
Developments in the Mexican steel industry-----	2332	11/90

## U.S. STEEL INDUSTRY HIGHLIGHTS

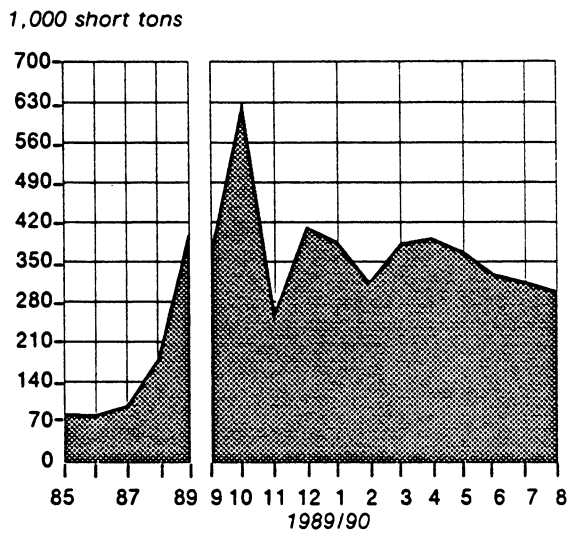
**Figure 1**  
U.S. average monthly and monthly steel shipments



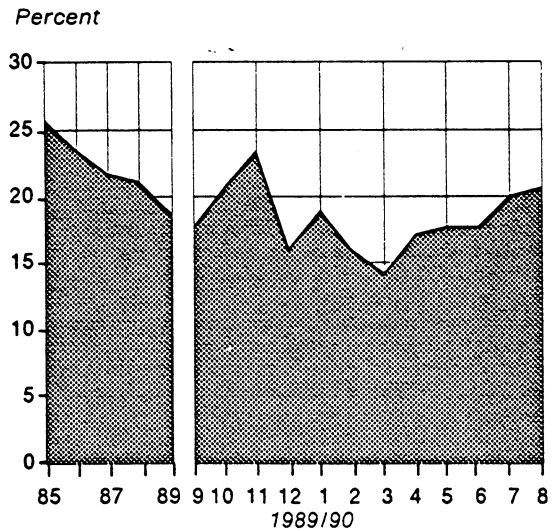
**Figure 2**  
U.S. average monthly and monthly steel imports



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



**Figure 4**  
U.S. average monthly and monthly steel import penetration<sup>1</sup>



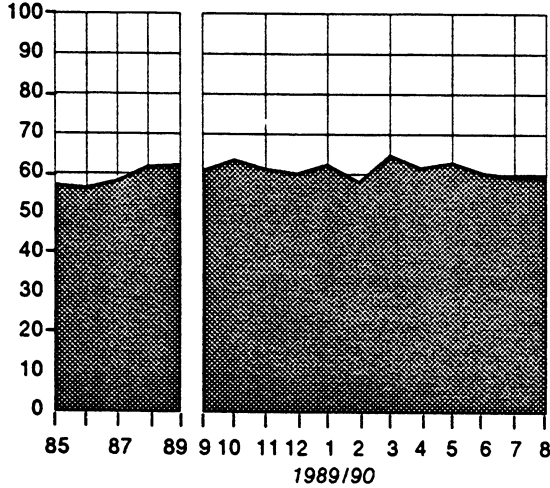
<sup>1</sup> Import penetration is defined as the percent of apparent consumption represented by imports.

INTERNATIONAL STEEL INDUSTRY HIGHLIGHTS

Figure 5

Raw steel: Monthly and average monthly production for principal steel-producing nations<sup>1</sup>

1,000 metric tons

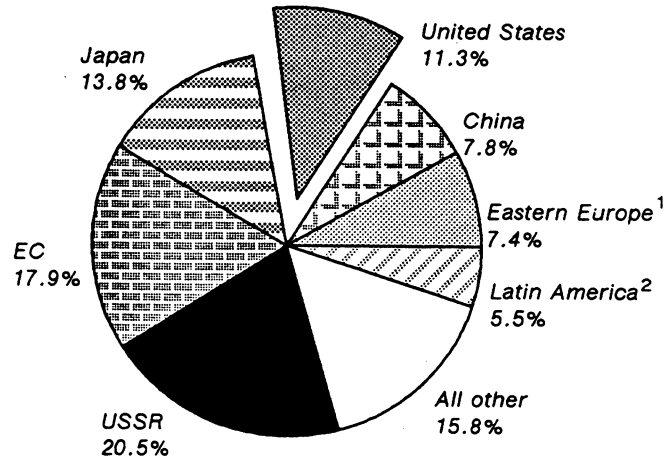


<sup>1</sup> Includes 41 steel-producing nations representing approximately 95 percent of world raw steel production.

Source: International Iron and Steel Institute.

Figure 6

Raw steel: Geographic distribution of world production, 1989



<sup>1</sup> Includes Bulgaria, Czechoslovakia, German Democratic Republic, Hungary, Poland, and Romania.

<sup>2</sup> Includes Mexico, Central America, South America and the Caribbean (including Cuba).

Source: International Iron and Steel Institute.

Table 1

Raw steel: Average annual production by country or region, by specified 5-year periods, 1955-89

Time period	United States	EC-12	Japan	Principal steel-producing developing countries <sup>1</sup>	World total
(Million metric tons)					
1955-59	95.0	80.7	12.4	11.5	284.9
1960-64	96.5	101.8	29.9	20.8	374.7
1965-69	120.7	124.9	60.0	29.1	505.9
1970-74	123.7	152.6	103.0	42.9	641.4
1975-79	116.6	144.6	105.2	62.8	690.7
1980-84	87.9	132.8	103.1	89.8	688.2
1985-89	82.8	133.2	103.1	129.3	746.0
(Percent)					
1955-59	33.4	28.3	4.3	4.0	100.0
1960-64	25.8	27.2	8.0	5.5	100.0
1965-69	23.9	24.7	11.9	5.8	100.0
1970-74	19.3	23.8	16.1	6.7	100.0
1975-79	16.9	20.9	15.2	9.1	100.0
1980-84	12.8	19.3	15.0	13.1	100.0
1985-89	11.1	17.9	13.8	17.3	100.0

<sup>1</sup> Includes Brazil, Peoples Republic of China, India, Republic of Korea, Mexico, and Taiwan.

Source: U.K. Iron and Steel Statistics Bureau and International Iron and Steel Institute.

Table II  
Raw steel: Production, by specified countries and regions, 1985-89, January-August 1989, and January-August 1990

Country/region	1,000 metric tons						Percent change		
	1985	1986	1987	1988	1989	January - August 1989	1990	1985 -1989	YTD 89 -YTD 90 <sup>1</sup>
Turkey	4,864	5,928	7,044	7,982	7,852	4,991	6,041	61.4	21.0
China	46,794	52,208	56,020	59,430	61,240	39,253	42,940	30.9	9.4
Mexico	7,399	7,225	7,642	7,788	7,791	5,356	5,729	5.3	7.0
Korea	13,539	14,555	16,782	19,118	21,873	14,346	15,230	61.6	6.2
India	11,936	12,197	13,121	14,309	14,429	9,514	9,739	20.9	2.4
Japan	105,279	98,275	98,513	105,661	107,909	71,584	72,389	2.5	1.1
Australia	6,509	6,674	6,100	6,387	6,732	4,378	4,342	1.9	-0.8
United States	80,068	74,032	80,876	90,631	88,414	60,815	59,699	10.4	-1.8
USSR	154,653	160,537	161,935	163,037	160,077	107,215	104,441	3.5	-2.6
EC-12	135,663	125,855	126,486	137,816	140,110	93,610	91,105	3.3	-2.7
Taiwan	5,306	5,545	5,915	8,288	8,632	5,792	5,375	62.7	-7.2
Eastern Europe <sup>2</sup>	42,661	43,939	44,426	43,968	41,444	28,449	25,839	-2.9	-9.2
Canada	14,537	14,081	14,737	14,866	15,458	10,596	8,925	5.6	-15.8
Brazil	20,458	21,233	22,228	24,657	25,017	16,611	13,301	22.3	-19.9
Total selected countries/regions	649,866	642,284	661,825	703,958	706,978	472,510	465,095	8.8	-1.6
All other	69,008	71,099	74,077	75,432	75,715	( <sup>3</sup> )	( <sup>3</sup> )	9.7	( <sup>3</sup> )
World total	718,874	713,383	735,902	779,390	782,693	( <sup>3</sup> )	( <sup>3</sup> )	8.9	( <sup>3</sup> )

<sup>1</sup> January-through-August 1989 to January-through-August 1990.

<sup>2</sup> Includes Czechoslovakia, German Democratic Republic, Hungary, and Poland.

<sup>3</sup> Not available.

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

## Preface

On December 29, 1989, at the request of the Committee on Ways and Means, U.S. House of Representatives,<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.

<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.

Operation of the VRAs

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

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

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

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

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



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

Country	VRA I	First	Second	Third
		Period 1/	Period 1/	Period 1/
-----Percent-----				
Australia <sup>2</sup> /-----	0.26	0.39	0.49	0.59
Austria-----	0.24	0.25	0.25	0.25
Brazil <sup>2</sup> /-----	1.35	1.80	2.10	2.10
Czechoslovakia-----	0.04	0.04	0.04	0.04
EC <sup>2</sup> /-----	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 <sup>2</sup> /-----	6.19	5.00	5.30	5.30
South Korea <sup>2</sup> /-----	1.92	2.45	2.62	2.62
Mexico <sup>2</sup> /-----	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 <sup>2</sup> /--	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, which includes the electrometallurgical products (or ferroalloy) industry. In the past, this industry, which is not generally defined as part of the steel industry, has represented less than three percent of total employment levels reporting under this SIC.

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

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

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

C O N T E N T S

	<u>Page</u>
Monthly review: Developments in the Mexican steel industry-----	i
Monthly review index-----	viii
U.S. steel industry highlights-----	ix
International steel highlights-----	x
Preface-----	xii
Appendix A: Request letter from the Honorable Dan Rostenkowski, Chairman of the Committee on Ways and Means, U.S. House of Representatives-----	A-1
Appendix B: Notice of continuation of investigation No. 332-226 in the Federal Register-----	B-1
Appendix C: Definitions of certain terms, and descriptions of the products subject to the investigation-----	C-1
Appendix D: October VRA signatories' ceilings tables based on apparent consumption forecasts-----	D-1

Tables

1. Steel: U.S. raw steel production, capability utilization, employ- ment, wages, shipments, imports, exports, apparent consumption, net sales, and net income, 1985-89, and by specified periods, 1989 and 1990-----	1
2. Steel mill products and certain fabricated steel products: U.S. producers' shipments, by product and grade of steel, 1985-89, and by specified periods, 1989 and 1990-----	2
3. Steel mill products and certain fabricated steel products: U.S. imports, by product and grade of steel, 1985-89, and by specified periods, 1989 and 1990-----	3
4. Steel mill products and certain fabricated steel products: U.S. exports of domestic merchandise, by product and grade of steel, 1985-89, and by specified periods, 1989 and 1990-----	4
5. Steel mill products and certain fabricated steel products: Apparent U.S. consumption, by product and grade of steel, 1985-89, and by specified periods, 1989 and 1990-----	5
6. Steel mill products and certain fabricated steel products: U.S. imports as a percent of apparent consumption, by product and grade of steel, 1985-89, and by specified periods, 1989 and 1990-----	6
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-----	7
8. Steel other than semifinished steel: U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	9

## CONTENTS

## Tables

9.	Semifinished steel: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	11
10.	Carbon and certain alloy semifinished steel: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	12
11.	Carbon and certain alloy steel plate: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	14
12.	Carbon and certain alloy steel sheet and strip: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	16
13.	Carbon and certain alloy steel bar and light shapes: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	18
14.	Carbon and certain alloy steel wire rod: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	20
15.	Carbon and certain alloy steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	22
16.	Carbon and certain alloy steel wire products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	24
17.	Carbon and certain alloy steel structural shapes: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	26
18.	Carbon and certain alloy steel rails and related products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	28
19.	Carbon and certain alloy steel pipe and tube: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	30
20.	Total, carbon and certain alloy steel products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	32
21.	Stainless semifinished steel: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	34
22.	Stainless steel plate: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	36
23.	Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	38
24.	Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	40

## CONTENTS

## Tables

25.	Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	42
26.	Stainless steel wire: U.S. imports for consumption by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	44
27.	Stainless steel pipe and tube: U.S. imports for consumption by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	46
28.	Alloy tool steel (all forms): U.S. imports for consumption by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	48
29.	Total, stainless and alloy tool steel products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	50
30.	Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	52
31.	Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1988, 1989, and by specified periods, 1989 and 1990-----	54
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-----	60
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-----	61
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-----	62
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-----	63
36.	Steel mill products and certain fabricated steel products: U.S. imports for consumption, through Off-shore customs area, 1988, 1989, and by specified periods, 1989 and 1990-----	64
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-----	65





Table 1 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	1985-1989					January-August	
	1985	1986	1987	1988	1989	1989	1990
<b>Raw steel:</b>							
Production (1,000 short tons)...	88,259	81,606	89,151	99,924	97,943	67,024	65,835
Capability utilization							
(percent).....	66.1	63.8	79.5	89.2	84.5	86.9	84.6
Continuously cast (percent).....	44.4	55.2	59.8	61.3	64.8	63.5	66.5
<b>Employment:</b>							
Total (thousands) <sup>1</sup> .....	302.6	273.5	268.4	278.5	277.7	280.1	271.3
Production workers							
(thousands) <sup>1</sup> .....	231.5	208.8	202.9	215.5	214.2	216.5	208.3
Hourly employment cost <sup>2</sup>							
(dollars).....	22.81	23.24	23.71	24.65	24.63	24.70	25.59
<b>Steel:</b>							
Shipments (1,000 short tons)....	73,043	70,263	76,654	83,840	84,100	56,815	57,276
Imports (1,000 short tons).....	24,885	21,289	20,938	21,869	18,219	12,278	11,677
Exports (1,000 short tons)*.....	992	980	1,176	2,152	4,778	2,790	2,779
Apparent consumption (1,000 short tons).....	96,936	90,572	96,416	103,558	97,541	66,303	66,174
Ratio of imports to consumption							
(percent).....	25.7	23.5	21.7	21.1	18.7	18.5	17.6
<b>Steel operations:</b>							
Net steel sales (million dollars).....	28,272	24,875	26,933	32,466	31,969	316,463	314,713
Net steel income <sup>4</sup> (million dollars).....	(1,834)	(4,150)	1,077	(567)	1,478	31,468	3656
Ratio of income to net sales							
(percent).....	(6.5)	(16.7)	4	(1.7)	4.6	38.9	34.5

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

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

<sup>3</sup>Figures are for first half only, and are based on reporting companies representing 69.1 percent of total raw steel production and 67.7 percent of total steel shipments.

<sup>4</sup>Quarterly data are for operating (not net) income.

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

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

Item	1985				1986				1987				1988				1989				January-August 1990																																																						
All grades of steel:																																																																											
Semifinished	1,374,524	1,485,249	1,593,216	1,927,658	1,850,245	1,207,186	1,262,056	4,327,347	3,564,806	4,047,919	7,327,887	7,293,115	4,795,039	40,850,298	40,493,141	43,288,266	44,707,915	45,376,975	30,716,642	29,384,373	12,667,539	12,171,142	13,575,114	14,488,773	14,510,007	9,745,694	10,283,876	2,961,769	3,463,827	3,840,494	4,048,230	4,229,889	2,809,767	2,829,193	874,135	802,259	800,063	1,072,698	1,005,407	701,372	656,832	262,268	304,761	304,761	304,761	5,438,404	3,969,414	4,698,305	4,527,632	5,119,714	5,208,754	5,438,404	439,077	322,213	931,313	640,197	514,647	615,303	544,771	2,719,775	3,129,693	4,095,825	2,836,458	3,569,647	4,443,251	4,010,591	2,719,775	3,129,693	73,043,323	70,262,779	76,653,841	83,840,469	84,259,404	56,815,454	57,275,565
Carbon & certain alloy <sup>2/</sup>																																																																											
Steel:																																																																											
Semifinished	1,327,766	1,435,662	1,516,152	1,851,197	1,753,249	1,152,323	1,186,590	4,185,883	3,448,947	3,888,838	7,145,009	7,123,691	4,679,184	40,018,167	39,693,739	42,347,623	43,663,695	44,419,414	30,051,445	28,737,083	12,678,002	11,996,343	13,391,238	14,284,744	14,304,189	9,610,342	10,150,400	2,931,897	3,427,428	3,792,760	3,990,472	4,193,118	2,784,121	2,806,745	851,841	777,604	773,529	1,043,112	980,707	683,977	641,646	262,268	278,068	304,761	304,761	5,438,404	3,969,414	4,698,305	4,527,632	5,119,714	5,208,754	5,438,404	439,077	322,213	931,313	640,197	514,647	615,303	544,771	2,719,775	3,129,693	4,046,771	2,794,218	3,527,867	4,387,761	3,962,470	2,686,223	3,100,694	71,732,213	69,019,838	75,176,909	82,190,047	82,720,013	55,767,594	56,210,911
Stainless & alloy tool steel:																																																																											
Semifinished	46,758	49,587	77,064	76,461	96,996	54,863	75,466	141,464	115,859	159,081	182,878	169,424	115,855	832,131	799,402	940,623	1,044,220	957,561	665,197	647,290	129,267	119,024	125,441	139,752	138,618	91,748	94,159	29,872	36,399	47,754	57,752	36,771	25,646	22,468	22,294	24,655	26,734	29,586	24,700	17,395	15,186	49,054	42,240	41,780	55,490	48,121	33,552	28,999	49,054	42,240	41,780	55,490	48,121	33,552	28,999	60,270	55,775	58,435	64,277	67,200	43,604	39,317	1,311,110	1,242,941	1,476,932	1,650,422	1,539,391	1,047,860	1,064,654						

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	1989					1990	
	1985	1986	1987	1988	1989	1989	1990
<b>All grades of steel:</b>							
Semifinished	2,440,368	2,084,322	2,288,995	2,844,979	2,197,811	1,601,493	1,504,415
Plate	1,772,309	1,456,790	1,566,694	1,872,937	1,437,109	901,768	984,373
Sheet and strip	9,046,089	8,278,604	7,875,891	7,303,964	6,443,362	4,125,799	4,196,850
Bars & certain shapes 1/	1,550,559	1,476,368	1,359,758	1,445,932	1,356,035	993,550	745,043
Wire rod	1,476,145	1,362,753	1,467,030	1,493,833	1,150,116	754,128	738,952
Wire	612,485	582,022	555,981	540,380	494,303	341,480	311,875
Wire products	674,960	636,591	649,377	572,451	703,602	466,044	483,394
Structural shapes & units	2,440,403	2,179,657	2,153,669	2,188,467	1,640,361	1,236,802	724,291
Rails & related products	382,046	275,710	245,988	319,432	322,985	218,732	211,260
Pipe and tube	4,489,287	2,956,303	2,775,091	3,286,690	2,472,802	1,638,220	1,776,567
Total	24,884,651	21,289,120	20,938,474	21,869,065	18,218,486	12,278,086	11,677,000
<b>Carbon &amp; certain alloy 2/</b>							
Semifinished	2,430,078	2,066,700	2,232,270	2,782,572	2,135,690	1,554,941	1,459,920
Plate	1,760,812	1,440,375	1,555,577	1,857,090	1,419,396	890,041	970,627
Sheet and strip	8,910,469	8,127,033	7,746,596	7,185,380	6,302,844	4,036,785	4,097,733
Bars & certain shapes	1,475,447	1,393,731	1,281,168	1,361,113	1,264,305	934,404	690,131
Wire rod	1,456,078	1,344,256	1,474,623	1,474,623	1,128,417	738,684	723,187
Wire	590,317	564,481	536,897	519,727	472,984	326,643	300,021
Wire products	674,960	636,591	649,377	572,451	703,602	466,044	483,394
Structural shapes & units	2,440,403	2,179,657	2,153,669	2,188,467	1,640,361	1,236,802	724,291
Rails & related products	382,046	275,710	245,988	319,432	322,985	218,732	211,260
Pipe and tube	4,457,277	2,923,029	2,748,644	3,249,937	2,435,544	1,610,560	1,744,913
Total	24,577,887	20,951,563	20,598,906	21,510,792	17,826,128	12,013,636	11,405,477
<b>Stainless &amp; alloy tool steel:</b>							
Semifinished	10,290	17,622	56,725	62,407	62,121	46,552	44,496
Plate	11,497	16,415	11,118	15,847	17,713	11,726	13,747
Sheet and strip	135,620	151,571	129,295	118,584	140,519	89,014	99,117
Bars & certain shapes	37,970	37,888	37,991	40,724	43,417	27,347	28,528
Wire rod	20,067	18,496	18,311	19,210	21,698	15,445	15,765
Wire	22,169	17,541	19,084	20,653	21,319	14,837	11,854
Pipe and tube	32,009	33,274	26,448	36,752	37,258	27,730	31,634
Tool steel (all forms)	37,142	44,749	40,599	44,095	48,313	31,799	26,384
Total	306,764	337,556	339,571	358,272	392,358	264,450	271,525

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	1989					1989		1990	
	1985	1986	1987	1988	1989	1989	1990	1989	1990
<b>All grades of steel:</b>									
Semifinished	89,708	58,885	73,543	61,630	390,812	204,144	392,526	204,144	392,526
Plate	82,988	69,565	96,538	119,393	630,689	417,489	229,369	417,489	229,369
Sheet and strip	375,396	507,420	556,991	1,374,056	2,521,649	1,402,058	1,149,428	1,402,058	1,149,428
Bars & certain shapes 1/	99,096	81,224	121,869	141,461	258,640	169,096	247,056	169,096	247,056
Wire rod	4,740	5,876	8,217	10,161	36,093	20,359	42,682	20,359	42,682
Wire	19,146	26,760	26,669	36,668	31,344	20,056	36,193	20,056	36,193
Wire products	19,233	24,731	23,257	27,847	32,160	19,007	26,074	19,007	26,074
Structural shapes & units	89,031	71,525	101,373	111,614	260,750	161,026	321,580	161,026	321,580
Rails & related products	13,430	13,131	15,755	18,855	86,464	57,818	49,687	57,818	49,687
Pipe and tube	192,258	121,050	152,152	250,390	442,992	319,040	284,460	319,040	284,460
Total	992,046	980,167	1,176,367	2,151,875	4,691,593	2,790,093	2,779,055	2,790,093	2,779,055
<b>Carbon &amp; certain alloy 2/</b>									
Semifinished	82,650	57,932	71,362	58,598	376,984	196,345	388,239	196,345	388,239
Plate	74,957	66,042	92,057	107,546	623,412	411,636	222,033	411,636	222,033
Sheet and strip	349,620	477,803	501,010	1,328,485	2,475,995	1,367,876	1,111,912	1,367,876	1,111,912
Bars & certain shapes	89,241	72,134	111,619	124,911	223,749	142,816	230,895	142,816	230,895
Wire rod	3,716	5,049	6,889	8,676	30,588	17,212	38,637	17,212	38,637
Wire	17,182	24,033	22,863	32,209	28,730	18,282	33,902	18,282	33,902
Wire products	19,253	24,731	23,257	27,847	32,160	19,007	26,074	19,007	26,074
Structural shapes & units	89,031	71,525	101,373	111,614	260,750	161,026	321,580	161,026	321,580
Rails & related products	13,430	13,131	15,755	18,855	86,464	57,818	49,687	57,818	49,687
Pipe and tube	193,309	118,010	143,405	244,192	434,925	313,749	274,714	313,749	274,714
Total	932,389	930,390	1,089,590	2,062,933	4,573,757	2,705,767	2,697,673	2,705,767	2,697,673
<b>Stainless &amp; alloy tool steel:</b>									
Semifinished	7,058	953	2,181	2,833	13,829	7,799	4,286	7,799	4,286
Plate	8,031	3,523	4,481	11,847	7,277	5,853	7,337	5,853	7,337
Sheet and strip	25,776	29,617	55,981	45,971	45,653	34,182	37,516	34,182	37,516
Bars & certain shapes	7,762	6,946	7,189	12,047	16,399	11,439	11,161	11,439	11,161
Wire rod	1,024	828	1,328	1,486	5,505	3,147	4,045	3,147	4,045
Wire	1,964	2,728	3,806	4,459	2,614	1,774	2,290	1,774	2,290
Pipe and tube	5,948	3,040	8,751	6,198	8,067	5,291	9,746	5,291	9,746
Total	2,094	2,144	3,061	4,502	18,492	14,841	15,000	14,841	15,000
Total	59,657	49,779	86,778	88,943	117,836	84,326	81,381	84,326	81,381

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	1989				1990	
	1985	1986	1987	1988	1989	1990
<b>All grades of steel:</b>						
Semifinished	3,725,184	3,510,686	3,808,668	4,711,207	3,657,244	2,373,945
Plate	6,016,668	4,952,031	5,518,075	9,081,431	8,099,535	5,279,318
Sheet and strip	49,520,991	48,264,325	50,607,166	50,637,823	49,298,688	33,440,383
Bars & certain shapes 1/	14,119,002	13,566,286	14,813,003	15,793,244	15,607,402	10,781,863
Wire rod	4,433,174	4,820,704	5,299,307	5,531,902	5,343,912	3,525,463
Wire	1,467,474	1,357,521	1,529,375	2,121,014	2,139,808	1,389,834
Wire products	917,975	889,928	930,881	3/	3/	3/
Structural shapes & units	7,049,677	6,635,764	7,172,010	7,285,607	6,818,015	4,372,125
Rails & related products	1,299,929	902,776	744,880	915,880	781,292	483,786
Pipe and tube	8,385,854	5,671,711	6,192,583	7,479,551	6,040,401	4,621,780
<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>66,173,510</b>
<b>Carbon &amp; certain alloy 2/</b>						
Steel:						
Semifinished	3,675,194	3,444,430	3,677,060	4,575,171	3,511,955	2,258,271
Plate	5,871,738	4,823,280	5,352,358	8,894,553	7,919,675	5,157,589
Sheet and strip	48,579,016	47,342,969	49,593,209	49,520,590	48,246,263	31,722,904
Bars & certain shapes	13,864,208	13,317,940	14,560,787	15,520,946	15,344,745	10,609,636
Wire rod	4,384,259	4,766,635	5,234,571	5,456,419	5,290,947	3,491,295
Wire	1,424,976	1,318,052	1,287,363	2,075,234	2,096,403	1,365,085
Wire products	917,975	889,928	930,881	3/	3/	3/
Structural shapes & units	7,049,677	6,635,764	7,172,010	7,285,607	6,818,015	4,372,125
Rails & related products	1,299,929	902,776	744,880	915,880	781,292	483,786
Pipe and tube	8,310,739	5,599,237	6,133,106	7,393,506	5,963,089	4,570,893
<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>64,918,715</b>
<b>Stainless &amp; alloy tool steel:</b>						
Stainless steel:						
Semifinished	49,990	66,256	131,608	136,035	145,288	115,676
Plate	144,930	128,751	165,718	186,878	179,860	148,199
Sheet and strip	941,975	921,356	1,013,957	1,117,233	1,052,427	708,891
Bars & certain shapes	159,475	149,966	156,243	168,429	165,636	111,526
Wire rod	48,915	54,067	64,737	75,482	52,964	34,168
Wire	42,499	39,468	42,012	45,780	43,405	24,750
Pipe and tube	75,115	72,474	59,477	86,044	77,312	50,887
Tool steel (all forms)	95,318	98,380	95,973	103,870	97,021	60,701
<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>1,254,798</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, 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		1990	
<b>All grades of steel:</b>																
Semifinished	65.5	29.5	18.3	11.0	33.3	41.0	73.5	34.6	29.4	59.4	60.1	20.6	17.7	61.5	17.1	63.4
Plate	18.3	17.2	10.9	28.3	42.0	69.8	30.0	30.0	28.4	29.4	17.7	14.4	13.1	17.1	12.3	15.9
Sheet and strip	33.3	41.0	71.5	34.6	29.4	59.4	60.1	20.6	15.6	17.2	13.1	8.8	8.2	12.3	9.4	12.9
Bars and certain shapes 1/	73.5	34.6	29.4	29.4	42.0	69.8	30.0	30.0	15.6	17.2	13.1	8.8	8.2	9.0	6.5	6.5
Wire rod	29.4	42.0	69.8	30.0	41.0	69.8	30.0	30.0	27.7	28.2	21.3	27.0	21.3	21.1	20.7	20.7
Wire	42.0	69.8	30.0	30.0	41.0	69.8	30.0	30.0	27.7	28.2	21.3	27.0	21.3	21.1	20.7	20.7
Wire products	73.5	34.6	29.4	29.4	41.0	69.8	30.0	30.0	27.7	28.2	21.3	27.0	21.3	21.1	20.7	20.7
Structural shapes & units	29.4	42.0	69.8	30.0	41.0	69.8	30.0	30.0	27.7	28.2	21.3	27.0	21.3	21.1	20.7	20.7
Rails & related products	42.0	69.8	30.0	30.0	41.0	69.8	30.0	30.0	27.7	28.2	21.3	27.0	21.3	21.1	20.7	20.7
Pipe and tube	29.4	42.0	69.8	30.0	41.0	69.8	30.0	30.0	27.7	28.2	21.3	27.0	21.3	21.1	20.7	20.7
Total	53.5	25.7	23.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
<b>Carbon &amp; certain alloy 2/</b>																
Semifinished	66.1	30.0	18.3	10.6	33.2	41.0	71.5	34.6	60.7	60.0	60.8	20.9	17.9	61.9	17.3	64.6
Plate	18.3	17.2	10.5	28.2	42.0	69.8	30.0	30.0	29.1	29.9	17.9	14.5	13.1	17.3	12.3	16.1
Sheet and strip	33.2	41.0	71.5	34.6	29.4	59.4	60.1	20.6	15.6	17.2	13.1	8.8	8.2	12.3	9.4	12.9
Bars and certain shapes	71.5	34.6	29.4	29.4	41.0	69.8	30.0	30.0	15.6	17.2	13.1	8.8	8.2	9.0	6.5	6.5
Wire rod	29.4	42.0	69.8	30.0	41.0	69.8	30.0	30.0	27.7	28.2	21.3	27.0	21.3	21.1	20.7	20.7
Wire	42.0	69.8	30.0	30.0	41.0	69.8	30.0	30.0	27.7	28.2	21.3	27.0	21.3	21.1	20.7	20.7
Wire products	73.5	34.6	29.4	29.4	41.0	69.8	30.0	30.0	27.7	28.2	21.3	27.0	21.3	21.1	20.7	20.7
Structural shapes & units	29.4	42.0	69.8	30.0	41.0	69.8	30.0	30.0	27.7	28.2	21.3	27.0	21.3	21.1	20.7	20.7
Rails & related products	42.0	69.8	30.0	30.0	41.0	69.8	30.0	30.0	27.7	28.2	21.3	27.0	21.3	21.1	20.7	20.7
Pipe and tube	29.4	42.0	69.8	30.0	41.0	69.8	30.0	30.0	27.7	28.2	21.3	27.0	21.3	21.1	20.7	20.7
Total	53.6	25.8	23.5	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
<b>Stainless &amp; alloy tool steel:</b>																
Semifinished	20.6	7.9	14.4	23.8	41.0	69.8	30.0	30.0	43.1	26.6	42.8	8.5	9.8	49.7	9.6	38.5
Plate	7.9	16.5	25.3	34.2	44.4	45.4	42.7	42.7	6.7	12.7	13.4	10.6	13.4	9.6	12.4	9.3
Sheet and strip	14.4	23.8	34.2	44.4	45.4	45.4	42.7	42.7	12.8	16.5	13.4	10.6	13.4	9.6	12.4	14.0
Bars & certain shapes	23.8	34.2	44.4	45.4	45.4	45.4	42.7	42.7	24.3	25.3	26.2	24.2	26.2	25.4	25.6	25.6
Wire rod	41.0	44.4	45.4	45.4	45.4	45.4	42.7	42.7	28.3	34.2	41.0	25.4	41.0	40.7	46.1	46.1
Wire	45.4	45.4	45.4	45.4	45.4	45.4	42.7	42.7	45.4	44.4	49.1	45.1	49.1	48.7	47.9	47.9
Pipe and tube	42.7	45.4	45.4	45.4	45.4	45.4	42.7	42.7	45.4	44.4	49.1	45.1	49.1	48.7	47.9	47.9
Tool steel (all forms)	39.0	19.7	19.7	19.7	19.7	19.7	19.7	19.7	42.3	45.5	49.8	42.5	49.8	52.5	43.5	43.5
Total	19.7	22.1	22.1	22.1	22.1	22.1	22.1	22.1	19.6	22.1	21.6	18.7	21.6	21.5	21.6	21.6

1/ Includes tool steel.

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

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

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

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

Item	1988	1989	January--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	282,085	274,578	222,481	192,964
Austria -----	138,101	86,486	46,845	67,286
Brazil -----	1,476,896	1,391,142	1,065,173	849,557
Czechoslovakia -----	37,301	25,693	5,465	3,961
East Germany -----	92,239	55,867	41,723	34,810
EC countries-----	6,276,220	5,676,977	3,639,839	3,426,192
Finland -----	212,989	216,716	143,698	154,906
Hungary -----	30,094	28,420	22,559	22,425
Japan -----	4,343,898	3,695,906	2,542,538	2,088,215
Mexico -----	488,367	467,605	301,679	466,938
Peoples Rep of China -----	68,840	62,028	37,093	43,169
Poland -----	89,648	72,786	40,884	25,470
Romania -----	102,548	49,451	33,752	17,371
Republic of South Africa -----	1,693	756	613	738
Korea, Republic of -----	1,572,602	1,191,970	743,004	999,155
Trinidad and Tobago -----	31,518	48,028	28,096	53,813
Venezuela -----	169,383	173,642	65,662	125,256
Yugoslavia -----	12,751	8,222	4,726	12,998
<b>Total-----</b>	<b>15,427,173</b>	<b>13,526,273</b>	<b>8,985,830</b>	<b>8,585,224</b>
<b>Other countries:</b>				
Canada -----	3,430,920	3,218,260	2,240,630	2,265,508
Sweden -----	575,055	254,507	195,635	171,819
Argentina -----	558,011	227,866	156,340	130,086
Turkey -----	307,985	211,804	149,166	108,438
Taiwan -----	252,112	164,019	108,464	149,939
India -----	100,261	106,110	71,008	68,278
Norway -----	181,502	90,181	66,668	12,018
Singapore -----	153,164	78,918	58,230	23,277
New Zealand -----	88,980	78,564	65,642	60,944
Indonesia -----	281,142	69,344	50,415	23,401
All others-----	512,760	192,639	130,057	78,065
<b>Total-----</b>	<b>6,441,892</b>	<b>4,692,212</b>	<b>3,292,255</b>	<b>3,091,773</b>
<b>Grand total-----</b>	<b>21,869,065</b>	<b>18,218,485</b>	<b>12,278,085</b>	<b>11,676,997</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--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	118,494	126,633	96,081	74,436
Austria -----	82,907	67,871	40,696	50,579
Brazil -----	463,632	473,506	353,318	246,630
Czechoslovakia -----	12,019	8,890	2,029	1,238
East Germany -----	31,340	18,908	14,043	10,615
EC countries -----	2,981,610	2,945,914	1,934,125	1,742,977
Finland -----	101,105	91,999	61,748	70,697
Hungary -----	8,600	9,155	7,311	6,486
Japan -----	2,562,005	2,426,329	1,641,707	1,417,118
Mexico -----	240,693	252,029	152,290	225,112
Peoples Rep of China -----	27,574	34,627	21,251	24,248
Poland -----	30,281	26,614	15,277	9,805
Romania -----	36,063	17,374	12,101	6,186
Republic of South Africa -----	1,487	594	480	563
Korea, Republic of -----	770,065	638,311	384,498	492,404
Trinidad and Tobago -----	8,602	14,695	8,722	14,999
Venezuela -----	53,699	61,681	26,403	46,084
Yugoslavia -----	5,947	3,423	2,059	5,488
<b>Total</b> -----	<b>7,536,123</b>	<b>7,218,553</b>	<b>4,774,139</b>	<b>4,445,665</b>
<b>Other countries:</b>				
Canada -----	1,706,602	1,697,641	1,187,904	1,102,761
Sweden -----	358,878	278,349	199,286	169,121
Argentina -----	221,845	110,210	75,865	63,449
Turkey -----	93,038	65,996	47,607	34,698
Taiwan -----	134,663	107,331	71,888	97,794
India -----	43,769	45,816	29,832	34,214
Norway -----	55,371	33,921	23,800	7,880
Singapore -----	50,365	32,735	22,193	14,094
New Zealand -----	35,995	41,302	32,347	26,566
Indonesia -----	81,687	24,760	17,453	9,691
All others -----	194,569	92,265	63,362	46,840
<b>Total</b> -----	<b>2,976,782</b>	<b>2,530,326</b>	<b>1,771,537</b>	<b>1,607,108</b>
<b>Grand total</b> -----	<b>10,512,905</b>	<b>9,748,879</b>	<b>6,545,676</b>	<b>6,052,773</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-August	
			1989	1990
Quantity (Short tons)				
VRA countries:				
Australia -----	202,683	205,832	158,154	103,526
Austria -----	138,029	86,486	46,845	67,286
Brazil -----	755,083	724,260	508,063	387,018
Czechoslovakia -----	37,301	25,693	5,465	3,961
East Germany -----	92,239	55,867	41,723	34,810
EC-----	5,084,148	4,732,130	3,027,863	2,808,584
Finland -----	209,750	182,165	126,982	154,906
Hungary -----	30,094	28,420	22,559	22,425
Japan -----	4,264,692	3,608,721	2,475,583	2,079,851
Mexico -----	424,451	390,447	225,864	313,457
Peoples Rep of China -----	68,840	62,023	37,087	43,157
Poland -----	89,295	72,493	40,617	25,382
Romania -----	102,548	49,451	33,752	17,371
Republic of South Africa -----	1,693	750	613	738
Korea, Republic of -----	1,515,157	1,125,936	699,772	999,083
Trinidad and Tobago -----	28,460	48,028	28,096	53,813
Venezuela -----	119,720	125,160	65,662	125,256
Yugoslavia -----	12,751	8,222	4,726	12,998
Total-----	13,176,934	11,532,084	7,549,426	7,253,622
Other countries:				
Canada -----	3,327,082	3,098,487	2,154,949	2,113,851
Argentina -----	535,190	227,011	156,278	129,943
Turkey -----	307,985	211,804	149,166	108,438
Sweden -----	269,005	183,284	128,046	151,407
Taiwan -----	252,112	164,018	108,464	149,917
India -----	100,261	106,110	71,008	68,278
Norway -----	116,917	84,304	60,791	12,012
Singapore -----	153,164	78,918	58,230	23,277
New Zealand -----	42,766	78,564	65,642	60,943
Indonesia -----	276,988	69,344	50,415	23,401
All others-----	465,682	186,746	124,176	77,492
Total-----	5,847,152	4,488,590	3,127,165	2,918,959
Grand total-----	19,024,086	16,020,674	10,676,591	10,172,581

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-August	
					1989	1990
Import/consumption ratio (percent)						
VRA countries:						
Australia -----	.2	.2	.2	.3	.2	.2
Austria -----	.1	.1	.1	.1	.1	.1
Brazil -----	.8	.8	.8	.8	.6	.6
Czechoslovakia -----	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
East Germany -----	.1	.1	.1	.1	.1	.1
EC-----	5.2	5.1	5.1	4.8	4.4	4.4
Finland -----	.2	.2	.2	.2	.2	.2
Hungary -----	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
Japan -----	4.4	3.9	3.9	3.9	3.3	3.3
Mexico -----	.4	.4	.4	.4	.5	.5
Peoples Rep of China -----	.1	.1	.1	.1	.1	.1
Poland -----	.1	.1	.1	.1	<u>2/</u>	<u>2/</u>
Romania -----	.1	.1	.1	.1	<u>2/</u>	<u>2/</u>
Republic of South Africa -----	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
Korea, Republic of -----	1.6	1.2	1.2	1.1	1.6	1.6
Trinidad and Tobago -----	<u>2/</u>	.1	.1	<u>2/</u>	.1	.1
Venezuela -----	.1	.1	.1	.1	.2	.2
Yugoslavia -----	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
Total-----	13.5	12.4	12.4	12.0	11.5	11.5
Other countries:						
Canada -----	3.4	3.3	3.3	3.4	3.3	3.3
Argentina -----	.5	.2	.2	.2	.2	.2
Turkey -----	.3	.2	.2	.2	.2	.2
Sweden -----	.3	.2	.2	.2	.2	.2
Taiwan -----	.3	.2	.2	.2	.2	.2
India -----	.1	.1	.1	.1	.1	.1
Norway -----	.1	.1	.1	.1	<u>2/</u>	<u>2/</u>
Singapore -----	.2	.1	.1	.1	<u>2/</u>	<u>2/</u>
New Zealand -----	<u>2/</u>	.1	.1	.1	.1	.1
Indonesia -----	.3	.1	.1	.1	<u>2/</u>	<u>2/</u>
All others-----	.5	.2	.2	.2	.1	.1
Total-----	6.0	4.8	4.8	5.0	4.6	4.6
Grand total-----	19.5	17.2	17.2	16.9	16.1	16.1

<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/	Quantity (short tons)		January--August	
		1988	1989	1989	1990
VRA countries:					
Australia	126,500	79,402	68,747	64,326	89,438
Austria	3/ 979,835	721,813	666,882	557,111	462,539
Brazil	3/	0	0	0	0
Czechoslovakia	3/	0	0	0	0
East Germany	814,743	1,192,072	944,846	611,976	617,609
EC Countries	17,152	3,239	34,551	16,716	0
Finland	3/	0	0	0	0
Hungary	94,339	79,206	87,185	66,955	8,365
Japan	257,287	63,916	77,158	75,816	153,480
Mexico	3/	0	0	0	12
Peoples Rep of China	3/ 353	353	293	267	87
Poland	3/	0	0	0	0
Romania	3/	0	7	0	0
Republic of South Africa	290,520	57,445	66,033	43,232	72
Korea, Republic of	24,250	3,058	0	0	0
Trinidad and Tobago	73,970	49,663	48,482	0	0
Venezuela	3/	0	0	0	0
Yugoslavia	3/	0	0	0	0
Total	5/ 2,250,240	2,250,240	1,994,189	1,436,404	1,331,602
Other countries:					
Canada	5/	103,838	119,773	85,681	151,657
Sweden	2/	306,050	71,223	67,590	20,412
Norway	5/	64,585	5,877	5,877	6
Soviet Union	5/	47,078	5,860	5,860	0
Argentina	5/	22,820	855	62	143
Switzerland	2/	0	31	19	508
Taiwan	5/	0	0	0	22
Israel	5/	0	0	0	0
Indonesia	5/	4,154	0	0	0
Peru	5/	0	0	0	47
All others	5/	46,214	0	0	18
Total	5/	594,739	203,619	165,089	172,813
Grand total	5/	2,844,979	2,197,808	1,601,493	1,504,415

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/ The United States did not renew its voluntary restraint agreement with South Africa. See preface

and notes for explanation.

5/ Not applicable.

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

Table 10.--Carbon and certain alloy 1/<sub>2</sub> semifinished steel: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988		1989		January--August	
	1988	1989	1989	1990	1989	1990
Quantity (short tons)						
<b>VRA countries:</b>						
Australia -----	79,402	68,747	64,326	89,438		
Austria -----	0	0	0	0		
Brazil -----	720,130	666,882	557,111	462,539		
Czechoslovakia -----	0	0	0	0		
East Germany -----	0	0	0	0		
EC countries-----	1,181,448	930,852	600,293	600,660		
Finland -----	3,239	34,551	16,716	0		
Hungary -----	0	0	0	0		
Japan -----	77,271	86,487	66,258	7,854		
Mexico -----	63,916	76,982	75,757	153,242		
Peoples Rep of China -----	0	5	5	12		
Poland -----	279	0	0	45		
Romania -----	0	0	0	0		
Republic of South Africa -----	0	7	0	0		
Korea, Republic of -----	57,445	66,033	43,232	72		
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>1,423,698</b>	<b>1,313,862</b>		
<b>Other countries:</b>						
Canada -----	70,310	83,218	58,603	134,771		
Sweden -----	291,559	60,821	60,821	10,543		
Norway -----	64,585	5,877	5,877	6		
Soviet Union -----	47,078	5,860	5,860	0		
Argentina -----	22,820	855	62	143		
Switzerland -----	2/	31	19	508		
Peru -----	0	0	0	47		
New Zealand -----	46,214	0	0	2/		
Taiwan -----	0	0	0	21		
Indonesia -----	4,154	0	0	0		
All others-----	0	0	0	17		
<b>Total-----</b>	<b>546,720</b>	<b>156,662</b>	<b>131,242</b>	<b>146,056</b>		
<b>Grand total-----</b>	<b>2,782,571</b>	<b>2,135,690</b>	<b>1,554,940</b>	<b>1,459,918</b>		

See footnote(s) at end of table.

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

Item	1988	1989	January--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	15,165	14,426	13,283	17,719
Austria -----	0	0	0	0
Brazil -----	161,215	166,678	138,092	98,813
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	290,884	244,360	159,958	144,783
Finland -----	770	10,811	4,508	0
Hungary -----	0	0	0	0
Japan -----	19,499	24,972	18,314	3,455
Mexico -----	17,342	19,722	19,172	33,283
Peoples Rep of China -----	0	7	7	12
Poland -----	69	0	0	17
Romania -----	0	0	0	0
Republic of South Africa -----	0	18	0	0
Korea, Republic of -----	14,573	16,133	10,557	44
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>363,891</b>	<b>298,126</b>
<b>Other countries:</b>				
Canada -----	21,337	27,484	19,827	36,154
Sweden -----	73,544	15,249	15,249	2,467
Norway -----	14,757	1,288	1,288	40
Soviet Union -----	6,946	843	843	0
Argentina -----	6,147	336	21	116
Switzerland -----	3	155	67	544
Peru -----	0	0	0	44
New Zealand -----	13,489	0	0	7
Taiwan -----	0	0	0	25
Indonesia -----	1,196	0	0	0
All others-----	0	0	0	7
<b>Total-----</b>	<b>137,419</b>	<b>45,355</b>	<b>37,295</b>	<b>39,404</b>
<b>Grand total-----</b>	<b>668,602</b>	<b>552,554</b>	<b>401,186</b>	<b>337,530</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 1/ steel plate: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	5,935	4,634	2,837	2,882
Austria -----	21,426	5,851	3,456	1,463
Brazil -----	171,537	134,769	97,824	44,419
Czechoslovakia -----	16,455	17,274	3,371	2,384
East Germany -----	17,270	10,342	6,927	8,716
EC countries-----	515,974	521,489	285,635	391,570
Finland -----	96,135	108,885	70,979	88,325
Hungary -----	16,146	15,300	12,249	12,156
Japan -----	44,538	45,639	29,556	22,484
Mexico -----	20,867	26,919	12,288	28,183
Peoples Rep of China -----	26	0	0	0
Poland -----	30,860	28,960	15,835	7,586
Romania -----	68,325	35,438	24,179	4,279
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	68,405	46,109	30,790	23,617
Trinidad and Tobago -----	389	2,204	0	0
Venezuela -----	6,653	10,033	4,344	5,791
Yugoslavia -----	1,423	0	0	4,634
<b>Total-----</b>	<b>1,102,364</b>	<b>1,013,846</b>	<b>600,270</b>	<b>648,489</b>
<b>Other countries:</b>				
Canada -----	419,556	266,881	192,637	194,816
Sweden -----	110,743	78,601	55,931	86,044
India -----	34,780	53,828	35,303	32,917
New Zealand -----	3,849	5,544	5,270	5,527
Indonesia -----	84,969	267	203	0
Argentina -----	44,564	233	233	2,817
Turkey -----	5,946	193	193	0
Peru -----	0	2/	2/	0
Israel -----	1,729	0	0	0
Niue -----	158	0	0	0
All others-----	48,430	0	0	17
<b>Total-----</b>	<b>754,724</b>	<b>405,547</b>	<b>289,770</b>	<b>322,138</b>
<b>Grand total-----</b>	<b>1,857,088</b>	<b>1,419,393</b>	<b>890,040</b>	<b>970,627</b>

See footnote(s) at end of table.

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

Item	1988	1989	January--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	3,190	2,371	1,415	1,275
Austria -----	8,467	2,465	1,620	712
Brazil -----	67,413	44,586	31,497	14,670
Czechoslovakia -----	5,280	5,498	921	633
East Germany -----	5,566	3,312	2,238	2,527
EC countries -----	219,700	215,157	122,367	150,051
Finland -----	38,528	39,347	25,857	30,564
Hungary -----	4,494	4,847	3,890	3,520
Japan -----	27,120	27,889	17,793	15,504
Mexico -----	8,122	10,816	5,484	9,358
Peoples Rep of China -----	28	0	0	0
Poland -----	9,971	9,915	5,401	2,308
Romania -----	22,680	11,827	8,231	1,341
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	28,496	17,725	11,791	8,001
Trinidad and Tobago -----	122	630	0	0
Venezuela -----	2,062	3,172	1,459	1,427
Yugoslavia -----	461	0	0	1,834
<b>Total-----</b>	<b>451,700</b>	<b>399,557</b>	<b>239,964</b>	<b>243,725</b>
<b>Other countries:</b>				
Canada -----	175,573	109,513	80,142	71,570
Sweden -----	52,247	39,192	28,289	37,993
India -----	14,024	17,706	10,877	11,267
New Zealand -----	1,350	1,671	1,591	1,466
Indonesia -----	25,597	125	57	0
Argentina -----	14,038	81	81	678
Turkey -----	2,186	88	88	0
Peru -----	0	6	6	0
Israel -----	754	0	0	0
Niue -----	55	0	0	0
All others-----	14,144	0	0	11
<b>Total-----</b>	<b>299,968</b>	<b>168,382</b>	<b>121,131</b>	<b>122,985</b>
<b>Grand total-----</b>	<b>751,668</b>	<b>567,939</b>	<b>361,095</b>	<b>366,710</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/<sub>2</sub> 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--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	169,338	173,844	133,587	82,582
Austria -----	80,141	44,936	24,157	32,348
Brazil -----	279,788	374,903	261,928	134,479
Czechoslovakia -----	0	10	10	0
East Germany -----	50,830	26,330	20,982	13,927
EC countries-----	2,249,090	1,968,270	1,164,173	1,075,733
Finland -----	85,164	56,876	43,041	51,026
Hungary -----	13,211	11,903	9,135	10,237
Japan -----	2,209,538	2,050,376	1,392,490	1,230,947
Mexico -----	139,529	117,694	62,949	96,833
Peoples Rep of China -----	0	456	18	84
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	187,822	542,606
Trinidad and Tobago -----	63	0	0	0
Venezuela -----	57,246	59,756	25,596	42,537
Yugoslavia -----	0	32	32	538
<b>Total-----</b>	<b>5,839,054</b>	<b>5,261,165</b>	<b>3,325,972</b>	<b>3,313,877</b>
<b>Other countries:</b>				
Canada -----	856,040	858,289	585,141	590,697
New Zealand -----	29,118	61,556	52,522	53,174
Taiwan -----	78,901	48,988	26,542	71,913
Argentina -----	243,388	27,348	17,025	28,499
Sweden -----	51,007	21,448	15,313	20,968
Norway -----	14,466	20,341	11,809	10,587
United Arab Emirates -----	0	2,078	2,078	0
Jamamica -----	0	538	0	185
Indonesia -----	20,138	368	160	152
Costa Rica -----	0	287	0	66
All others-----	53,269	438	224	7,615
<b>Total-----</b>	<b>1,346,327</b>	<b>1,041,679</b>	<b>710,814</b>	<b>783,856</b>
<b>Grand total-----</b>	<b>7,185,381</b>	<b>6,302,844</b>	<b>4,036,786</b>	<b>4,097,733</b>

See footnote(s) at end of table.



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

Item	1988	1989	January--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	90,392	96,817	70,977	45,901
Austria -----	31,089	18,681	10,219	12,658
Brazil -----	111,040	149,482	105,197	47,885
Czechoslovakia -----	0	3	3	0
East Germany -----	18,100	9,790	7,655	5,030
EC countries-----	1,045,288	951,315	578,819	503,909
Finland -----	32,525	22,393	17,663	16,109
Hungary -----	3,751	3,739	2,874	2,929
Japan -----	1,211,321	1,198,546	808,640	730,753
Mexico -----	77,632	69,852	37,533	58,356
Peoples Rep of China -----	0	211	7	137
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	76,994	212,146
Trinidad and Tobago -----	19	0	0	0
Venezuela -----	22,121	26,436	10,907	16,767
Yugoslavia -----	0	17	17	294
<b>Total-----</b>	<b>2,860,166</b>	<b>2,711,031</b>	<b>1,727,541</b>	<b>1,652,874</b>
<b>Other countries:</b>				
Canada -----	381,804	403,293	275,391	265,448
New Zealand -----	11,315	27,435	22,808	22,470
Taiwan -----	31,494	22,887	11,898	36,169
Argentina -----	92,033	14,390	9,279	11,198
Sweden -----	39,376	28,193	20,370	19,951
Norway -----	7,909	12,185	7,299	6,343
United Arab Emirates -----	0	926	926	0
Jamamica -----	0	378	0	136
Indonesia -----	7,569	215	76	115
Costa Rica -----	0	228	0	56
All others-----	21,590	528	289	3,065
<b>Total-----</b>	<b>593,090</b>	<b>510,658</b>	<b>348,336</b>	<b>364,951</b>
<b>Grand total-----</b>	<b>3,453,256</b>	<b>3,221,689</b>	<b>2,075,877</b>	<b>2,017,825</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 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--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	826	1,433	384	89
Austria -----	693	541	403	256
Brazil -----	96,561	50,035	35,092	55,970
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	260,337	323,125	211,052	185,874
Finland -----	4,081	4,080	3,072	2,118
Hungary -----	146	0	0	0
Japan -----	107,959	131,880	97,007	56,732
Mexico -----	22,813	16,066	11,001	7,135
Peoples Rep of China -----	3,441	3,916	2,135	3,570
Poland -----	1,282	2,648	2,079	1,396
Romania -----	29	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	74,249	62,652	46,705	30,708
Trinidad and Tobago -----	15,404	16,501	13,908	23,487
Venezuela -----	19,962	10,391	7,104	18,790
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>607,783</b>	<b>623,268</b>	<b>429,942</b>	<b>386,125</b>
<b>Other countries:</b>				
Canada -----	429,634	398,631	290,873	241,880
Turkey -----	102,560	109,153	109,153	25,069
Argentina -----	50,982	48,289	34,763	16,779
Norway -----	36,346	30,234	23,640	0
Singapore -----	19,311	20,159	18,116	1,861
Taiwan -----	32,265	11,752	11,285	416
India -----	11,249	10,492	6,045	8,462
Sweden -----	9,099	3,385	2,564	2,764
Indonesia -----	54,015	3,133	3,133	4,500
Dominican Republic -----	0	3,112	3,112	0
All others-----	7,867	2,699	1,777	2,275
<b>Total-----</b>	<b>753,328</b>	<b>641,039</b>	<b>504,461</b>	<b>304,006</b>
<b>Grand total-----</b>	<b>1,361,111</b>	<b>1,264,307</b>	<b>934,403</b>	<b>690,131</b>

See footnote(s) at end of table.

Table 13.--Carbon and certain alloy <sup>1</sup>/<sub>2</sub> 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--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	332	669	299	32
Austria -----	667	1,024	733	636
Brazil -----	29,058	22,335	15,216	20,089
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	133,388	169,448	110,718	96,558
Finland -----	2,705	3,241	2,272	2,210
Hungary -----	63	0	0	0
Japan -----	49,339	73,081	52,153	36,751
Mexico -----	8,588	5,814	4,059	2,639
Peoples Rep of China -----	1,314	1,526	765	1,666
Poland -----	845	1,517	1,178	872
Romania -----	103	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	20,439	19,087	13,902	10,101
Trinidad and Tobago -----	3,968	5,232	4,457	6,424
Venezuela -----	5,392	3,868	2,884	5,844
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>256,201</b>	<b>306,842</b>	<b>208,636</b>	<b>183,822</b>
<b>Other countries:</b>				
Canada -----	186,448	173,249	124,678	106,083
Turkey -----	28,951	32,827	32,827	9,319
Argentina -----	16,442	18,563	13,358	6,349
Norway -----	8,963	8,213	6,578	0
Singapore -----	5,104	7,950	5,949	536
Taiwan -----	10,022	4,724	4,461	236
India -----	3,952	4,650	2,637	4,188
Sweden -----	5,737	3,160	2,219	4,403
Indonesia -----	14,691	862	862	1,264
Dominican Republic -----	0	821	821	0
All others-----	2,726	1,257	826	1,042
<b>Total-----</b>	<b>283,036</b>	<b>256,276</b>	<b>195,216</b>	<b>133,420</b>
<b>Grand total-----</b>	<b>539,237</b>	<b>563,118</b>	<b>403,852</b>	<b>317,242</b>

<sup>1</sup>/<sub>2</sub> 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--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	9,551	10,783	9,983	6,515
Austria -----	601	1,108	1,108	0
Brazil -----	58,383	57,858	33,760	56,357
Czechoslovakia -----	13,661	2,197	0	0
East Germany -----	16,306	12,583	9,136	10,853
EC countries -----	290,286	212,925	141,549	109,817
Finland -----	2,237	108	108	0
Hungary -----	0	67	67	0
Japan -----	276,003	201,891	139,594	118,807
Mexico -----	58,389	32,373	30,811	25,863
Peoples Rep of China -----	27	25	25	20
Poland -----	7,606	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	875	176	176	10
Trinidad and Tobago -----	11,312	29,203	14,124	29,424
Venezuela -----	8,916	2,065	1,041	16,071
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>754,153</b>	<b>563,362</b>	<b>381,482</b>	<b>373,737</b>
<b>Other countries:</b>				
Canada -----	360,096	400,938	273,595	270,788
Turkey -----	126,791	75,596	18,498	67,588
Indonesia -----	84,414	29,923	24,510	0
Singapore -----	81,904	29,776	21,126	5,197
Sweden -----	18,464	15,095	11,154	4,223
Taiwan -----	16,843	10,071	8,018	772
Egypt -----	11,114	3,157	23	0
Argentina -----	0	276	77	877
United Arab Emirates -----	0	179	179	0
India -----	0	22	22	0
All others -----	20,843	19	0	3
<b>Total-----</b>	<b>720,469</b>	<b>565,052</b>	<b>357,202</b>	<b>349,448</b>
<b>Grand total-----</b>	<b>1,474,622</b>	<b>1,128,414</b>	<b>738,684</b>	<b>723,185</b>

See footnote(s) at end of table.

Table 14.--Carbon and certain alloy <sup>1</sup>/ <sub>steel wire rod: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued</sub>

Item	1988	1989	January--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	2,103	2,439	2,226	1,707
Austria -----	248	297	297	0
Brazil -----	16,380	16,652	9,513	14,551
Czechoslovakia -----	3,234	549	0	0
East Germany -----	3,547	3,014	2,186	2,518
EC countries -----	109,528	82,681	55,618	40,491
Finland -----	741	35	35	0
Hungary -----	0	30	30	0
Japan -----	124,039	96,067	66,277	54,561
Mexico -----	15,344	8,234	7,917	6,935
Peoples Rep of China -----	9	7	7	9
Poland -----	1,612	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	389	112	112	5
Trinidad and Tobago -----	3,293	8,770	4,217	8,293
Venezuela -----	2,000	594	289	3,996
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>282,467</b>	<b>219,481</b>	<b>148,724</b>	<b>133,066</b>
<b>Other countries:</b>				
Canada -----	130,836	145,073	98,889	96,367
Turkey -----	32,337	20,896	5,253	17,454
Indonesia -----	20,363	8,363	6,724	0
Singapore -----	21,983	9,390	6,824	1,678
Sweden -----	9,831	12,842	9,273	3,751
Taiwan -----	6,764	4,247	3,401	290
Egypt -----	2,650	920	7	0
Argentina -----	0	137	38	378
United Arab Emirates -----	0	149	149	0
India -----	0	11	11	0
All others-----	4,578	6	0	1
<b>Total-----</b>	<b>229,342</b>	<b>202,034</b>	<b>130,569</b>	<b>119,919</b>
<b>Grand total-----</b>	<b>511,809</b>	<b>421,515</b>	<b>279,293</b>	<b>252,985</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 1/ steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	4,488	4,189	2,930	2,879
Austria -----	1,731	1,782	1,227	1,071
Brazil -----	14,128	9,397	7,577	6,338
Czechoslovakia -----	0	24	24	0
East Germany -----	0	0	0	0
EC countries-----	168,480	139,816	99,983	80,116
Finland -----	476	368	65	660
Hungary -----	0	0	0	0
Japan -----	78,468	67,924	48,144	45,468
Mexico -----	2,712	1,407	743	2,121
Peoples Rep of China -----	9,720	12,165	7,691	6,342
Poland -----	116	201	112	83
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	7,736	7,512	4,244	3,007
Trinidad and Tobago -----	1,060	0	0	0
Venezuela -----	5,996	5,906	2,264	4,293
Yugoslavia -----	3	0	0	0
<b>Total-----</b>	<b>295,114</b>	<b>250,691</b>	<b>175,004</b>	<b>152,378</b>
<b>Other countries:</b>				
Canada -----	193,243	183,779	126,707	122,691
Argentina -----	2,491	11,276	6,916	8,135
Sweden -----	7,532	7,601	4,593	4,534
India -----	4,108	5,266	3,503	4,416
Chile -----	2,146	3,630	1,918	682
Taiwan -----	4,897	3,548	2,408	4,839
Ecuador -----	1,430	2,134	1,898	118
Switzerland -----	2,591	1,653	1,374	522
Norway -----	1,312	1,328	637	976
Hong Kong -----	9	763	763	2
All others-----	4,856	1,315	922	729
<b>Total-----</b>	<b>224,615</b>	<b>222,293</b>	<b>151,639</b>	<b>147,644</b>
<b>Grand total-----</b>	<b>519,729</b>	<b>472,984</b>	<b>326,643</b>	<b>300,022</b>

See footnote(s) at end of table.

Table 15.--Carbon and certain alloy <sup>1</sup>/<sub>2</sub> steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	2,018	1,844	1,313	1,212
Austria -----	2,584	2,976	1,987	2,127
Brazil -----	6,207	5,122	4,030	3,302
Czechoslovakia -----	0	16	16	0
East Germany -----	0	0	0	0
EC countries -----	141,210	126,019	90,293	76,257
Finland -----	231	198	20	396
Hungary -----	0	0	0	0
Japan -----	61,637	57,930	40,804	40,364
Mexico -----	1,320	914	501	1,288
Peoples Rep of China -----	4,165	5,530	3,432	2,912
Poland -----	59	129	59	52
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	4,667	4,890	2,764	2,188
Trinidad and Tobago -----	354	0	0	0
Venezuela -----	3,096	3,410	1,419	2,381
Yugoslavia -----	9	0	0	0
<b>Total-----</b>	<b>227,557</b>	<b>208,978</b>	<b>146,638</b>	<b>132,479</b>
<b>Other countries:</b>				
Canada -----	109,405	112,002	76,439	75,427
Argentina -----	1,245	5,051	3,076	3,676
Sweden -----	10,678	9,482	6,234	5,702
India -----	1,518	1,974	1,283	1,653
Chile -----	946	2,041	1,044	412
Taiwan -----	2,903	3,186	2,304	3,047
Ecuador -----	652	1,059	937	62
Switzerland -----	1,525	1,062	889	333
Norway -----	1,177	1,095	509	761
Hong Kong -----	2	346	346	36
All others -----	1,291	726	496	294
<b>Total-----</b>	<b>131,342</b>	<b>138,024</b>	<b>93,557</b>	<b>91,403</b>
<b>Grand total-----</b>	<b>358,899</b>	<b>347,002</b>	<b>240,195</b>	<b>223,882</b>

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

Item	1988	1989	January--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	5	20	19	5
Austria -----	956	4,043	3,040	2,363
Brazil -----	15,018	10,401	8,279	9,613
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	38,365	86,677	59,268	58,023
Finland -----	1	51	48	<u>2</u>
Hungary -----	0	42	0	18
Japan -----	23,536	52,650	36,146	40,362
Mexico -----	13,693	24,461	16,181	21,336
Peoples Rep of China -----	36,866	42,981	26,250	31,978
Poland -----	16,070	15,255	9,717	7,318
Romania -----	143	0	0	0
Republic of South Africa -----	1,550	730	613	0
Korea, Republic of -----	192,127	178,804	113,977	131,606
Trinidad and Tobago -----	94	0	0	295
Venezuela -----	1,352	16,639	12,586	8,499
Yugoslavia -----	7,314	5,961	3,607	3,808
<b>Total-----</b>	<b>347,090</b>	<b>438,715</b>	<b>289,731</b>	<b>315,224</b>
<b>Other countries:</b>				
Canada -----	98,251	114,763	78,797	79,526
Indonesia -----	18,621	27,489	14,394	18,043
Thailand -----	8,627	20,808	14,408	4,310
Taiwan -----	13,715	17,331	11,383	10,290
Argentina -----	18,002	16,702	12,676	10,043
United Arab Emirates -----	20,059	14,854	11,909	8,621
Turkey -----	23,631	10,713	7,077	9,544
Saudi Arabia -----	3,718	8,784	5,822	4,890
Chile -----	8,459	8,642	4,773	5,484
India -----	4,571	8,233	5,015	3,720
All others-----	7,707	16,568	10,062	13,699
<b>Total-----</b>	<b>225,361</b>	<b>264,887</b>	<b>176,316</b>	<b>168,170</b>
<b>Grand total-----</b>	<b>572,451</b>	<b>703,602</b>	<b>466,047</b>	<b>483,394</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--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	20	37	25	23
Austria -----	1,556	8,634	6,467	6,307
Brazil -----	7,169	6,038	4,673	5,207
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	33,725	135,555	88,846	106,754
Finland -----	96	67	33	6
Hungary -----	0	23	0	7
Japan -----	28,992	97,473	67,062	72,402
Mexico -----	8,903	17,781	11,312	17,301
Peoples Rep of China -----	14,640	25,832	16,342	18,284
Poland -----	5,403	5,354	3,308	2,860
Romania -----	44	0	0	0
Republic of South Africa -----	792	558	476	0
Korea, Republic of -----	138,561	158,567	99,887	114,723
Trinidad and Tobago -----	27	0	0	116
Venezuela -----	387	5,224	3,924	3,367
Yugoslavia -----	3,027	2,456	1,574	1,531
<b>Total-----</b>	<b>243,342</b>	<b>463,599</b>	<b>303,929</b>	<b>348,888</b>
<b>Other countries:</b>				
Canada -----	70,198	93,747	63,780	65,723
Indonesia -----	6,881	11,595	6,218	7,958
Thailand -----	5,332	9,521	6,387	2,559
Taiwan -----	12,448	19,677	13,121	11,606
Argentina -----	7,943	8,930	6,661	5,387
United Arab Emirates -----	7,562	5,992	4,764	4,286
Turkey -----	8,700	5,485	3,590	5,136
Saudi Arabia -----	1,239	3,255	2,085	2,079
Chile -----	3,991	4,476	2,578	3,144
India -----	2,659	5,467	3,498	2,655
All others-----	6,778	21,186	13,822	15,602
<b>Total-----</b>	<b>133,731</b>	<b>189,331</b>	<b>126,504</b>	<b>126,135</b>
<b>Grand total-----</b>	<b>377,073</b>	<b>652,930</b>	<b>430,433</b>	<b>475,023</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  $\frac{1}{2}$  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--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	139	312	291	20
Austria -----	1,541	684	478	192
Brazil -----	20,210	11,638	8,929	3,940
Czechoslovakia -----	0	0	0	0
East Germany -----	0	92	92	0
EC countries -----	903,438	790,065	590,634	389,806
Finland -----	118	2,669	2,568	11
Hungary -----	0	0	0	0
Japan -----	590,217	373,632	312,196	84,555
Mexico -----	24,912	17,588	10,837	23,244
Peoples Rep of China -----	208	874	420	908
Poland -----	14,059	20,441	8,103	4,549
Romania -----	19	168	130	74
Republic of South Africa -----	143	0	0	0
Korea, Republic of -----	169,302	81,616	70,111	3,279
Trinidad and Tobago -----	0	120	65	606
Venezuela -----	2/	112	50	84
Yugoslavia -----	263	0	0	0
<b>Total</b> -----	<b>1,724,569</b>	<b>1,300,011</b>	<b>1,004,904</b>	<b>511,268</b>
<b>Other countries:</b>				
Canada -----	338,187	249,815	167,457	196,090
Norway -----	64,361	31,897	24,391	2/
Argentina -----	27,523	30,494	23,537	5,024
New Zealand -----	8,242	8,945	5,664	1,360
Taiwan -----	9,020	6,899	4,847	4,492
Mauritius -----	0	4,723	0	0
Indonesia -----	4,074	3,269	3,251	45
India -----	459	1,743	968	461
Singapore -----	3,129	1,102	633	3,488
Sweden -----	3,925	991	847	1,256
All others -----	4,979	474	303	806
<b>Total</b> -----	<b>463,899</b>	<b>340,352</b>	<b>231,898</b>	<b>213,022</b>
<b>Grand total</b> -----	<b>2,188,468</b>	<b>1,640,363</b>	<b>1,236,802</b>	<b>724,290</b>

See footnote(s) at end of table.

Table 17.--Carbon and certain alloy <sup>1/</sup> 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--August	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	135	902	884	37
Austria -----	1,865	1,780	1,303	973
Brazil -----	8,055	5,564	3,986	2,521
Czechoslovakia -----	0	0	0	0
East Germany -----	0	28	28	0
EC countries -----	356,905	308,492	230,263	147,253
Finland -----	248	4,129	3,463	36
Hungary -----	0	0	0	0
Japan -----	228,010	159,837	131,185	40,752
Mexico -----	11,585	8,817	5,487	15,522
Peoples Rep of China -----	154	669	354	694
Poland -----	3,587	6,446	2,365	1,228
Romania -----	11	73	55	28
Republic of South Africa -----	694	0	0	0
Korea, Republic of -----	84,018	43,704	28,472	2,673
Trinidad and Tobago -----	0	63	48	166
Venezuela -----	1	83	15	27
Yugoslavia -----	393	0	0	0
<b>Total-----</b>	<b>695,661</b>	<b>540,587</b>	<b>407,908</b>	<b>211,910</b>
Other countries:				
Canada -----	201,529	154,010	103,863	107,845
Norway -----	21,943	10,401	7,683	5
Argentina -----	7,274	10,137	7,720	1,822
New Zealand -----	8,814	10,505	6,519	1,725
Taiwan -----	5,476	6,383	4,691	3,489
Mauritius -----	0	1,521	0	0
Indonesia -----	1,173	971	951	20
India -----	371	1,195	634	399
Singapore -----	2,903	1,013	414	4,420
Sweden -----	5,413	2,805	2,330	2,647
All others-----	4,246	1,402	1,181	1,727
<b>Total-----</b>	<b>259,142</b>	<b>200,343</b>	<b>135,986</b>	<b>124,099</b>
<b>Grand total-----</b>	<b>954,803</b>	<b>740,930</b>	<b>543,894</b>	<b>336,009</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 18.--Carbon and certain alloy 1/<sub>2</sub> 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--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	2	3,567	2,683	3,067
Austria -----	703	5,805	4,616	3,821
Brazil -----	4,553	2,942	2,239	645
Czechoslovakia -----	0	0	0	0
East Germany -----	1	0	0	0
EC countries -----	52,358	53,518	38,676	25,650
Finland -----	3	0	0	2
Hungary -----	4	0	0	14
Japan -----	79,347	83,624	59,120	65,302
Mexico -----	26	380	282	35
Peoples Rep of China -----	25	455	427	53
Poland -----	0	105	105	0
Romania -----	0	0	0	0
Republic of South Africa -----	2/	20	0	738
Korea, Republic of -----	6,919	6,670	5,844	2,190
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>113,992</b>	<b>101,517</b>
<b>Other countries:</b>				
Canada -----	172,077	151,966	102,978	109,042
Soviet Union -----	0	9,875	0	0
Argentina -----	6	2,579	994	2
Sweden -----	3,064	876	320	314
Taiwan -----	128	417	323	177
Colombia -----	0	77	54	38
Chile -----	0	48	11	15
Turkey -----	0	22	22	86
Israel -----	0	20	20	23
Honduras -----	2/	9	9	7
All others-----	140	11	9	37
<b>Total-----</b>	<b>175,415</b>	<b>165,900</b>	<b>104,740</b>	<b>109,741</b>
<b>Grand total-----</b>	<b>319,433</b>	<b>322,986</b>	<b>218,732</b>	<b>211,258</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--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	7	3,841	3,097	3,195
Austria -----	299	3,284	2,604	2,945
Brazil -----	3,751	2,544	1,895	539
Czechoslovakia -----	0	0	0	0
East Germany -----	5	0	0	0
EC countries-----	25,214	28,589	20,081	16,053
Finland -----	14	0	0	26
Hungary -----	25	0	0	30
Japan -----	38,835	46,028	32,244	36,060
Mexico -----	37	380	286	55
Peoples Rep of China -----	9	221	204	43
Poland -----	0	49	49	0
Romania -----	0	0	0	0
Republic of South Africa -----	1	14	0	563
Korea, Republic of -----	2,580	3,408	2,915	1,303
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>63,375</b>	<b>60,812</b>
<b>Other countries:</b>				
Canada -----	50,140	59,757	44,234	27,192
Soviet Union -----	0	1,290	0	0
Argentina -----	17	803	311	10
Sweden -----	1,001	600	285	485
Taiwan -----	294	797	554	412
Colombia -----	0	258	178	139
Chile -----	0	25	7	8
Turkey -----	0	13	13	58
Israel -----	0	25	25	12
Honduras -----	2	4	4	4
All others-----	115	71	54	118
<b>Total-----</b>	<b>51,569</b>	<b>63,643</b>	<b>45,665</b>	<b>28,438</b>
<b>Grand total-----</b>	<b>122,370</b>	<b>152,001</b>	<b>109,040</b>	<b>89,250</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/ 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--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	12,375	7,022	5,421	5,107
Austria -----	26,408	17,756	5,558	23,228
Brazil -----	87,724	64,098	46,731	68,889
Czechoslovakia -----	7,164	6,156	2,060	1,577
East Germany -----	7,828	6,520	4,586	1,312
EC countries -----	488,108	504,008	346,482	407,094
Finland -----	12,755	6,000	5,359	2,770
Hungary -----	585	1,109	1,109	0
Japan -----	790,770	507,942	301,807	363,045
Mexico -----	131,349	138,081	72,704	92,668
Peoples Rep of China -----	18,422	973	48	0
Poland -----	8,048	4,658	4,465	4,264
Romania -----	27,284	13,778	9,386	13,019
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	496,059	353,671	232,002	251,967
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	19,510	20,192	12,677	29,032
Yugoslavia -----	3,732	2,226	1,085	3,964
<b>Total-----</b>	<b>2,138,121</b>	<b>1,654,190</b>	<b>1,051,480</b>	<b>1,267,936</b>
<b>Other countries:</b>				
Canada -----	436,372	451,459	321,453	292,725
Argentina -----	148,192	89,608	59,942	57,711
Taiwan -----	88,055	60,719	40,860	50,834
Thailand -----	148,259	34,384	34,360	1,945
Singapore -----	47,545	27,492	18,283	12,049
India -----	44,486	25,404	19,362	14,571
Sweden -----	26,842	21,424	14,210	12,502
Turkey -----	32,001	16,107	14,204	6,131
Algeria -----	21,502	9,430	5,826	1,228
Israel -----	12,714	9,397	7,717	10,175
All others-----	105,850	35,930	22,860	17,105
<b>Total-----</b>	<b>1,111,818</b>	<b>781,354</b>	<b>559,077</b>	<b>476,976</b>
<b>Grand total-----</b>	<b>3,249,939</b>	<b>2,435,544</b>	<b>1,610,557</b>	<b>1,744,912</b>

See footnote(s) at end of table.

Table 19.--Carbon and certain alloy <sup>1</sup>/<sub>2</sub> 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--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	4,959	3,151	2,470	2,431
Austria -----	23,494	13,811	4,935	14,111
Brazil -----	41,170	36,362	26,961	26,749
Czechoslovakia -----	3,472	2,779	1,090	605
East Germany -----	4,115	2,763	1,936	532
EC countries-----	346,165	330,377	230,717	251,084
Finland -----	5,624	2,987	2,589	1,450
Hungary -----	266	517	517	0
Japan -----	597,887	378,193	234,302	243,993
Mexico -----	71,872	74,372	40,067	47,861
Peoples Rep of China -----	7,066	360	32	0
Poland -----	3,115	2,105	1,960	1,815
Romania -----	11,018	5,411	3,770	4,817
Republic of South Africa ----	0	0	0	0
Korea, Republic of -----	239,742	176,982	115,384	118,890
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	7,535	8,737	5,506	12,050
Yugoslavia -----	2,036	946	464	1,711
<b>Total-----</b>	<b>1,369,536</b>	<b>1,039,853</b>	<b>672,700</b>	<b>728,099</b>
<b>Other countries:</b>				
Canada -----	266,692	281,447	200,443	178,791
Argentina -----	76,641	51,423	35,109	33,732
Taiwan -----	39,591	28,827	20,655	22,514
Thailand -----	58,119	14,718	14,706	757
Singapore -----	19,833	13,215	8,859	5,427
India -----	20,173	11,846	8,797	5,861
Sweden -----	23,510	23,653	15,238	14,645
Turkey -----	14,568	6,678	5,828	2,716
Algeria -----	5,957	2,531	1,384	452
Israel -----	6,218	4,759	3,933	4,729
All others-----	48,029	17,951	11,540	9,195
<b>Total-----</b>	<b>579,331</b>	<b>457,048</b>	<b>326,492</b>	<b>278,819</b>
<b>Grand total-----</b>	<b>1,948,867</b>	<b>1,496,901</b>	<b>999,192</b>	<b>1,006,918</b>

<sup>1</sup>/<sub>2</sub> Certain alloy refers to alloy steel other than stainless or tool steel.

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

Table 20. Total, carbon and certain 1/ alloy steel products: U.S. imports for consumption, by principal sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	282,061	274,550	222,462	192,584
Austria -----	134,200	82,507	44,044	64,742
Brazil -----	1,468,033	1,382,924	1,059,469	843,190
Czechoslovakia -----	37,280	25,660	5,465	3,961
East Germany -----	92,234	55,867	41,723	34,808
EC countries-----	6,147,884	5,530,746	3,537,745	3,324,342
Finland -----	204,209	213,588	141,957	144,912
Hungary -----	30,094	28,420	22,559	22,425
Japan -----	4,277,647	3,602,047	2,482,319	2,035,556
Mexico -----	478,207	451,951	293,554	450,661
Peoples Rep of China -----	68,735	61,850	37,019	42,967
Poland -----	89,325	72,268	40,416	25,241
Romania -----	102,530	49,436	33,747	17,371
Republic of South Africa -----	1,693	756	613	738
Korea, Republic of -----	1,560,497	1,178,972	734,906	989,062
Trinidad and Tobago -----	31,380	48,028	28,096	53,813
Venezuela -----	169,376	173,574	65,662	125,098
Yugoslavia -----	12,734	8,219	4,724	12,944
<b>Total-----</b>	<b>15,188,119</b>	<b>13,241,363</b>	<b>8,796,480</b>	<b>8,384,415</b>
<b>Other countries:</b>				
Canada -----	3,373,766	3,159,739	2,198,241	2,233,025
Argentina -----	557,969	227,661	156,224	130,029
Sweden -----	522,294	212,323	167,228	144,651
Turkey -----	307,985	211,804	149,166	108,438
Taiwan -----	243,886	159,725	105,666	143,755
India -----	99,714	104,994	70,223	64,553
Norway -----	181,502	90,181	66,668	12,018
Singapore -----	153,163	78,598	58,206	22,595
New Zealand -----	88,979	78,564	65,642	60,944
Indonesia -----	281,142	69,342	50,413	23,401
All others-----	512,272	191,835	129,478	77,649
<b>Total-----</b>	<b>6,322,672</b>	<b>4,584,766</b>	<b>3,217,155</b>	<b>3,021,058</b>
<b>Grand total-----</b>	<b>21,510,791</b>	<b>17,826,129</b>	<b>12,013,635</b>	<b>11,405,473</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--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	118,320	126,499	95,990	73,532
Austria -----	70,268	52,952	30,165	40,469
Brazil -----	451,458	455,362	341,059	234,327
Czechoslovakia -----	11,986	8,844	2,029	1,238
East Germany -----	31,334	18,908	14,043	10,607
EC countries-----	2,702,007	2,591,992	1,687,680	1,533,192
Finland -----	81,482	83,209	56,440	50,796
Hungary -----	8,600	9,155	7,311	6,486
Japan -----	2,386,680	2,160,017	1,468,775	1,274,596
Mexico -----	220,745	216,702	131,818	192,597
Peoples Rep of China -----	27,385	34,364	21,152	23,757
Poland -----	29,711	25,514	14,320	9,152
Romania -----	36,033	17,347	12,092	6,186
Republic of South Africa -----	1,487	590	476	563
Korea, Republic of -----	743,129	604,322	362,776	470,074
Trinidad and Tobago -----	8,400	14,695	8,722	14,999
Venezuela -----	53,667	61,595	26,403	45,858
Yugoslavia -----	5,925	3,419	2,056	5,370
<b>Total-----</b>	<b>6,988,617</b>	<b>6,485,486</b>	<b>4,283,307</b>	<b>3,993,799</b>
<b>Other countries:</b>				
Canada -----	1,593,962	1,559,576	1,087,685	1,030,602
Argentina -----	221,780	109,850	75,656	63,345
Sweden -----	221,486	141,425	104,212	95,870
Turkey -----	93,038	65,996	47,607	34,698
Taiwan -----	109,041	90,727	61,085	77,788
India -----	42,731	42,851	27,739	26,043
Norway -----	55,371	33,914	23,795	7,874
Singapore -----	50,360	31,647	22,112	12,062
New Zealand -----	35,993	41,302	32,347	26,566
Indonesia -----	81,687	24,707	17,399	9,691
All others-----	192,526	89,098	61,113	45,036
<b>Total-----</b>	<b>2,697,975</b>	<b>2,231,093</b>	<b>1,560,750</b>	<b>1,429,575</b>
<b>Grand total-----</b>	<b>9,686,592</b>	<b>8,716,579</b>	<b>5,844,057</b>	<b>5,423,374</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--August	
			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	11,683	16,949
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	1,935	698	698	510
Mexico -----	0	176	58	239
Peoples Rep of China -----	0	0	0	0
Poland -----	74	293	267	42
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>12,706</b>	<b>17,740</b>
<b>Other countries:</b>				
Canada -----	33,527	36,556	27,078	16,886
Sweden -----	14,491	10,403	6,769	9,868
Taiwan -----	0	1/	1/	1/
Israel -----	0	1/	1/	0
<b>Total</b> -----	<b>48,018</b>	<b>46,959</b>	<b>33,847</b>	<b>26,754</b>
<b>Grand total</b> -----	<b>62,407</b>	<b>62,121</b>	<b>46,553</b>	<b>44,494</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--August	
			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	8,720	13,180
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	2,906	1,413	1,410	729
Mexico -----	0	448	121	540
Peoples Rep of China -----	0	0	0	0
Poland -----	102	532	473	95
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>10,724</b>	<b>14,544</b>
<b>Other countries:</b>				
Canada -----	52,871	68,918	52,945	24,100
Sweden -----	23,240	23,075	16,219	16,250
Taiwan -----	0	16	16	8
Israel -----	0	5	5	0
Hong Kong -----	0	2	2	0
<b>Total-----</b>	<b>76,111</b>	<b>92,016</b>	<b>69,187</b>	<b>40,358</b>
<b>Grand total-----</b>	<b>93,015</b>	<b>106,981</b>	<b>79,911</b>	<b>54,902</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--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	249	197	103	75
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	7,364	12,024	8,081	5,955
Finland -----	2,730	1,746	959	4,846
Hungary -----	0	0	0	0
Japan -----	2,225	1,542	1,145	1,582
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	300
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>10,297</b>	<b>12,758</b>
<b>Other countries:</b>				
Sweden -----	2,779	2,014	1,292	835
Canada -----	371	177	136	153
Anguilla -----	5	0	0	0
<b>Total-----</b>	<b>3,155</b>	<b>2,191</b>	<b>1,428</b>	<b>988</b>
<b>Grand total-----</b>	<b>15,848</b>	<b>17,714</b>	<b>11,725</b>	<b>13,746</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--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	953	915	481	266
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	15,635	35,694	23,545	13,313
Finland -----	6,147	4,883	2,970	9,707
Hungary -----	0	0	0	0
Japan -----	4,514	4,544	3,282	3,533
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	532
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>30,294</b>	<b>27,351</b>
<b>Other countries:</b>				
Sweden -----	6,775	5,970	3,892	2,312
Canada -----	889	425	346	255
Anguilla -----	9	0	0	0
<b>Total</b> -----	<b>7,673</b>	<b>6,395</b>	<b>4,238</b>	<b>2,567</b>
<b>Grand total</b> -----	<b>34,972</b>	<b>52,458</b>	<b>34,532</b>	<b>29,918</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--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	9	0	0
Austria -----	29	16	12	7
Brazil -----	313	0	0	1,802
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	60,758	63,478	42,360	37,309
Finland -----	6,045	1,376	775	5,147
Hungary -----	0	0	0	0
Japan -----	22,393	45,581	27,933	27,118
Mexico -----	8,814	14,968	7,693	15,543
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	4,242	4,576
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	5	0	0	0
Yugoslavia -----	0	0	0	20
<b>Total-----</b>	<b>106,202</b>	<b>132,303</b>	<b>83,015</b>	<b>91,522</b>
<b>Other countries:</b>				
Sweden -----	8,433	5,978	4,188	3,870
Canada -----	3,838	2,234	1,811	1,663
Singapore -----	0	4	0	8
India -----	90	0	0	2,055
Peru -----	2	0	0	0
Honduras -----	19	0	0	0
<b>Total-----</b>	<b>12,382</b>	<b>8,216</b>	<b>5,999</b>	<b>7,596</b>
<b>Grand total-----</b>	<b>118,584</b>	<b>140,519</b>	<b>89,014</b>	<b>99,118</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--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	12	0	0
Austria -----	136	79	61	30
Brazil -----	480	0	0	3,087
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	122,326	138,830	94,331	71,002
Finland -----	13,459	3,850	2,280	10,192
Hungary -----	0	0	0	0
Japan -----	50,112	95,498	59,722	55,004
Mexico -----	16,454	33,463	19,297	30,242
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	11,039	7,991
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	21	0	0	0
Yugoslavia -----	0	0	0	32
<b>Total-----</b>	<b>220,331</b>	<b>288,293</b>	<b>186,730</b>	<b>177,580</b>
<b>Other countries:</b>				
Sweden -----	24,684	21,181	14,709	12,762
Canada -----	9,552	7,123	5,859	4,466
Singapore -----	0	17	0	36
India -----	172	0	0	3,796
Peru -----	26	0	0	0
Honduras -----	35	0	0	0
<b>Total-----</b>	<b>34,469</b>	<b>28,321</b>	<b>20,568</b>	<b>21,060</b>
<b>Grand total-----</b>	<b>254,800</b>	<b>316,614</b>	<b>207,298</b>	<b>198,640</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--August	
	1988	1989	1989	1990	1989	1990
Quantity (short tons)						
<b>VRA countries:</b>						
Australia -----	0	0	0	0	0	0
Austria -----	183	200	143	104	143	104
Brazil -----	3,827	4,497	3,044	1,991	3,044	1,991
Czechoslovakia -----	0	0	0	0	0	0
East Germany -----	0	0	0	0	0	0
EC countries-----	12,705	10,400	6,489	7,667	6,489	7,667
Finland -----	0	0	0	1/	0	1/
Hungary -----	0	0	0	0	0	0
Japan -----	16,715	20,286	13,047	10,875	13,047	10,875
Mexico -----	49	18	0	19	0	19
Peoples Rep of China -----	2	7	0	0	0	0
Poland -----	0	0	0	0	0	0
Romania -----	18	15	5	0	5	0
Republic of South Africa -----	0	0	0	0	0	0
Korea, Republic of -----	1,604	3,165	1,994	1,845	1,994	1,845
Trinidad and Tobago -----	0	0	0	0	0	0
Venezuela -----	0	0	0	0	0	0
Yugoslavia -----	0	0	0	34	0	34
<b>Total-----</b>	<b>35,103</b>	<b>38,588</b>	<b>24,722</b>	<b>22,535</b>	<b>24,722</b>	<b>22,535</b>
<b>Other countries:</b>						
Sweden -----	3,708	2,727	1,634	2,111	1,634	2,111
Canada -----	1,641	1,711	775	3,254	775	3,254
India -----	224	214	91	600	91	600
Argentina -----	0	93	49	14	49	14
Taiwan -----	49	59	59	3	59	3
Switzerland -----	1/	13	5	11	5	11
Jordan -----	0	10	10	0	10	0
Indonesia -----	0	2	2	0	2	0
Singapore -----	0	1/	0	0	0	0
Israel -----	0	1/	0	0	0	0
All others-----	1/	0	0	0	0	0
<b>Total-----</b>	<b>5,622</b>	<b>4,829</b>	<b>2,625</b>	<b>5,993</b>	<b>2,625</b>	<b>5,993</b>
<b>Grand total-----</b>	<b>40,725</b>	<b>43,417</b>	<b>27,347</b>	<b>28,528</b>	<b>27,347</b>	<b>28,528</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--August	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	412	527	366	310
Brazil -----	5,743	10,550	7,083	4,919
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	29,888	30,443	19,637	20,711
Finland -----	0	0	0	2
Hungary -----	0	0	0	0
Japan -----	40,671	63,821	40,601	31,504
Mexico -----	163	33	0	39
Peoples Rep of China -----	40	32	0	0
Poland -----	0	0	0	0
Romania -----	30	27	9	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	3,389	9,017	5,735	4,517
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	87
<b>Total</b> -----	<b>80,336</b>	<b>114,450</b>	<b>73,431</b>	<b>62,089</b>
Other countries:				
Sweden -----	8,981	8,819	5,423	5,844
Canada -----	3,608	4,540	2,142	8,245
India -----	420	509	207	1,525
Argentina -----	0	169	87	28
Taiwan -----	162	166	166	9
Switzerland -----	1	92	28	45
Jordan -----	0	41	41	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>8,147</b>	<b>15,696</b>
<b>Grand total</b> -----	<b>93,511</b>	<b>128,845</b>	<b>81,578</b>	<b>77,785</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--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	49	88	0	0
Brazil -----	964	809	788	412
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	8,877	10,582	7,763	8,300
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	5,483	6,087	4,186	3,496
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	174	775
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>12,911</b>	<b>12,983</b>
<b>Other countries:</b>				
Sweden -----	3,159	3,497	2,310	2,675
Canada -----	1/	284	223	96
Argentina -----	0	15	0	0
India -----	0	0	0	11
Taiwan -----	148	0	0	0
<b>Total-----</b>	<b>3,307</b>	<b>3,796</b>	<b>2,533</b>	<b>2,782</b>
<b>Grand total-----</b>	<b>19,210</b>	<b>21,698</b>	<b>15,444</b>	<b>15,765</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--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	68	129	0	0
Brazil -----	1,543	1,991	1,710	765
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	23,039	30,861	23,231	20,719
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	11,611	16,226	11,361	7,850
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	445	1,637
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>36,747</b>	<b>30,971</b>
<b>Other countries:</b>				
Sweden -----	7,916	11,170	7,553	7,076
Canada -----	2	787	623	271
Argentina -----	0	26	0	0
India -----	0	0	0	30
Taiwan -----	328	0	0	0
<b>Total-----</b>	<b>8,246</b>	<b>11,983</b>	<b>8,176</b>	<b>7,377</b>
<b>Grand total-----</b>	<b>45,283</b>	<b>61,986</b>	<b>44,923</b>	<b>38,348</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--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	1/	1/	1/	1/
Austria -----	25	105	77	1/
Brazil -----	156	849	364	46
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	8,101	7,542	5,479	4,298
Finland -----	0	7	7	0
Hungary -----	0	0	0	0
Japan -----	4,719	4,796	3,277	2,295
Mexico -----	1	6	6	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	433	384
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	3	0	0	0
Yugoslavia -----	0	3	3	0
<b>Total-----</b>	<b>13,991</b>	<b>14,067</b>	<b>9,646</b>	<b>7,023</b>
<b>Other countries:</b>				
Sweden -----	2,685	2,493	1,767	1,216
Canada -----	2,277	2,355	1,563	1,607
Taiwan -----	1,221	1,099	878	641
India -----	209	896	688	996
Switzerland -----	268	337	296	191
Thailand -----	0	71	0	158
Singapore -----	1/	1/	0	1/
Hong Kong -----	0	1/	1/	0
Chile -----	0	0	0	21
<b>Total-----</b>	<b>6,660</b>	<b>7,251</b>	<b>5,192</b>	<b>4,830</b>
<b>Grand total-----</b>	<b>20,651</b>	<b>21,318</b>	<b>14,838</b>	<b>11,853</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--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	39	81	50	59
Austria -----	117	516	377	7
Brazil -----	304	2,069	913	180
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	24,922	28,620	20,896	16,263
Finland -----	0	58	58	0
Hungary -----	0	0	0	0
Japan -----	18,705	20,748	13,817	9,231
Mexico -----	6	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 -----	3,044	3,042	1,746	1,471
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	11	0	0	0
Yugoslavia -----	0	4	4	0
<b>Total-----</b>	<b>47,148</b>	<b>55,141</b>	<b>37,864</b>	<b>27,211</b>
<b>Other countries:</b>				
Sweden -----	12,922	13,952	9,935	6,472
Canada -----	9,650	12,604	8,431	7,907
Taiwan -----	3,824	3,834	3,035	2,115
India -----	414	2,432	1,862	2,544
Switzerland -----	1,254	1,590	1,393	892
Thailand -----	0	274	0	558
Singapore -----	5	9	0	6
Hong Kong -----	0	4	4	0
Chile -----	0	0	0	19
<b>Total-----</b>	<b>28,069</b>	<b>34,699</b>	<b>24,660</b>	<b>20,513</b>
<b>Grand total-----</b>	<b>75,217</b>	<b>89,840</b>	<b>62,524</b>	<b>47,724</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--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	23	0	0	0
Austria -----	756	664	479	546
Brazil -----	0	12	12	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	7,081	11,955	10,416	11,795
Finland -----	1/	0	0	0
Hungary -----	0	0	0	0
Japan -----	8,365	9,327	6,370	4,633
Mexico -----	950	346	277	326
Peoples Rep of China -----	0	4	4	166
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	1/	1/	0
Korea, Republic of -----	392	684	397	1,626
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>17,955</b>	<b>19,092</b>
<b>Other countries:</b>				
Canada -----	6,925	6,241	4,460	3,960
Sweden -----	5,253	4,208	3,158	2,291
Taiwan -----	6,809	3,135	1,860	5,539
Thailand -----	188	332	252	21
Singapore -----	0	315	24	673
Switzerland -----	1	16	6	5
Malaysia -----	0	13	9	0
India -----	4	5	5	41
Norway -----	0	1/	1/	1/
Israel -----	4	1/	1/	0
All others -----	1/	0	0	11
<b>Total</b> -----	<b>19,184</b>	<b>14,265</b>	<b>9,774</b>	<b>12,541</b>
<b>Grand total</b> -----	<b>36,751</b>	<b>37,257</b>	<b>27,729</b>	<b>31,633</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--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	135	0	0	0
Austria -----	4,157	5,246	3,813	4,020
Brazil -----	0	54	54	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	27,461	45,286	36,769	32,307
Finland -----	1	0	0	0
Hungary -----	0	0	0	0
Japan -----	31,923	52,918	35,212	28,162
Mexico -----	2,891	1,195	927	1,504
Peoples Rep of China -----	0	12	12	441
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	4	4	0
Korea, Republic of -----	1,255	2,570	1,432	4,946
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>78,223</b>	<b>71,380</b>
<b>Other countries:</b>				
Canada -----	24,048	30,786	21,534	19,500
Sweden -----	22,285	22,758	17,243	10,116
Taiwan -----	21,308	12,587	7,586	17,874
Thailand -----	458	874	624	55
Singapore -----	0	1,060	81	1,991
Switzerland -----	177	212	119	208
Malaysia -----	0	45	30	0
India -----	17	20	20	223
Norway -----	0	7	5	6
Israel -----	77	3	2	0
All others-----	2	0	0	27
<b>Total-----</b>	<b>68,372</b>	<b>68,352</b>	<b>47,244</b>	<b>50,000</b>
<b>Grand total-----</b>	<b>136,195</b>	<b>175,637</b>	<b>125,467</b>	<b>121,380</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--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	18	18	380
Austria -----	2,538	2,709	1,987	1,812
Brazil -----	1,920	2,052	1,496	2,117
Czechoslovakia -----	21	33	0	0
East Germany -----	4	0	0	2
EC countries -----	12,825	16,254	9,823	9,576
Finland -----	5	0	0	0
Hungary -----	0	0	0	0
Japan -----	4,416	5,543	3,564	2,150
Mexico -----	346	137	88	150
Peoples Rep of China -----	103	167	70	36
Poland -----	249	225	202	186
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	779	1,167	853	586
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	68	0	158
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>23,206</b>	<b>28,373</b>	<b>18,101</b>	<b>17,153</b>
<b>Other countries:</b>				
Sweden -----	12,254	10,867	7,290	4,302
Canada -----	8,573	8,963	6,341	4,864
Argentina -----	42	98	67	42
Soviet Union -----	0	10	0	0
Israel -----	0	1/	0	0
India -----	19	1/	1/	22
Switzerland -----	1/	1/	1/	0
<b>Total-----</b>	<b>20,888</b>	<b>19,938</b>	<b>13,698</b>	<b>9,230</b>
<b>Grand total-----</b>	<b>44,094</b>	<b>48,311</b>	<b>31,799</b>	<b>26,383</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--August	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	0	41	41	845
Austria -----	6,561	7,507	5,435	5,477
Brazil -----	3,560	3,481	2,499	3,352
Czechoslovakia -----	33	46	0	0
East Germany -----	6	0	0	8
EC countries -----	23,213	31,615	19,315	22,290
Finland -----	15	0	0	0
Hungary -----	0	0	0	0
Japan -----	14,883	11,142	7,527	6,507
Mexico -----	434	183	122	190
Peoples Rep of China -----	149	219	87	50
Poland -----	468	567	484	557
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,303	1,979	1,312	1,237
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	86	0	225
Yugoslavia -----	0	0	0	0
<b>Total</b> -----	<b>50,625</b>	<b>56,866</b>	<b>36,822</b>	<b>40,738</b>
Other countries:				
Sweden -----	30,589	30,000	20,101	12,419
Canada -----	12,019	12,883	8,341	7,415
Argentina -----	65	165	121	76
Soviet Union -----	0	8	0	0
Israel -----	0	10	0	0
India -----	16	4	4	53
Switzerland -----	2	1	1	0
<b>Total</b> -----	<b>42,691</b>	<b>43,071</b>	<b>28,568</b>	<b>19,963</b>
<b>Grand total</b> -----	<b>93,316</b>	<b>99,937</b>	<b>65,390</b>	<b>60,701</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--August	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	24	28	19	380
Austria -----	3,901	3,979	2,801	2,544
Brazil -----	8,863	8,218	5,705	6,368
Czechoslovakia -----	21	33	0	0
East Germany -----	4	0	0	2
EC countries-----	128,336	146,230	102,093	101,850
Finland -----	8,780	3,128	1,742	9,994
Hungary -----	0	0	0	0
Japan -----	66,251	93,860	60,219	52,659
Mexico -----	10,160	15,654	8,126	16,277
Peoples Rep of China -----	106	178	74	202
Poland -----	323	518	469	228
Romania -----	18	15	5	0
Republic of South Africa -----	0	1/	1/	0
Korea, Republic of -----	12,105	12,998	8,098	10,093
Trinidad and Tobago -----	138	0	0	0
Venezuela -----	7	68	0	158
Yugoslavia -----	17	3	3	54
<b>Total-----</b>	<b>239,054</b>	<b>284,925</b>	<b>189,354</b>	<b>200,809</b>
<b>Other countries:</b>				
Canada -----	57,153	58,521	42,388	32,483
Sweden -----	52,761	42,184	28,407	27,168
Taiwan -----	8,227	4,294	2,798	6,184
India -----	546	1,116	785	3,725
Thailand -----	188	403	252	178
Switzerland -----	270	366	307	206
Singapore -----	1/	320	24	682
Argentina -----	42	206	116	57
Malaysia -----	0	13	9	0
Soviet Union -----	0	10	0	0
All others-----	31	14	13	32
<b>Total-----</b>	<b>119,488</b>	<b>107,447</b>	<b>75,099</b>	<b>70,715</b>
<b>Grand total-----</b>	<b>358,542</b>	<b>392,372</b>	<b>264,453</b>	<b>271,524</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--August	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	174	133	91	904
Austria -----	12,639	14,919	10,532	10,110
Brazil -----	12,173	18,144	12,259	12,303
Czechoslovakia -----	33	46	0	0
East Germany -----	6	0	0	8
EC countries -----	279,603	353,921	246,445	209,785
Finland -----	19,623	8,791	5,308	19,901
Hungary -----	0	0	0	0
Japan -----	175,325	266,312	172,932	142,521
Mexico -----	19,948	35,327	20,472	32,514
Peoples Rep of China -----	189	263	99	491
Poland -----	570	1,099	957	652
Romania -----	30	27	9	0
Republic of South Africa -----	0	4	4	0
Korea, Republic of -----	26,936	33,988	21,722	22,330
Trinidad and Tobago -----	202	0	0	0
Venezuela -----	32	86	0	225
Yugoslavia -----	22	4	4	119
<b>Total</b> -----	<b>547,505</b>	<b>733,064</b>	<b>490,834</b>	<b>451,863</b>
<b>Other countries:</b>				
Canada -----	112,639	138,065	100,219	72,159
Sweden -----	137,391	136,924	95,074	73,251
Taiwan -----	25,622	16,604	10,803	20,006
India -----	1,039	2,965	2,093	8,171
Thailand -----	458	1,148	624	613
Switzerland -----	1,434	1,895	1,541	1,145
Singapore -----	5	1,088	81	2,032
Argentina -----	65	360	208	104
Malaysia -----	0	45	30	0
Soviet Union -----	0	8	0	0
All others -----	152	129	111	53
<b>Total</b> -----	<b>278,805</b>	<b>299,231</b>	<b>210,784</b>	<b>177,534</b>
<b>Grand total</b> -----	<b>826,310</b>	<b>1,032,295</b>	<b>701,618</b>	<b>629,397</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-August	
Carbon and certain alloy 1/						
steel:						
Semifinished 2/	240	259			258	231
Plate	405	400			406	378
Sheet and strip:						
Hot rolled	364	378			385	340
Cold rolled	509	546			553	523
Galvanized	552	587			577	594
Tin plate	567	613			612	617
Tin free	542	574			567	572
Other coated	590	616			608	641
Average, sheet and strip	481	511			514	492
Bar:						
Hot finished	406	454			449	463
Cold finished	598	658			643	691
Reinforcing	262	308			301	318
Light shapes	382	349			350	339
Average, bar	396	445			432	460
Wire rod	347	374			378	350
Wire	691	734			735	746
Wire products	659	928			924	983
Structural shapes and units:						
Heavy structurals	376	377			377	355
Fabricated structurals	939	1,129			1,124	1,325
Average, structurals	436	452			440	464
Average, related products	383	471			499	422
Pipe and tube:						
Oil country tubular goods	730	743			765	718
Line pipe	529	563			576	515
Mechanical pipe	675	787			757	860
Structural pipe	507	563			567	541
Pressure tubing	793	1,021			987	1,309
Other (incl. standard)	487	520			518	502
Average, pipe and tube	600	615			620	577
Average, carbon and certain alloy 1/ steel	450	489			486	476

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	January-August			
	1988	1989	1989	1990
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished $\frac{1}{2}$	1,490	1,722	1,717	1,234
Plate	2,207	2,962	2,945	2,176
Sheet and strip:				
Sheet	2,067	2,084	2,163	1,833
Strip	3,331	3,255	3,257	3,132
Average, sheet and strip:	2,149	2,253	2,329	2,004
Bars and shapes	2,296	2,968	2,983	2,727
Wire rod	2,357	2,857	2,909	2,432
Wire	3,642	4,214	4,214	4,026
Pipe and tube	3,706	4,714	4,525	3,837
Alloy tool steel (all forms)	2,116	2,069	2,056	2,301
Average, stainless and alloy steel	2,306	2,631	2,653	2,318

$\frac{1}{2}$  Including alloy steel other than stainless or tool steel.

$\frac{2}{2}$  Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

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

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January-August	
			1989	1990
Quantity (short tons)				
Carbon and certain alloy <u>3/</u> steel:				
Semifinished <u>2/</u>				
Ingots-----	103,282	25,863	22,565	56,076
Blooms and billets-----	581,907	504,638	381,701	263,611
Slabs and sheet bars-----	2,097,383	1,605,189	1,150,675	1,140,233
Total-----	2,782,572	2,135,690	1,554,941	1,459,920
Plate:				
Carbon-----	1,750,917	1,312,364	822,327	882,470
Alloy-----	106,172	107,032	67,714	88,157
Total-----	1,857,090	1,419,396	890,041	970,627
Sheet and strip:				
Hot rolled:				
Sheet-----	2,199,268	1,835,755	1,154,231	1,258,747
Strip-----	49,553	110,452	70,969	68,687
Cold rolled:				
Black plate-----	145,166	144,642	98,462	93,093
Electrical-----	64,684	85,328	56,327	49,626
Other sheet-----	2,011,242	1,701,183	1,066,624	1,034,529
Other strip-----	126,534	112,196	76,588	78,174
Galvanized-----	1,948,811	1,625,227	1,028,482	1,091,342
Tin plate-----	294,552	337,330	241,384	216,145
Tin free-----	97,460	114,902	78,183	72,484
Other coated-----	248,111	235,827	165,534	134,905
Total-----	7,185,380	6,302,844	4,036,785	4,097,733
Bar:				
Hot rolled:				
Carbon-----	476,951	525,944	347,961	308,330
Alloy-----	186,902	238,912	176,499	131,645
Cold rolled:				
Carbon-----	161,345	118,180	86,827	60,258
Alloy-----	52,093	46,608	33,492	28,007
Reinforcing-----	357,253	233,733	211,629	106,410
Light structural shapes-----	126,568	100,927	77,997	55,481
Total-----	1,361,113	1,264,305	934,404	690,131

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-August	
			1989	1990
Quantity (short tons)				
Wire rod and related products:				
Wire rod:				
Carbon-----	1,355,951	1,085,797	707,535	712,875
Alloy-----	118,672	42,620	31,149	10,312
Wire:				
Carbon-----	486,699	432,369	299,241	272,067
Alloy-----	33,028	40,615	27,402	27,954
Wire products:				
Nails-----	364,748	384,737	247,122	283,387
Barbed wire-----	15,538	12,440	9,332	11,987
Wire fencing-----	12,052	60,907	43,804	31,448
Bale ties-----	1,849	955	740	504
Wire strand-----	88,300	161,751	110,825	109,365
Wire rope-----	77,564	82,812	54,223	46,704
Milliners wire-----	12,400	0	0	1/
Total-----	2,566,801	2,305,004	1,531,371	1,506,602
Structurals:				
Heavy-----	1,955,762	1,477,782	1,133,430	642,989
Fabricated-----	232,705	162,579	103,372	81,302
Total-----	2,188,467	1,640,361	1,236,802	724,291
Rails and related products:				
Rails-----	260,006	244,236	159,750	182,893
Joint bars and tie plates-----	8,487	14,023	11,792	7,458
Track spikes-----	205	5,853	4,831	1,967
Wheels and axles-----	50,734	58,873	42,358	18,942
Total-----	319,432	322,985	218,732	211,260
Pipes and tubes:				
Oil country tubular goods-----	1,032,296	429,448	258,181	249,862
Line pipe-----	507,914	526,983	351,874	484,823
Mechanical pipe-----	382,270	281,056	225,411	125,234
Structural pipe-----	278,870	323,918	223,373	196,191
Pressure tubing-----	52,100	44,944	34,191	22,529
Other (including standard)-----	996,487	829,195	517,531	666,273
Total-----	3,249,937	2,435,544	1,610,560	1,744,913

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-August	
			1989	1990
Quantity (short tons)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	3,877	191	64	63
Blooms and billets-----	40,772	42,268	30,107	27,665
Slabs and sheet bars-----	17,758	19,663	16,381	16,767
Total-----	62,407	62,121	46,552	44,496
Plate-----	15,847	17,713	11,726	13,747
Sheet and strip:				
Sheet:				
Hot rolled-----	7,331	8,070	5,022	4,775
Cold rolled-----	103,577	112,191	70,522	81,296
Strip-----	7,676	20,258	13,470	13,046
Total-----	118,584	140,519	89,014	99,117
Bars and shapes-----	40,724	43,417	27,347	28,528
Wire rod-----	19,210	21,698	15,445	15,765
Wire-----	20,653	21,319	14,837	11,854
Pipe and tube-----	36,752	37,258	27,730	31,634
Alloy tool steel (all forms):				
Semifinished <u>2</u> /-----	4,408	1,005	804	84
Bars-----	28,867	1,576	1,047	546
Other-----	10,820	45,732	29,948	25,753
Total-----	44,095	48,313	31,799	26,384

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-August	
			1989	1990
Share of product group totals (percent)				
Carbon and certain alloy <sup>3/</sup> steel:				
Semifinished <sup>2/</sup>				
Ingots-----	3.71	1.21	1.45	3.84
Blooms and billets-----	20.91	23.63	24.55	18.06
Slabs and sheet bars-----	75.38	75.16	74.00	78.10
Total-----	100.00	100.00	100.00	100.00
Plate:				
Carbon-----	94.28	92.46	92.39	90.92
Alloy-----	5.72	7.54	7.61	9.08
Total-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Hot rolled:				
Sheet-----	30.61	29.13	28.59	30.72
Strip-----	0.69	1.75	1.76	1.68
Cold rolled:				
Black plate-----	2.02	2.29	2.44	2.27
Electrical-----	0.90	1.35	1.40	1.21
Other sheet-----	27.99	26.99	26.42	25.25
Other strip-----	1.76	1.78	1.90	1.91
Galvanized-----	27.12	25.79	25.48	26.63
Tin plate-----	4.10	5.35	5.98	5.27
Tin free-----	1.36	1.82	1.94	1.77
Other coated-----	3.45	3.74	4.10	3.29
Total-----	100.00	100.00	100.00	100.00
Bar:				
Hot rolled:				
Carbon-----	35.04	41.60	37.24	44.68
Alloy-----	13.73	18.90	18.89	19.08
Cold rolled:				
Carbon-----	11.85	9.35	9.29	8.73
Alloy-----	3.83	3.69	3.58	4.06
Reinforcing-----	26.25	18.49	22.65	15.42
Light structural shapes-----	9.30	7.98	8.35	8.04
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-August	
			1989	1990
Share of product group totals (percent)				
Wire rod and related products:				
Wire rod:				
Carbon-----	52.83	47.11	46.20	47.32
Alloy-----	4.62	1.85	2.03	0.68
Wire:				
Carbon-----	18.96	18.76	19.54	18.06
Alloy-----	1.29	1.76	1.79	1.86
Wire products:				
Nails-----	14.21	16.69	16.14	18.81
Barbed wire-----	0.61	0.54	0.61	0.80
Wire fencing-----	0.47	2.64	2.86	2.09
Bale ties-----	0.07	0.04	0.05	0.03
Wire strand-----	3.44	7.02	7.24	7.26
Wire rope-----	3.02	3.59	3.54	3.10
Milliners wire-----	0.48	0.00	0.00	1/
Total-----	100.00	100.00	100.00	100.00
Structurals:				
Heavy-----	89.37	90.09	91.64	88.78
Fabricated-----	10.63	9.91	8.36	11.22
Total-----	100.00	100.00	100.00	100.00
Rails and related products:				
Rails-----	81.40	75.62	73.03	86.57
Joint bars and tie plates-----	2.66	4.34	5.39	3.53
Track spikes-----	0.06	1.81	2.21	0.93
Wheels and axles-----	15.88	18.23	19.37	8.97
Total-----	100.00	100.00	100.00	100.00
Pipes and tubes:				
Oil country tubular goods-----	31.76	17.63	16.03	14.32
Line pipe-----	15.63	21.64	21.85	27.78
Mechanical pipe-----	11.76	11.54	14.00	7.18
Structural pipe-----	8.58	13.30	13.87	11.24
Pressure tubing-----	1.60	1.85	2.12	1.29
Other (including standard)-----	30.66	34.05	32.13	38.18
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-August	
			1989	1990
Share of product group totals (percent)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	6.21	0.31	0.14	0.14
Blooms and billets-----	65.33	68.04	64.67	62.17
Slabs and sheet bars-----	28.45	31.65	35.19	37.68
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	5.64	4.82
Cold rolled-----	87.34	79.84	79.23	82.02
Strip-----	6.47	14.42	15.13	13.16
Total-----	100.00	100.00	100.00	100.00
Bars and shapes-----	100.00	100.00	100.00	100.00
Wire rod-----	100.00	100.00	100.00	100.00
Wire-----	100.00	100.00	100.00	100.00
Pipe and tube-----	100.00	100.00	100.00	100.00
Alloy tool steel (all forms):				
Semifinished <u>2/</u> -----	10.00	2.08	2.53	0.32
Bars-----	65.47	3.26	3.29	2.07
Other-----	24.54	94.66	94.18	97.61
Total-----	100.00	100.00	100.00	100.00

1/ Milliners wire is included in total wire products.

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

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

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

Table 32.--Steel mill products and certain fabricated steel products:  
U.S. imports for consumption, by customs areas, 1988, 1989, and by  
specified periods, 1989 and 1990

(Short tons)

Item	1988		1989		January-August	
Atlantic Coast	6,743,215	3,510,909	2,602,608	1,976,474		
Great Lakes-Canadian border	6,342,613	5,688,226	3,558,403	3,525,023		
Gulf Coast-Mexican border	5,938,464	4,561,954	3,121,089	3,061,928		
Off-shore	403,506	371,695	292,187	196,448		
Pacific Coast	6,441,267	4,085,702	2,703,799	2,917,128		
Total	21,869,065	18,218,486	12,278,087	11,677,000		

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	January-August		
	1988	1989	1990
Carbon and certain alloy 1/ steel:			
Semifinished 2/			
Plate	471,964	323,401	119,727
Sheet and strip	331,537	216,546	135,753
Bars and certain shapes	1,771,637	1,281,884	780,925
Wire rod	220,708	155,134	74,445
Wire products	297,606	215,013	132,633
Structural shapes and units	108,857	88,009	51,493
Rails and related products	220,011	237,679	154,171
Pipe and tube	602,240	458,130	142,338
Total	36,885	35,669	19,779
Stainless steel:			
Semifinished 2/			
Plate	523,784	340,606	248,030
Sheet and strip	4,585,229	3,352,071	1,859,293
Bars and certain shapes			
Wire rod			
Wire			
Pipe and tube			
Tool steel (all forms)			
Total			
Grand Total	4,743,215	3,510,909	1,976,474

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 Great Lakes-Canadian border customs area, 1988, 1989, and by specified periods, 1989 and 1990  
(Short tons)

Item	1988		1989		January-August	
Carbon and certain alloy 1/ <sup>1</sup> steel:						
Semifinished 2/ <sup>2</sup>	414,978	393,604	244,039	244,039	244,999	244,999
Plate	723,681	551,017	314,815	314,815	372,612	372,612
Sheet and strip	2,396,464	2,145,556	1,244,355	1,244,355	1,253,080	1,253,080
Bars and certain shapes	625,771	650,140	437,714	437,714	378,817	378,817
Wire rod	545,070	466,968	309,848	309,848	298,093	298,093
Wire	253,271	230,319	161,940	161,940	149,171	149,171
Wire products	83,750	106,485	71,458	71,458	73,860	73,860
Structural shapes and units	522,423	375,682	243,203	243,203	267,665	267,665
Rails and related products	179,981	161,932	110,533	110,533	105,359	105,359
Pipe and tube	488,579	492,836	344,632	344,632	316,918	316,918
Total	6,233,970	5,574,539	3,482,538	3,482,538	3,460,573	3,460,573
Stainless and alloy tool steel:						
Stainless steel:						
Semifinished 2/ <sup>2</sup>	34,966	36,980	27,502	27,502	16,954	16,954
Plate	3,246	2,652	1,327	1,327	3,441	3,441
Sheet and strip	33,923	35,682	22,215	22,215	19,346	19,346
Bars and certain shapes	4,098	4,337	2,127	2,127	5,379	5,379
Wire rod	661	822	595	595	712	712
Wire	6,053	5,832	4,103	4,103	3,222	3,222
Pipe and tube	7,833	7,190	5,003	5,003	4,950	4,950
Tool steel (all forms)	17,864	20,192	12,994	12,994	10,446	10,446
Total	108,644	113,688	75,865	75,865	64,450	64,450
Grand Total	6,342,613	5,688,226	3,558,403	3,558,403	3,525,023	3,525,023

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	January-August		
	1988	1989	1990
Carbon and certain alloy 1/ steel:			
Semifinished 2/			
Plate	1,061,770	684,289	530,299
Sheet and strip	567,614	439,139	280,388
Bars and certain shapes	1,558,244	1,316,891	910,020
Wire rod	137,056	157,610	122,652
Wire	349,946	220,248	147,456
Wire products	64,524	61,675	42,117
Structural shapes and units	105,823	138,125	86,892
Rails and related products	493,074	323,672	242,060
Pipe and tube	64,016	81,408	56,616
Total	1,493,874	1,070,870	659,173
	5,895,942	4,493,927	3,077,673
Stainless and alloy tool steel:			
Semifinished 2/			
Plate	3,131	10,462	7,931
Sheet and strip	3,233	4,000	2,483
Bars and certain shapes	16,038	30,331	17,034
Wire rod	6,668	7,646	4,683
Wire	1,220	1,735	1,230
Pipe and tube	606	1,144	801
Tool steel (all forms)	10,896	11,123	8,644
Total	730	1,585	610
	42,523	68,027	43,417
Grand Total	5,938,464	4,561,954	3,121,089
			3,006,325
			418,590
			373,437
			785,458
			81,250
			160,310
			39,922
			119,668
			140,447
			35,625
			851,617
			3,006,325
			9,975
			1,762
			26,413
			5,268
			1,384
			1,529
			7,768
			1,504
			55,603
			3,061,928

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	January-August		
	1988	1989	1990
Carbon and certain alloy 1/ steel:			
Semifinished 2/	3/	0	3/
Plate	13,906	7,984	4,176
Sheet and strip	72,465	77,155	46,861
Bars and certain shapes	157,820	169,928	160,704
Wire rod	16,953	5,174	5,174
Wire	14,739	11,407	8,759
Wire products	10,190	6,070	4,509
Structural shapes and units	21,786	28,269	23,165
Rails and related products	88	333	301
Pipe and tube	93,829	64,212	37,411
Total	401,758	370,534	291,060
Stainless and alloy tool steel:			
Stainless steel:			
Semifinished 2/	0	0	0
Plate	3/	1	1
Sheet and strip	0	36	36
Bars and certain shapes	15	3/	3/
Wire rod	0	0	0
Wire	1,690	810	776
Pipe and tube	42	18	18
Tool steel (all forms)	0	295	295
Total	1,748	1,161	1,127
Grand Total	403,506	371,695	292,187

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-August	
					1989	1990
Carbon and certain alloy 1/ steel:						
Semifinished 2/	833,859	734,396	530,613	676,605		
Plate	220,352	204,710	137,206	84,874		
Sheet and strip	1,386,590	1,481,358	908,101	1,210,573		
Bars and certain shapes	219,758	131,492	94,214	77,703		
Wire rod	265,048	221,015	133,672	122,718		
Wire	78,336	81,573	51,795	52,132		
Wire products	152,677	215,243	138,773	130,681		
Structural shapes and units	548,943	454,608	345,562	164,896		
Rails and related products	38,461	43,644	30,249	49,972		
Pipe and tube	649,871	467,017	301,508	312,737		
Total	4,393,893	4,035,056	2,671,693	2,882,892		
Stainless and alloy tool steel:						
Stainless steel:						
Semifinished 2/	61	10	0	3		
Plate	3,233	2,159	1,444	2,202		
Sheet and strip	22,749	27,032	16,805	17,440		
Bars and certain shapes	7,573	9,015	5,592	5,540		
Wire rod	3,803	2,852	2,072	1,943		
Wire	1,711	1,685	1,255	819		
Pipe and tube	5,590	4,459	2,683	5,313		
Tool steel (all forms)	2,653	3,433	2,254	2,975		
Total	47,373	50,646	32,106	34,236		
Grand Total	4,441,267	4,085,702	2,703,799	2,917,128		

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.



A-1

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Appendix A

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

ONE HUNDRED FIRST CONGRESS

DAN ROSTENKOWSKI, ILLINOIS, CHAIRMAN

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# COMMITTEE ON WAYS AND MEANS

U.S. HOUSE OF REPRESENTATIVES  
WASHINGTON, DC 20515

OFFICE OF THE CHAIRMAN  
 REC-6  
 11:07

November 27, 1989

ROBERT J. LEONARD, CHIEF COUNSEL AND STAFF DIRECTOR

PHILLIP D. MOSELEY, MINORITY CHIEF OF STAFF

SOCKET 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

SECRETARY  
 OFFICE OF THE CHAIRMAN

DR/jn

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B-1

Appendix B

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

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

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

By order of the Commission.

Issued: December 28, 1989.

Kenneth R. Mason,

Secretary.

[FR Doc. 90-197 Filed 1-3-90; 8:45 am]

BILLING CODE 7020-02-01

[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 Brunedale 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, 1986 (51 FR 15390).

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

By order of the Commission.

Issued: December 29, 1989.

Kenneth R. Mason,

Secretary.

[FR Doc. 90-195 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

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>3</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, 7314.41.0030, 7314.41.0060, 7314.42.0000, 7314.42.0030, 7314.42.0060, 7314.49.3000, 7314.49.6000, 7314.50.0000 of the HTS. The products are included in AISI product group No. 50.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

16. Alloy tool steel (all forms) provided for in items 7224.10.0030, 7224.90.0010, 7224.90.0020, 7224.90.0030, 7225.20.0000, 7225.30.1000, 7225.30.5060, 7225.40.1090, 7225.40.5060, 7225.50.1060, 7226.20.0000, 7226.91.1060, 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 D

October VRA Signatories' Ceilings Tables Based on Apparent  
Consumption Forecasts of DRI.

## A U S T R A L I A

October 1990 Forecast of 1991 U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
(Metric Tons)

007 2 2 1000

Categories	Apparent Consumption Forecast for 1991 (1,000s)*	Arrangement I.P.	Unadjusted 1991 Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted 1991 Export Ceiling
Semi-Finished Steel	81,262	0.174%	141,396	+++	+++	141,396
Coated Flat Rolled	14,147	1.063%	150,383	+++	+++	150,383
Other Flat Rolled	32,335	0.169%	54,646	+++	+++	54,646
Pipe and Tube	6,290	0.436%	27,424	+++	+++	27,424
Other Finished Steel	25,443	0.102%	25,952	+++	+++	25,952

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

+++ Not yet available

## A U S T R I A

October 1990 Forecast of 1991 U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
(Metric Tons)

Categories	Apparent Consumption Forecast for 1991 (1,000s)	Arrangement I.P.	Unadjusted 1991 Ceiling*	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted 1991 Export Ceiling
Flat Rolled Products	46,482	0.30%	139,446	+++	+++	139,446
Stainless Bar	n/a	***	250	+++	+++	250
Stainless Rod	n/a	***	250	+++	+++	250
OCTG	1,773	1.40%	24,822	+++	+++	24,822
Other Pipe and Tube	4,517	0.30%	13,551	+++	+++	13,551
Other Steel Products	28,224	0.11%	31,046	+++	+++	31,046
Alloy Tool Steel	76	4.00%	3,040	+++	+++	3,040

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

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

+++ Not yet available

## B R A Z I L

October 1990 Forecast of 1991 U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
(Metric Tons)

Categories	Apparent Consumption Forecast for 1991 (1,000s)*	Arrangement I.P.	Unadjusted 1991 Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted 1991 Export Ceiling
Semi-Finished Products	81,262	1.057%	858,939	+++	+++	858,939
Billets	n/a	+++	173,409	+++	n/a	173,409
Plate	4,925	1.444%	71,117	+++	+++	71,117
Hot Rolled Sheet and Strip	14,163	1.226%	173,638	+++	+++	173,638
Cold Rolled Sheet and Strip	12,814	1.173%	150,308	+++	+++	150,308
Cold Rolled Strip	483	3.318%	16,026	+++	+++	16,026
Other Sheet and Strip	14,580	0.188%	27,410	+++	+++	27,410
Tin Plate	2,580	0.168%	4,334	+++	+++	4,334
Electrical Sheet and Strip	433	0.209%	905	+++	+++	905
Electrogalvanized Sheet	2,401	0.100%	2,401	+++	+++	2,401
C/A Hot Finished Bar	10,348	1.284%	132,868	+++	+++	132,868
C/A Cold Finished Bar	1,222	0.934%	11,413	+++	+++	11,413
C/A Wire Rod	4,674	1.953%	91,283	+++	+++	91,283
Angles, Shapes, Sections	6,853	0.450%	30,839	+++	+++	30,839
Structurals	5,314	0.185%	9,831	+++	+++	9,831
Rail Products	249	3.245%	8,080	+++	+++	8,080
Wire and Wire Products	1,518	2.010%	30,512	+++	+++	30,512
Wire Strand	n/a	+++	5,534	+++	n/a	5,534
Wire Rope	165	0.676%	1,115	+++	+++	1,115
Rails	530	0.000%	0	+++	+++	0
OCTG	n/a	+++	2,000	+++	n/a	2,000
Line Pipe	1,510	4.724%	71,332	+++	+++	71,332
Other Pipe and Tubes	3,007	2.192%	65,913	+++	+++	65,913
Standard Pipe	1,676	3.408%	57,118	+++	+++	57,118
Structural Pipe	379	1.218%	4,616	+++	+++	4,616
Mechanical Pipe	800	0.865%	6,920	+++	+++	6,920
Stainless and Pressure Pipe	146	1.261%	1,841	+++	+++	1,841
Specialty Products	298	3.088%	9,202	+++	+++	9,202
Stainless Bar	142	2.848%	4,044	+++	+++	4,044
Stainless Wire Rod and Wire	80	3.704%	2,963	+++	+++	2,963
Alloy Tool Steel	76	2.712%	2,061	+++	+++	2,061

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

+++ Export ceilings are fixed tonnages.

+++ Not yet available

n/a Not Applicable

## EUROPEAN COMMUNITIES

October 1990 Forecast of 1991 U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
(Metric Tons)

Categories	Apparent Consumption Forecast for 1991 (1,000s)*	Arrangement I.P.	Unadjusted 1991 Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted 1991 Export Ceiling
Semi-Finished Products	81,262	0.76%	617,591	+++	+++	617,591
Slab	n/a	***	568,184	+++	n/a	568,184
Plate	4,826	7.13%	344,094	+++	+++	344,094
Hot Rolled Sheet	14,163	7.29%	1,032,483	+++	+++	1,032,483
Cold Rolled Sheet	10,994	5.94%	653,044	+++	+++	653,044
Black Plate	342	12.84%	43,913	+++	+++	43,913
Cold Rolled Strip	483	5.34%	25,792	+++	+++	25,792
Electrical Sheet and Strip	433	4.98%	21,563	+++	+++	21,563
Stainless Plate	99	5.89%	5,831	+++	+++	5,831
Stainless Sheet and Strip	995	5.94%	59,103	+++	+++	59,103
Tin Plate	2,580	2.96%	76,368	+++	+++	76,368
Tin-Free Steel	810	4.22%	34,182	+++	+++	34,182
Other Coated Flat Rolled Products	10,757	4.51%	485,141	+++	+++	485,141
Electroalvanized	n/a	***	121,285	+++	n/a	121,285
Rebar	4,620	0.09%	4,158	+++	+++	4,158
Hot Finished Bar	5,728	3.09%	176,995	+++	+++	176,995
Cold Finished Bar	1,222	6.63%	81,019	+++	+++	81,019
Stainless Bar	142	7.40%	10,508	+++	+++	10,508
Carbon Wire Rod	4,538	5.70%	258,666	+++	+++	258,666
Stainless Wire Rod	48	13.16%	6,317	+++	+++	6,317
Alloy Wire Rod	136	19.68%	26,765	+++	+++	26,765
Bar Shapes Under 80mm	1,290	2.48%	31,992	+++	+++	31,992
Structurals	5,021	14.15%	710,424	+++	+++	710,424
Sheet Piling	293	23.70%	69,520	+++	+++	69,520
Fabricated Structurals	n/a	****	16,546	+++	n/a	16,546
Stainless Wire	32	15.34%	4,909	+++	+++	4,909
Wire Strand	n/a	****	49,800	+++	n/a	49,800
Wire Rope	n/a	****	9,800	+++	n/a	9,800
Carbon/Alloy Wire	n/a	****	182,600	+++	n/a	182,600
Wire Products	n/a	****	25,500	+++	n/a	25,500
Rails	530	9.26%	49,078	+++	+++	49,078
Rail Products	n/a	****	3,900	+++	n/a	3,900
Total Pipe and Tube	6,290	8.82%	554,778	+++	+++	554,778
OCTG	1,773	9.00%	159,570	+++	+++	159,570
Alloy Tool Steel	76	11.02%	8,375	+++	+++	8,375
Other Specialty Steel	n/a	****	12,100	+++	n/a	12,100

\* 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

n/a Not Applicable

## FINLAND

October 1990 Forecast of 1991 U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
(Metric Tons)

207 2 9 1990

Categories	Apparent Consumption Forecast for 1991 (1,000s)*	Arrangement I.P.	Unadjusted 1991 Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted 1991 Export Ceiling
Semi-Finished	81,262	0.016%	13,002	6,000	+++	19,002
Carbon/Alloy Flat Rolled	31,241	0.442%	138,085	4,500	+++	142,585
Cold Rolled Sheet	11,336	0.114%	12,923	+++	+++	12,923
Cold Rolled Strip	483	0.457%	2,207	+++	+++	2,207
Stainless Flat Rolled	1,094	0.978%	10,699	+++	+++	10,699
Coated Flat Rolled	14,147	0.130%	18,391	+++	+++	18,391
Galvanized Sheet	9,496	0.130%	12,345	+++	+++	12,345
Bar and Rod	16,434	0.037%	6,081	1,500	+++	7,581
Carbon Cold Finished Bar	993	0.010%	99	+++	+++	99
Wire and Wire Products	1,550	0.024%	372	+++	+++	372
Pipe and Tube	6,290	0.140%	8,806	+++	+++	8,806
OCTG	1,773	0.200%	3,546	+++	+++	3,546
Other Steel Products	7,459	0.012%	895	+++	+++	895

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

+++ Not yet available



## J A P A N

October 1990 Forecast of U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing During the  
Final Period of January 1, 1991 through March 31, 1992  
(Metric Tons)

Categories	Apparent Consumption Forecast for the Final Period (1,000s)#*	Arrangement I.P.	Unadjusted Final Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Final Period Export Ceiling
Semi-Finished Steel	101,578	0.088%	89,388	+++	+++	89,388
Plate	6,156	1.050%	64,641	+++	+++	64,641
Sheet and Strip	51,946	6.090%	3,163,527	+++	+++	3,163,527
Cold Rolled Sheet and Strip	14,774	4.870%	719,482	+++	+++	719,482
Coated Sheet and Strip	13,446	12.500%	1,680,781	+++	+++	1,680,781
Electrogalvanized	3,001	16.820%	504,810	+++	+++	504,810
Electrical Sheet and Strip	541	7.090%	38,375	+++	+++	38,375
Tin Plate	3,225	6.150%	198,338	+++	+++	198,338
Tin-Free Steel	1,013	7.030%	71,179	+++	+++	71,179
Bar	14,463	0.640%	92,560	+++	+++	92,560
Cold Finished	1,528	2.130%	32,536	+++	+++	32,536
Stainless Bar	178	10.470%	18,584	+++	+++	18,584
Wire Rod and Wire Products	7,780	6.400%	497,920	+++	+++	497,920
Carbon/Alloy Wire Rod	5,843	6.300%	368,078	+++	+++	368,078
Stainless Rod	60	10.440%	6,264	+++	+++	6,264
Structural Shapes	9,229	7.550%	696,771	+++	+++	696,771
Rail and Rail Products	1,024	10.150%	103,911	+++	+++	103,911
Fabricated Structural	n/a	+++	63,066	+++	n/a	63,066
Welded H-Beams	n/a	+++	37,500	+++	n/a	37,500
Pipe and Tube	7,863	9.190%	722,564	+++	+++	722,564
OCTG	2,216	9.660%	214,090	+++	+++	214,090
Line Pipe	1,888	16.480%	311,060	+++	+++	311,060
Structural Pipe	474	12.760%	60,451	+++	+++	60,451
Alloy Tool Steel	95	5.890%	5,596	+++	+++	5,596

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

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

+++ Export ceilings are fixed tonnages.

+++ Not yet available

n/a Not Applicable

K O R E A

October 1990 Forecast of U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing During the  
Final Period of January 1, 1991 through March 31, 1992  
(Metric Tons)

107 2 9 1990

Categories	Apparent Consumption Forecast for the Final Period (1,000s)#*	Arrangement I.P.	Unadjusted Final Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Final Period Export Ceiling
Semi-Finished Steel	101,578	0.271%	275,275	+++	+++	275,275
Plate	6,033	1.170%	70,580	+++	+++	70,580
Sheet and Strip	50,703	2.380%	1,206,720	+++	+++	1,206,720
HR S & S	17,704	3.160%	559,439	+++	+++	559,439
CR S & S	14,774	2.520%	372,299	+++	+++	372,299
C/A Strip	n/a	***	1,500	+++	n/a	1,500
Coated	13,446	1.800%	242,033	+++	+++	242,033
Electro-Galv	n/a	***	33,750	+++	n/a	33,750
Electrical	n/a	***	1,500	+++	n/a	1,500
Stainless Flat-Rolled	1,368	0.940%	12,855	+++	+++	12,855
Bar	14,463	0.640%	92,560	+++	+++	92,560
Stainless Bar	178	1.600%	2,840	+++	+++	2,840
Wire, Wire Rod & Wire Prod.	7,780	2.430%	189,054	+++	+++	189,054
Stainless Wire	n/a	***	1,125	+++	n/a	1,125
C/A Wire	n/a	***	10,625	+++	n/a	10,625
Stainless Rod	60	1.980%	1,188	+++	+++	1,188
Structurals	9,229	1.380%	127,357	+++	+++	127,357
Rails	663	0.650%	4,306	+++	+++	4,306
Fab. Structurals	n/a	***	68,040	+++	n/a	68,040
Wire Rope	n/a	***	57,500	+++	n/a	57,500
Wire Strand	n/a	***	36,751	+++	n/a	36,751
Pipe & Tube	7,863	7.900%	621,138	+++	+++	621,138
Structural	474	4.430%	20,987	+++	+++	20,987
OCTG	2,216	2.900%	64,271	+++	+++	64,271
Standard	2,095	17.930%	375,634	+++	+++	375,634
Alloy Tool Steel	95	2.160%	2,052	+++	+++	2,052

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

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

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

+++ Not yet available

n/a Not Applicable

## MEXICO

October 1990 Forecast of 1991 U.S. Apparent Consumption of Arrangement Products Subject to Export Licensing During the Final Period of January 1, 1991 through March 31, 1992 (Metric Tons)

Categories	Apparent Consumption Forecast for the Final Period (1,000s)#*a	Arrangement I.P.	Unadjusted Final Period Ceilings	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Final Period Export Ceiling
Semi-Finished Steel	101,578	0.27%	274,259	+++	+++	274,259
C/A Flat Rolled	39,051	0.33%	128,869	+++	+++	128,869
C/A HR Sheet and Strip	17,704	0.27%	47,800	+++	+++	47,800
C/A CR Sheet and Strip	14,774	0.22%	32,502	+++	+++	32,502
Plate	6,033	0.81%	48,863	+++	+++	48,863
Stainless Flat Rolled	1,368	1.02%	13,949	+++	+++	13,949
Coated Flat Rolled	17,684	0.77%	136,165	+++	+++	136,165
Bar and Rod	20,543	1.15%	236,239	+++	+++	236,239
Carbon CF Bar	1,241	0.62%	7,696	+++	+++	7,696
Carbon Wire Rod	5,673	2.51%	142,380	+++	+++	142,380
Stainless Bar and Rod	238	0.03%	71	+++	+++	71
Angles, Shapes, Sections/Rail and Rail Products	9,229	0.83%	76,599	+++	+++	76,599
Wire and Wire Products	1,938	3.47%	67,231	+++	+++	67,231
Wire Rope	206	2.94%	6,064	+++	+++	6,064
Wire Strand	n/a	***	2,317	+++	n/a	2,317
Panels and Mesh	1,898	1.00%	18,975	+++	+++	18,975
Other Wire and Wire Products and Fence	1,898	2.10%	39,848	+++	+++	39,848
Pipe and Tube	7,863	2.95%	231,944	+++	+++	231,944
OCTG	2,216	2.60%	57,623	+++	+++	57,623
Line Pipe	1,888	4.17%	78,709	+++	+++	78,709
Standard Pipe	2,095	4.83%	101,189	+++	+++	101,189
Tool Steel	95	0.36%	342	+++	+++	342

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

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

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

\*\*\* Export ceiling is fixed tonnage.

+++ Not yet available

n/a Not Applicable

## VENEZUELA

October 1990 Forecast of 1991 U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing During the  
Final Period of January 1, 1991 through March 31, 1992  
(Metric Tons)

Categories	Apparent Consumption Forecast for the Final Period (1,000s)#*	Arrangement I.P.	Unadjusted Final Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Final Period Export Ceiling
-----						
Carbon/Alloy Flat-Rolled and						
Stainless	40,419	0.223%	90,134	+++	+++	90,134
Coated Flat-Rolled	17,684	0.195%	34,483	+++	+++	34,483
Bar and Rod	20,543	0.358%	73,542	+++	+++	73,542
Carbon Wire Rod	5,673	0.339%	19,230	+++	+++	19,230
Rebar	5,775	0.754%	43,544	+++	+++	43,544
Pipe & Tube	7,863	0.844%	66,360	+++	+++	66,360
OCTG	2,216	0.000%	0	+++	+++	0
Line	1,888	2.246%	42,393	+++	+++	42,393
Standard	2,095	0.540%	11,313	+++	+++	11,313
Other Steel Products	11,261	0.129%	14,527	+++	+++	14,527
Semi-Finished	101,578	0.069%	70,088	+++	+++	70,088

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

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

+++ Not yet available

1991 Export Ceilings of Fixed Tonnage Countries  
(Metric Tons)

P O L A N D

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

E A S T G E R M A N Y

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

Y U G O S L A V I A

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

H U N G A R Y

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

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

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

R O M A N I A

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

1991 Export Ceilings of Fixed Tonnage Countries  
(Metric Tons)

007 0 0 1000

THE PEOPLE'S REPUBLIC  
OF CHINA

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

TRINIDAD AND TOBAGO

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