MONTHLY REPORT ON THE STATUS OF THE STEEL INDUSTRY

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

USITC PUBLICATION 2141

DECEMBER 1988

United States International Trade Commission • Washington, DC 20436

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HEAVY STRUCTURAL SHAPES

This summary covers recent developments in the market for heavy structural shapes. This product group includes steel manufactured for load bearing applications, such as for bridges, buildings, and retaining walls. Prices, import sources, and the structure of the domestic industry have all exhibited significant changes in recent years.

Prices in the Domestic Market

The market for heavy structural shapes experienced strong demand throughout 1987 and 1988, as apparent consumption rose 3 percent between 1986 and 1987 and is running over 8 percent higher through September, 1988 than through September a year ago. As a result, domestic producers raised prices $50-$60 per ton in 1987 (10-15 percent); in addition to strong demand, the weakened dollar and strong demand in markets outside the United States contributed to the higher prices by dampening the flow of imported product into the U.S. market.

Additional price hikes by domestic producers added an average $30 per ton in early 1988; nevertheless these increases reportedly left the domestic producers an average of $20 per ton cheaper than imports in many regional markets. However, as the year has progressed, prices of foreign structurals have decreased to more competitive levels and it is unclear whether domestic suppliers still maintain a price advantage. Recently, there are signs that the overall domestic market is weakening as prices are beginning to soften in the face of rising inventories and increasing domestic capacity.

Imports

For the period 1983-87, imports of heavy structural shapes increased 19 percent, with imports from VRA nations increasing 9 percent (from 1.3 million tons to 1.4 million tons) and imports from Non-VRA nations increasing 90 percent (from 190,000 tons to 359,000 tons). Non-VRA countries with the greatest relative increase in shipments to the United States were Argentina and Norway, which grew from supplying negligible quantities in 1983 to substantial quantities in 1987. Imports from Argentina grew from 411 tons to 17,626 tons, while imports from Norway grew from 108 tons to 61,291 tons. While some of this increase can be attributed to the depressed domestic demand conditions existing in 1983, these countries would seem to be replacing products supplied by more traditional VRA-covered suppliers, such as Mexico and the Republic of South Africa.

Among the VRA suppliers, the largest relative increases in shipments to the U.S. market have come from Poland (95 percent increase) and Spain (42 percent increase) during 1983-87. Partial year data indicate large percentage increases in heavy structural steel imports from Austria, the Netherlands, and Brazil in 1988, compared to 1987 levels.

During 1988 (through September), import data indicate a shift in the growth trends to VRA suppliers. Imports from VRA countries, which have been decreasing since 1984, are running almost 11 percent ahead of last

year. Imports from non-VRA countries, which increased throughout the 1983-87 period, are running slightly lower than last year's levels. When combined, imports from these two groups are growing at a 8.3 percent level this year, an increase from the average 4.5 percent annual growth experienced during 1983-87.

Industry restructuring

Some integrated firms, such as Armco and LTV, have withdrawn from the structurals market, concentrating their efforts and investment in other product areas, such as sheet. These firms expect that the concentration of efforts and assets in fewer product lines will lead to improved profitability. Through corporate reorganization, Inland Steel and Bethlehem Steel have both set up their structural operations as distinct operating divisions. Inland has been considering the closure of some structural steel capacity at its Indiana Harbor, IN works, citing competitive pressures and financial losses.

Several minimills are seeking to expand their presence in the larger size structurals. Nucor, in a joint venture with Yamato Kogyo Co. of Japan, has just shipped its first truckload of medium structurals from a new 600,000 ton per year facility in Blytheville, AK, which is capable of producing beams up to 24 inches. Northwestern Steel and Wire is currently seeking financing to go ahead with its decision to purchase the idled Armco Houston Works (600,000 tons per year), which can produce beams up to 48 inches. Chaparral is examining the feasibility of building a new mill, tentatively starting in the spring of 1989, which will produce medium sections and heavy wide flange beams. These additions to capacity, all of which will apparently have lower cost structures, will put increased competitive pressure on the integrated producers' facilities. The capacity additions may also serve to reduce the share of the domestic market held by imports, as they will be relatively low cost operations.

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252-1432

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Preface

On April 9, 1986, at the request of the Subcommittee on Trade, Committee on Ways and Means, U.S. House of Representatives, and in accordance with the provisions of section 332(b) of the Tariff Act of 1930 (19 U.S.C. 1332(b)), the United States International Trade Commission instituted investigation No. 332-226, Monthly Reports on the Status of the Steel Industry. The purpose of the reports is to monitor developments in the steel industry through September 1989, which corresponds with the President's program of voluntary restraint arrangements (VRA's) with certain countries and regions which export steel to the United States.

Background of VRA's

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 1/ were found to be a substantial cause of serious injury, or threat thereof, to certain domestic industries (investigation No. TA-201-51). 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 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 recent years due to an unfair surge in imports. These 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 indicate, would be 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 (48 Federal Register 33233). The relief was scheduled to expire on July 19, 1987. Under the relief, quotas were put 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 currently in effect for a period from July 20, 1987 through September 30, 1989. Under the steel VRA's, in return for their agreement to limit exports of stainless steel plates and sheets and strip, the VRA countries were exempted

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1/ 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.

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 VRA's 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 now includes the specialty steel products subject to quotas, and Austria, which included alloy tool steel in its VRA.

In this report trade data are reported in a similar format for all product categories; in the case of stainless steel bars, stainless steel rods, and certain alloy tool steel products, however, it should be noted that, except for the EC-10 and Austria, all countries are bound by quotas (see App. B for a description of the specialty steel relief provisions and implementation of modifications in specialty steel import relief).

Current Status of VRA's

To date VRA's have been negotiated with 19 countries and the EC (excluding Portugal and Spain, which negotiated separate agreements). The agreements have taken the form of market share arrangements and quotas, or a combination thereof. The agreements are tailored to each country, with considerable variation in the number of individual product categories subject to limitation. Following is a list of countries subject to the VRA's and estimates of their respective overall limitations on a market share basis.

Countries Subject to VRA's

Market share agreements:	Overall 1988 import share 1/ (% of U.S. apparent consumption)
Australia	0.24
Austria	0.23
Brazil	1.42
EC	5.36
Finland	0.23
Japan	5.93
Mexico	0.42
South Africa 2/	0.0
South Korea	1.82
Spain	0.69

Quota agreements	Quota level for 1988 in short tons and as a share of apparent U.S. consumption (estimated) 3/	
	(Short tons)	(Percent)
Czechoslovakia	40,100	0.04
East Germany	228,500	0.23
Hungary	33,300	0.03
Poland	87,200	0.87
Portugal	29,300	0.03
Romania	111,400	0.11
Trinidad and Tobago	43,500	0.04
Venezuela	143,900	4/ 0.14
Yugoslavia	20,900	0.02
People's Republic of China	77,400	0.08

Semifinished steel agreements	Quota level for 1988 (short tons)
Australia	50,000
Brazil	700,000
EC	5/ 840,000
Finland	15,000
Japan	100,000
Mexico	100,000
South Africa 2/	0
South Korea	50,000
Spain	50,000
Venezuela	71,225

1/ Including semifinished steel for all countries. Does not include adjustments for overages in 1987.
2/ Steel imports from South Africa are reduced by the Comprehensive Anti-Apartheid Act of 1986 which embargoes certain steel products.
3/ Including semifinished steel, except as noted. Does not include adjustments for overages in 1987. Estimates based on October 1988 DRI forecast.
4/ Excluding semifinished steel.
5/ Includes approximately 200,000 tons which may be imported at the discretion of the U.S. Trade Representative.

Structure of the Report

- Monthly Summary 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. An index of subjects addressed in the summaries may be found on page iii.

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

- Tables 2-6 provide data on shipments, imports, exports, apparent consumption, and imports as a percent of apparent consumption by major product for all grades of steel, plus carbon and specialty products separately.

- Table 7 provides quantity and value data on imports of total steel mill products and certain fabricated products. The EC and each VRA country are specified, as are the top 10 non-VRA suppliers.

- 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. The table can be used to measure the extent to which penetration is approaching the levels anticipated under the President's steel policy.

- 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 1986 semifinished import restraint level of each VRA country.

- Tables 10-29 provide data on the quantity and value of major carbon and specialty steel imports on a product-by-product basis. The EC, each VRA country, and the top non-VRA suppliers are specified.

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

- Table 31 provides data on imports of selected carbon and specialty steel products. The table also provides information which permits an examination of the extent to which shifts in product mix within major product categories is occurring.

- Tables 32-37 provide data on imports of steel mill products and certain fabricated products, by U.S. customs area.

Notes on Product Coverage and Methodology

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

The products on which foreign trade data are collected correspond to those covered by the VRA's with the exception of fabricated wire nails (TSUS item 646.3040, 646.3200, and 646.3600), stainless steel wire strand (TSUS item 642.0800), stainless steel wire rope (TSUS item 642.1400), and offshore oil platforms (TSUS item 652.700)), and those subject to limitation under separate specialty steel measures. Since the VRA's include certain fabricated products, the data may exceed that compiled by other organizations such as the AISI. The additional tonnage, however, is relatively small. In 1985 AISI reported imports of 24.3 million tons, which compares to the 24.9 million tons indicated in this report. The product categories most affected are structural shapes and units (which includes fabricated structurals in this report) and wire and wire products (which includes wire rope and wire strand).

The term EC in this report does not include Portugal and Spain, which are subject to separate VRA's.

Unit values are calculated using unrounded data. Import values are customs value. Trade data include imports under section 806.30 and 807.00 of the Tariff Schedules; the 806.30 and 807.00 provisions apply to U.S. merchandise which is exported, processed, and reimported into the United States.

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Table 1.—Steel: U.S. raw steel production, capability utilization, employment, wages, shipments, imports, exports, apparent consumption, net sales and net income 1983–87, and by specified periods, 1987 and 1988

Item	1983	1984	1985	1986	1987	January–September	
						1987	1988
Raw steel:							
Production (1,000 short tons)	84,615	92,528	88,259	81,606	88,472	64,587	75,075
Capability utilization (percent)	56.2	68.4	66.1	63.8	78.9	77.1	89.6
Continuously cast (percent)	32.1	39.6	44.4	55.2	52.5	59.7	60.0
Employment:							
Total (thousands)	243	236	208	175	163	161	170
Receiving wages (thousands)	169	171	151	128	121	119	126
Hourly employment cost 1/ (dollars)	22.21	21.30	22.81	23.57	23.70	23.59	24.64
Steel:							
Shipments (1,000 short tons)	67,584	73,740	73,043	64,947	76,473	56,151	62,992
Imports (1,000 short tons)	17,477	26,705	24,885	21,289	20,938	15,367	16,551
Exports (1,000 short tons)	1,282	1,081	992	980	1,176	774	1,137
Apparent consumption (1,000 short tons)	83,779	99,363	96,591	90,026	96,235	70,927	78,607
Ratio of imports to consumption (percent)	20.9	26.9	25.8	23.6	21.8	22.0	21.4
Financial:							
All operations:							
Net sales (million dollars)	45,974	53,619	53,651	41,912	2/ 32,314	3/	3/
Net income (million dollars)	(2,603)	(301)	(1,210)	(6,094)	2/ 1,121	3/	3/
Ratio of net sales to income (percent)	(5.7)	(0.6)	(2.3)	(14.5)	2/ 3.7	3/	3/
Steel operations:							
Net steel sales (million dollars)	24,463	30,132	29,473	24,891	26,840	19,752	24,486
Net steel income (million dollars)	(2,231)	(186)	(1,743)	(4,203)	1,017	988	2,476
Ratio of net sales to income (percent)	(9.1)	(0.6)	(5.9)	(16.9)	3.8	5.0	10.1

1/ Total employment costs (including benefits) of employees receiving wages.
2/ January–September.
3/ No longer available.

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

Table 2.--Steel mill products and certain fabricated steel products: U.S. producers shipments, by product and grade of steel, 1983-1987, and by specified periods, 1987 and 1988

(Short tons)

Item	1983	1984	1985	1986	1987	January-September 1987	January-September 1988
All grades of steel:							
Semifinished	998,242	1,306,044	1,374,524	1,388,649	2,095,599	1,579,884	1,175,030
Plate	3,816,069	4,338,993	4,327,347	3,531,806	4,065,183	2,946,636	5,734,188
Sheet and strip	39,104,792	40,878,749	40,850,298	40,055,641	43,288,266	31,724,364	33,437,934
Bars & certain shapes 1/	11,699,722	13,232,473	12,667,539	12,101,642	12,937,033	9,601,513	10,746,544
Wire rod	2,857,394	3,090,036	2,961,769	3,493,632	3,838,788	2,778,967	3,096,646
Wire	1,010,410	962,726	874,135	797,859	786,963	596,873	865,916
Wire products	348,794	259,616	262,268	278,068	304,761	239,237	3/
Structural shapes & units	3,622,050	4,156,233	4,698,305	4,815,432	5,081,809	3,688,809	4,014,656
Rails & related products	883,907	1,238,900	931,313	647,697	504,561	416,238	390,182
Pipe and tube	3,242,147	4,275,759	4,095,825	2,836,458	3,569,647	2,578,899	3,530,648
Total	67,583,527	73,739,529	73,043,323	69,946,884	76,472,610	56,151,420	62,991,744
Carbon & certain alloy 2/ steel:							
Semifinished	963,421	1,266,364	1,327,766	1,339,062	2,018,535	1,527,611	1,279,390
Plate	3,715,228	4,223,128	4,185,883	3,415,947	3,906,102	2,832,675	5,600,208
Sheet and strip	38,322,411	40,058,979	40,018,167	39,256,239	42,347,623	31,028,049	32,625,720
Bars & certain shapes	11,552,450	13,031,564	12,478,002	11,926,843	12,753,157	9,463,277	10,592,442
Wire rod	2,822,416	3,038,112	2,931,897	3,457,233	3,791,034	2,748,016	3,050,819
Wire	983,850	933,382	851,841	773,204	760,229	576,961	843,509
Wire products	348,794	259,616	262,268	278,068	304,761	239,237	3/
Structural shapes & units	3,622,050	4,156,233	4,698,305	4,815,432	5,081,809	3,688,809	4,014,656
Rails & related products	883,907	1,238,900	931,313	647,697	504,561	416,238	390,182
Pipe and tube	3,185,736	4,224,071	4,046,771	2,794,218	3,527,867	2,547,760	3,488,577
Total	66,400,263	72,430,349	71,732,213	68,703,943	74,995,678	55,068,633	61,885,503
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished	34,821	39,680	46,758	49,587	77,064	52,273	57,926
Plate	100,841	115,865	141,464	115,859	159,081	113,961	133,980
Sheet and strip	782,381	819,770	832,131	799,402	940,643	696,315	812,214
Bars & certain shapes	101,107	139,980	129,267	119,024	125,441	95,451	106,138
Wire rod	34,978	51,924	29,872	36,399	47,754	30,951	45,827
Wire	26,560	29,344	22,294	24,655	26,734	19,912	22,407
Pipe and tube	56,411	51,688	49,054	42,240	41,780	31,139	42,071
Tool steel (all forms)	46,165	60,929	60,270	55,775	58,435	42,785	47,964
Total	1,183,264	1,309,180	1,311,110	1,242,941	1,476,932	1,082,787	1,268,527

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, 1983-1987, and by specified periods, 1987 and 1988

(Short tons)

Item	1983	1984	1985	1986	1987	January-September 1987	January-September 1988
All grades of steel:							
Semifinished	822,483	1,632,065	2,440,368	2,084,322	2,288,995	1,701,534	2,302,598
Plate	1,398,955	1,782,050	1,772,309	1,456,790	1,566,694	1,114,862	1,453,482
Sheet and strip	7,231,584	10,332,032	9,046,089	8,278,604	7,875,891	5,919,152	5,455,835
Bars & certain shapes 1/	975,714	1,722,313	1,550,559	1,476,368	1,359,758	1,043,087	1,090,438
Wire rod	1,185,291	1,589,788	1,476,145	1,362,753	1,467,030	1,051,761	1,153,823
Wire	451,394	671,829	612,485	582,022	555,981	420,396	414,721
Wire products	616,359	738,680	674,960	636,591	649,377	505,373	433,798
Structural shapes & units	1,757,410	2,432,694	2,440,403	2,179,657	2,153,669	1,626,290	1,724,521
Rails & related products	175,433	373,890	382,046	275,710	245,988	170,073	224,024
Pipe and tube	2,862,342	5,429,839	4,489,287	2,956,303	2,775,091	2,069,491	2,565,372
Total	17,476,965	26,705,180	24,884,651	21,289,120	20,938,474	15,622,019	16,818,612
Carbon & certain alloy 2/ steel:							
Semifinished	821,033	1,618,365	2,430,078	2,066,700	2,232,270	1,657,947	2,254,565
Plate	1,393,705	1,774,614	1,760,812	1,440,375	1,555,577	1,106,477	1,442,504
Sheet and strip	7,147,441	10,194,435	8,910,469	8,127,033	7,746,596	5,820,676	5,368,678
Bars & certain shapes	906,081	1,652,025	1,475,447	1,393,731	1,281,168	984,438	1,025,598
Wire rod	1,158,788	1,570,952	1,456,078	1,344,256	1,448,720	1,038,279	1,139,854
Wire	440,697	649,126	590,317	564,481	536,897	406,167	400,706
Wire products	616,359	738,680	674,960	636,591	649,377	505,373	433,798
Structural shapes & units	1,757,410	2,432,694	2,440,403	2,179,657	2,153,669	1,626,290	1,724,521
Rails & related products	175,433	373,890	382,046	275,710	245,988	170,073	224,024
Pipe and tube	2,844,493	5,399,642	4,457,277	2,923,029	2,748,644	2,051,321	2,536,935
Total	17,261,440	26,404,423	24,577,887	20,951,563	20,598,906	15,367,041	16,551,183
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished	1,450	13,700	10,290	17,622	56,725	43,588	48,033
Plate	5,251	7,436	11,497	16,415	11,118	8,384	10,978
Sheet and strip	84,144	137,597	135,620	151,571	129,295	98,476	87,157
Bars & certain shapes	39,209	38,234	37,970	37,888	37,991	27,715	30,311
Wire rod	26,504	18,835	20,067	18,496	18,311	13,482	13,968
Wire	10,697	22,703	22,169	17,541	19,084	14,228	14,015
Pipe and tube	17,849	30,197	32,009	33,274	26,448	18,170	28,438
Tool steel (all forms)	30,423	32,054	37,142	44,749	40,599	30,934	34,529
Total	215,527	300,756	306,764	337,556	339,571	254,977	267,429

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, 1983-1987, and by specified periods, 1987 and 1988

(Short tons)

Item	1983	1984	1985	1986	1987	January-September 1987	January-September 1988
All grades of steel:							
Semifinished	102,757	73,536	89,708	58,885	73,543	49,562	31,695
Plate	101,981	88,184	82,988	69,565	96,538	67,155	82,785
Sheet and strip	463,261	389,577	375,396	507,420	556,991	387,741	670,999
Bars & certain shapes 1/	170,066	133,595	99,096	81,224	121,869	87,281	100,706
Wire rod	6,138	8,646	4,740	5,876	8,217	5,453	7,658
Wire	22,439	19,979	19,146	26,760	26,669	19,369	25,736
Wire products	22,292	22,085	19,253	24,731	23,257	16,999	20,684
Structural shapes & units	114,924	119,256	89,031	71,525	101,373	81,652	82,321
Rails & related products	20,075	19,079	13,430	13,131	15,755	10,386	16,615
Pipe and tube	257,968	207,426	199,258	121,050	152,155	120,981	163,938
Total	1,281,901	1,081,363	992,046	980,167	1,176,367	846,579	1,203,137
Carbon & certain alloy 2/ steel:							
Semifinished	101,392	72,285	82,650	57,932	71,362	46,857	29,375
Plate	93,887	84,813	74,957	66,042	92,057	63,573	73,003
Sheet and strip	439,443	369,495	349,620	477,803	501,010	339,015	637,421
Bars & certain shapes	160,404	126,090	89,241	72,134	111,619	79,896	89,195
Wire rod	5,440	7,918	3,716	5,049	6,889	4,454	6,708
Wire	16,301	17,524	17,182	24,033	22,863	16,389	22,978
Wire products	22,292	22,085	19,253	24,731	23,257	16,999	20,684
Structural shapes & units	114,924	119,256	89,031	71,525	101,373	81,652	82,321
Rails & related products	20,075	19,079	13,430	13,131	15,755	10,386	16,615
Pipe and tube	251,566	199,778	193,309	118,010	143,405	115,233	159,116
Total	1,225,724	1,038,323	932,389	930,390	1,089,590	774,454	1,137,416
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished	1,365	1,251	7,058	953	2,181	2,706	2,320
Plate	8,094	3,371	8,031	3,523	4,481	3,582	9,782
Sheet and strip	23,818	20,081	25,776	29,617	55,981	48,726	33,578
Bars & certain shapes	6,096	5,178	7,762	6,946	7,189	5,249	8,373
Wire rod	698	728	1,024	828	1,328	999	950
Wire	6,138	2,455	1,964	2,728	3,806	2,980	2,757
Pipe and tube	6,403	7,648	5,948	3,040	8,751	5,748	4,822
Tool steel (all forms)	3,566	2,326	2,094	2,144	3,061	2,136	3,138
Total	56,178	43,038	59,657	49,779	86,778	72,126	65,720

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, 1983-1987 ,and by specified periods, 1987 and 1988

(Short tons)

Item	1983	1984	1985	1986	1987	January-September 1987	January-September 1988
All grades of steel:							
Semifinished	1,717,968	2,864,573	3,725,184	3,414,086	4,311,051	3,231,856	3,445,933
Plate	5,113,043	6,032,859	6,016,668	4,919,031	5,535,339	3,994,343	7,104,885
Sheet and strip	45,873,115	50,821,204	49,520,991	47,826,825	50,607,166	37,255,775	38,222,770
Bars & certain shapes 1/	12,505,370	14,821,191	14,119,002	13,496,786	14,174,922	10,557,319	11,736,276
Wire rod	4,036,547	4,671,178	4,433,174	4,850,509	5,297,601	3,825,275	4,242,811
Wire	1,439,365	1,614,576	1,467,474	1,353,121	1,316,275	997,900	1,254,901
Wire products	942,861	976,211	917,975	889,928	930,881	727,611	3/
Structural shapes & units	5,264,536	6,469,671	7,049,677	6,923,564	7,134,105	5,233,447	5,656,856
Rails & related products	1,039,265	1,593,711	1,299,929	910,276	734,794	575,925	597,591
Pipe and tube	5,846,521	9,498,172	8,385,854	5,671,711	6,192,583	4,527,409	5,932,082
Total	83,778,591	99,363,346	96,935,928	90,255,837	96,234,717	70,926,860	78,607,219
Carbon & certain alloy 2/ steel:							
Semifinished	1,683,062	2,812,444	3,675,194	3,347,830	4,179,443	3,138,701	3,504,580
Plate	5,015,046	5,912,929	5,871,738	4,790,280	5,369,622	3,875,579	6,969,709
Sheet and strip	45,030,409	49,883,919	48,579,016	46,905,469	49,593,209	36,509,710	37,356,977
Bars & certain shapes	12,298,127	14,557,499	13,864,208	13,248,440	13,922,706	10,367,819	11,528,845
Wire rod	3,975,764	4,601,146	4,384,259	4,796,440	5,232,865	3,781,841	4,183,965
Wire	1,408,246	1,564,984	1,424,976	1,313,652	1,274,263	966,739	1,221,237
Wire products	942,861	976,211	917,975	889,928	930,881	727,611	3/
Structural shapes & units	5,264,536	6,469,671	7,049,677	6,923,564	7,134,105	5,233,447	5,656,856
Rails & related products	1,039,265	1,593,711	1,299,929	910,276	734,794	575,925	597,591
Pipe and tube	5,778,663	9,423,935	8,310,739	5,599,237	6,133,106	4,483,848	5,866,396
Total	82,435,979	97,796,449	95,377,711	88,725,116	94,504,994	69,661,220	77,299,270
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished	34,906	52,129	49,990	66,256	131,608	93,155	103,639
Plate	97,998	119,930	144,930	128,751	165,718	118,763	135,176
Sheet and strip	842,707	937,286	941,975	921,356	1,013,957	746,065	865,793
Bars & certain shapes	134,220	173,036	159,475	149,966	156,243	117,917	128,076
Wire rod	60,784	70,031	48,915	54,067	64,737	43,434	58,845
Wire	31,119	49,592	42,499	39,468	42,012	31,160	33,665
Pipe and tube	67,857	74,237	75,115	72,474	59,477	43,561	65,687
Tool steel (all forms)	73,022	90,657	95,318	98,380	95,973	71,583	79,355
Total	1,342,613	1,566,898	1,558,217	1,530,718	1,729,725	1,265,638	1,470,236

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, 1983-1987, and by specific periods, 1987 and 1988

(Percent)

Item	1983	1984	1985	1986	1987	January-September 1987	January-September 1988
All grades of steel:							
Semifinished	47.9	57.0	65.5	61.1	53.1	52.6	66.8
Plate	27.4	29.5	29.5	29.6	28.3	27.9	20.5
Sheet and strip	15.8	20.3	18.3	17.3	15.6	15.9	14.3
Bars & certain shapes 1/	7.8	11.6	11.0	10.9	9.6	9.9	9.3
Wire rod	29.4	34.0	33.3	28.1	27.7	27.5	27.2
Wire	31.4	41.6	41.7	43.0	42.2	42.1	33.0
Wire products	65.4	75.7	73.5	71.5	69.8	69.5	3/
Structural shapes & units	33.4	37.6	34.6	31.5	30.2	31.1	30.5
Rails & related products	16.9	23.5	29.4	30.3	33.5	29.5	37.5
Pipe and tube	49.0	57.2	53.5	52.1	44.8	45.7	43.2
Total	20.9	26.9	25.7	23.6	21.8	22.0	21.4
Carbon & certain alloy 2/ steel:							
Semifinished	48.8	57.5	66.1	61.7	53.4	52.8	64.3
Plate	27.8	30.0	30.0	30.1	29.0	28.5	20.7
Sheet and strip	15.9	20.4	18.3	17.3	15.6	15.9	14.4
Bars & certain shapes	7.4	11.3	10.6	10.5	9.2	9.5	8.9
Wire rod	29.1	34.1	33.2	28.0	27.7	27.5	27.2
Wire	31.3	41.5	41.4	43.0	42.1	42.0	32.8
Wire products	65.4	75.7	73.5	71.5	69.8	69.5	3/
Structural shapes & units	33.4	37.6	34.6	31.5	30.2	31.1	30.5
Rails & related products	16.9	23.5	29.4	30.3	33.5	29.5	37.5
Pipe and tube	49.2	57.3	53.6	52.2	44.8	45.7	43.2
Total	20.9	27.0	25.8	23.6	21.8	22.1	21.4
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished	4.2	26.3	20.6	26.6	43.1	46.8	46.3
Plate	5.4	6.2	7.9	12.7	6.7	7.1	8.1
Sheet and strip	10.0	14.7	14.4	16.5	12.8	13.2	10.1
Bars & certain shapes	29.2	22.1	23.8	25.3	24.3	23.5	23.7
Wire rod	43.6	26.9	41.0	34.2	28.3	31.0	23.7
Wire	34.4	45.8	52.2	44.4	45.4	45.7	41.6
Pipe and tube	26.3	40.7	42.6	45.9	44.5	41.7	43.3
Tool steel (all forms)	41.7	35.4	39.0	45.5	42.3	43.2	43.5
Total	16.1	19.2	19.7	22.1	19.6	20.1	18.2

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, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	192,242	155,112	120,312	215,488
Austria	133,177	119,666	91,870	94,541
Brazil	1,129,406	1,152,972	766,957	1,095,867
Czechoslovakia	32,249	29,792	27,256	31,579
East Germany	60,712	95,910	76,803	67,137
EC countries	6,030,059	5,314,371	3,985,447	4,284,586
Finland	201,873	174,889	134,132	147,579
Hungary	20,572	27,064	22,701	21,531
Japan	4,514,994	4,384,621	3,268,103	3,282,489
Mexico	435,286	491,204	351,625	381,978
Peoples Rep of China	41,919	51,107	40,410	46,589
Poland	60,609	91,936	63,337	80,970
Portugal	27,654	31,087	25,158	17,547
Romania	87,616	82,408	75,320	95,398
Republic of South Africa	518,535	30,015	26,932	1,693
Korea, Republic of	1,641,578	1,434,872	1,106,583	1,193,981
Spain	633,147	520,988	447,429	387,731
Trinidad and Tobago	77,219	62,575	52,129	25,873
Venezuela	141,503	170,571	127,105	135,119
Yugoslavia	24,954	15,394	12,387	10,502
Total	16,005,304	14,436,554	10,821,996	11,618,178
Other countries:				
Canada	3,373,544	3,809,440	2,887,106	2,698,909
Sweden	549,930	609,367	460,145	493,419
Turkey	150,345	407,413	328,498	275,639
Argentina	177,808	346,494	235,457	491,002
Taiwan	500,952	263,415	192,747	199,173
Indonesia	37,903	235,573	147,958	202,681
Norway	96,802	154,231	92,942	134,463
Singapore	115,307	144,538	101,905	112,155
Thailand	67,022	120,179	80,707	133,211
Malaysia	22,547	91,857	70,519	25,424
All others	191,654	319,414	202,035	434,358
Total	5,283,814	6,501,921	4,800,019	5,200,434
Grand total	21,289,118	20,938,475	15,622,015	16,818,612

Table 7.--Steel mill products and certain fabricated steel products: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	72,997	70,374	53,618	86,390
Austria	60,696	58,007	42,794	58,390
Brazil	304,039	328,749	221,984	336,397
Czechoslovakia	6,934	7,156	6,326	9,858
East Germany	15,306	25,328	20,094	21,223
EC countries	2,317,164	2,197,086	1,632,959	1,980,180
Finland	68,472	65,035	48,908	71,176
Hungary	4,666	6,191	5,199	5,845
Japan	2,198,391	2,189,840	1,612,978	1,907,133
Mexico	155,577	204,210	149,958	183,955
Peoples Rep of China	16,727	23,586	19,004	18,257
Poland	17,140	27,141	18,340	26,692
Portugal	11,477	15,163	12,176	8,863
Romania	23,574	25,093	22,828	33,354
Republic of South Africa	147,667	7,322	5,736	1,487
Korea, Republic of	652,523	633,718	481,212	577,479
Spain	225,055	200,168	165,844	188,569
Trinidad and Tobago	18,733	15,482	12,883	6,973
Venezuela	44,596	48,835	36,027	43,535
Yugoslavia	7,279	5,404	4,383	4,902
Total	6,369,013	6,153,888	4,573,251	5,570,658
Other countries:				
Canada	1,403,210	1,660,699	1,253,857	1,331,525
Sweden	267,008	301,016	220,597	283,468
Turkey	41,225	123,568	97,771	79,969
Argentina	55,641	122,695	81,224	191,852
Taiwan	177,140	118,228	86,021	101,616
Indonesia	9,587	56,949	35,153	56,389
Norway	28,685	39,735	25,451	38,551
Singapore	33,694	42,953	31,393	36,868
Thailand	21,750	43,817	28,514	53,720
Malaysia	5,586	23,736	18,304	10,103
All others	84,323	123,864	86,249	159,708
Total	2,127,849	2,657,260	1,964,534	2,343,769
Grand total	8,496,862	8,811,148	6,537,785	7,914,427

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, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January-September 1987	January-September 1988
	Quantity (Short tons)			
VRA countries:				
Australia	179,910	155,077	120,312	141,796
Austria	133,151	119,666	91,870	94,507
Brazil	723,773	671,685	452,396	552,785
Czechoslovakia	32,249	29,792	27,256	31,579
East Germany	60,712	95,909	76,802	67,137
EC	5,265,505	4,358,698	3,217,768	3,349,968
Finland	184,577	160,941	120,184	144,340
Hungary	20,572	26,495	22,132	21,531
Japan	4,356,644	4,291,332	3,201,049	3,224,034
Mexico	367,873	429,320	321,228	326,238
Peoples Rep of China	41,919	51,093	40,397	46,589
Poland	60,609	90,476	63,160	80,617
Portugal	27,654	31,087	25,158	17,547
Romania	87,616	82,408	75,320	95,398
Republic of South Africa	456,634	7,437	4,353	1,693
Korea, Republic of	1,610,116	1,407,830	1,087,850	1,166,887
Spain	590,902	484,083	410,790	353,906
Trinidad and Tobago	77,219	62,575	52,129	22,815
Venezuela	141,503	130,749	94,324	104,410
Yugoslavia	24,954	15,394	12,387	10,502
Total	14,444,092	12,702,047	9,516,865	9,854,279
Other countries:				
Canada	3,160,374	3,673,795	2,780,358	2,608,968
Turkey	150,345	407,413	328,498	275,639
Argentina	177,808	343,363	232,326	468,181
Sweden	240,961	267,311	187,331	212,992
Taiwan	500,835	263,415	192,747	199,173
Indonesia	37,903	234,667	147,052	198,532
Singapore	115,307	144,538	101,905	112,155
Thailand	67,022	120,179	80,707	133,211
Norway	96,802	109,791	81,552	86,393
Malaysia	22,547	91,857	70,519	25,424
All others	190,801	291,103	200,619	341,066
Total	4,760,705	5,947,432	4,403,614	4,661,734
Grand total	19,204,797	18,649,479	13,920,479	14,516,013

See footnotes at end of table.

Table 8.--Steel other than semifinished steel: 1/ U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January-September 1987	January-September 1988
	Import/consumption ratio (percent)			
VRA countries:				
Australia	.2	.2	.2	.2
Austria	.2	.1	.1	.1
Brazil	.8	.7	.7	.7
Czechoslovakia	2/	2/	2/	2/
East Germany	.1	.1	.1	.1
EC	6.1	4.7	4.8	4.5
Finland	.2	.2	.2	.2
Hungary	2/	2/	2/	2/
Japan	5.0	4.7	4.7	4.3
Mexico	.4	.5	.5	.4
Peoples Rep of China	2/	.1	.1	.1
Poland	.1	.1	.1	.1
Portugal	2/	2/	2/	2/
Romania	.1	.1	.1	.1
Republic of South Africa	.5	2/	2/	2/
Korea, Republic of	1.9	1.5	1.6	1.6
Spain	.7	.5	.6	.5
Trinidad and Tobago	.1	.1	.1	2/
Venezuela	.2	.1	.1	.1
Yugoslavia	2/	2/	2/	2/
Total	16.6	13.8	14.1	13.1
Other countries:				
Canada	3.6	4.0	4.1	3.5
Turkey	.2	.4	.5	.4
Argentina	.2	.4	.3	.6
Sweden	.3	.3	.3	.3
Taiwan	.6	.3	.3	.3
Indonesia	2/	.3	.2	.3
Singapore	.1	.2	.2	.1
Thailand	.1	.1	.1	.2
Norway	.1	.1	.1	.1
Malaysia	2/	.1	.1	2/
All others	.2	.3	.3	.5
Total	5.5	6.5	6.5	6.2
Grand total	22.1	20.3	20.6	19.3

1/ Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.
2/ Less than 0.05 percent.

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

Table 9.--Semifinished steel: 1/ U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988

Source	Voluntary restraint level 2/	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)				
VRA countries:					
Australia	50,000	12,332	35	0	73,692
Austria	3/	27	0	0	34
Brazil	700,000	405,633	481,287	314,562	543,082
Czechoslovakia	3/	0	0	0	0
East Germany	3/	0	1	1	0
EC Countries	4/ 820,000	764,554	955,673	767,679	934,618
Finland	15,000	17,296	13,948	13,948	3,239
Hungary	3/	0	569	569	0
Japan	100,000	158,350	93,288	67,054	58,455
Mexico	100,000	67,413	61,884	30,397	55,739
Peoples Rep of China	3/	0	13	13	0
Poland	3/	0	1,460	176	353
Portugal	3/	0	0	0	0
Romania	3/	0	0	0	0
Republic of South Africa	5/ 100,000	61,901	22,578	22,578	0
Korea, Republic of	50,000	31,462	27,043	18,733	27,094
Spain	50,000	42,245	36,905	36,639	33,824
Trinidad and Tobago	3,500	0	0	0	3,058
Venezuela	60,000	0	39,822	32,781	30,709
Yugoslavia	3/	0	0	0	0
Total	2,048,500	1,561,213	1,734,506	1,305,130	1,763,897
Other countries:					
Sweden	6/	308,968	342,056	272,814	280,427
Canada	6/	213,170	135,645	106,747	89,941
Norway	6/	0	44,440	11,390	48,070
New Zealand	6/	0	28,212	1,333	46,214
Argentina	6/	0	3,131	3,131	22,820
Indonesia	6/	0	906	906	4,149
Switzerland	6/	74	99	83	0
Peru	6/	551	0	0	0
U. S. S. R.	6/	226	0	0	47,078
Hong Kong	6/	3	0	0	0
All others	6/	117	0	0	0
Total	6/	523,109	554,489	396,404	538,699
Grand total	2,048,500	2,084,322	2,288,995	1,701,534	2,302,596

1/ Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.
2/ Restraint level applicable to year ending December 31, 1988.
3/ No explicit semifinished steel provisions.
4/ Includes 200,000 tons which may be imported at the discretion of the U.S. Trade Representative.
5/ Steel imports from South Africa in 1988 are reduced by the Comprehensive Anti-Apartheid Act of 1986, which embargoes certain steel products.
6/ Not applicable.
Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 10.--Carbon and certain alloy 1/ semifinished steel: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	12,332	35	0	73,692
Austria	9	0	0	0
Brazil	405,474	467,926	301,951	541,399
Czechoslovakia	0	0	0	0
East Germany	0	1	1	0
EC countries	763,434	949,332	763,392	931,911
Finland	17,261	13,948	13,948	3,239
Hungary	0	569	569	0
Japan	155,609	89,683	64,179	56,716
Mexico	67,413	61,884	30,397	55,739
Peoples Rep of China	0	13	13	0
Poland	0	1,460	176	279
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	61,901	22,578	22,578	0
Korea, Republic of	31,462	27,043	18,733	27,094
Spain	41,702	36,537	36,537	30,268
Trinidad and Tobago	0	0	0	3,058
Venezuela	0	39,822	32,781	30,709
Yugoslavia	0	0	0	0
Total	1,556,597	1,710,831	1,285,255	1,754,104
Other countries:				
Sweden	302,769	334,207	267,714	268,019
Canada	206,363	110,445	88,136	64,110
Norway	0	44,440	11,390	48,070
New Zealand	0	28,212	1,333	46,214
Argentina	0	3,131	3,131	22,820
Indonesia	0	906	906	4,149
Switzerland	74	99	83	2/
Peru	551	0	0	0
U. S. S. R.	226	0	0	47,078
Hong Kong	3	0	0	0
All others	117	0	0	0
Total	510,103	521,440	372,693	500,460
Grand total	2,066,700	2,232,271	1,657,948	2,254,564

See footnote(s) at end of table.

Table 10.--Carbon and certain alloy 1/ semifinished steel: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	1,846	6	0	13,910
Austria	24	0	0	0
Brazil	71,086	87,231	55,949	119,025
Czechoslovakia	0	0	0	0
East Germany	0	7	7	0
EC countries	150,148	208,398	163,301	223,831
Finland	3,190	2,945	2,945	770
Hungary	0	128	128	0
Japan	27,546	20,477	14,720	14,125
Mexico	10,994	11,428	5,804	13,616
Peoples Rep of China	0	30	30	0
Poland	0	342	41	69
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	9,683	3,548	3,548	0
Korea, Republic of	5,586	4,809	3,225	6,848
Spain	7,550	6,503	6,503	6,521
Trinidad and Tobago	0	0	0	617
Venezuela	0	6,708	5,508	6,205
Yugoslavia	0	0	0	0
Total	287,653	352,560	261,709	405,537
Other countries:				
Sweden	61,934	76,098	60,438	67,544
Canada	44,986	26,940	21,736	18,760
Norway	0	8,098	2,010	10,637
New Zealand	0	6,332	1,800	13,489
Argentina	0	1,109	1,109	6,147
Indonesia	0	242	242	1,195
Switzerland	19	140	133	3
Peru	541	0	0	0
U. S. S. R.	204	0	0	6,946
All others	40	0	0	0
Total	107,724	118,959	87,468	124,721
Grand total	395,377	471,519	349,177	530,258

1/ Certain alloy refers to alloy steel other than stainless or tool steel.
2/ Less than 0.5 short ton.

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

Table 11.--Carbon and certain alloy 1/ steel plate: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	2,057	5,014	2,941	4,508
Austria	8,380	9,701	6,209	12,124
Brazil	100,352	112,608	63,373	133,616
Czechoslovakia	11,490	10,416	10,416	12,640
East Germany	6,709	16,091	12,519	12,710
EC countries	479,658	381,994	270,759	334,107
Finland	78,057	69,486	52,571	63,340
Hungary	12,318	13,933	11,597	11,367
Japan	42,638	35,903	27,016	29,205
Mexico	14,570	12,930	10,501	15,244
Peoples Rep of China	0	0	0	26
Poland	11,247	30,633	20,606	27,488
Portugal	0	0	0	0
Romania	59,620	49,274	42,209	65,003
Republic of South Africa	83,134	465	465	0
Korea, Republic of	78,292	64,323	53,296	50,979
Spain	77,646	63,973	59,878	38,683
Trinidad and Tobago	0	0	0	389
Venezuela	4,778	6,872	4,498	6,613
Yugoslavia	11,869	0	0	1,423
Total	1,082,815	883,616	648,854	819,465
Other countries:				
Canada	254,535	449,135	325,511	341,448
Sweden	70,057	106,253	69,988	87,937
Indonesia	7,596	46,701	18,313	60,148
India	10,940	35,711	24,042	34,780
Argentina	5,067	17,499	11,006	41,477
Pakistan	0	6,227	605	15,610
Turkey	22	6,145	4,118	5,946
Rhodesia	2,664	2,038	2,038	0
Norway	0	1,229	1,229	0
Israel	1,188	671	425	1,729
All others	5,491	352	348	33,965
Total	357,560	671,961	457,623	623,040
Grand total	1,440,375	1,555,577	1,106,477	1,442,505

See footnote(s) at end of table.

Table 11.--Carbon and certain alloy 1/ steel plate: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	1,073	2,285	1,453	2,473
Austria	2,890	3,379	2,261	4,908
Brazil	30,298	36,299	21,044	50,219
Czechoslovakia	2,376	2,292	2,292	3,966
East Germany	1,427	3,761	2,978	3,925
EC countries	138,765	126,682	91,682	139,963
Finland	19,511	18,573	13,545	25,839
Hungary	2,781	3,104	2,579	2,968
Japan	19,267	19,324	13,871	17,959
Mexico	3,316	3,340	2,612	5,830
Peoples Rep of China	0	0	0	28
Poland	2,277	7,316	4,734	8,735
Portugal	0	0	0	0
Romania	14,463	13,447	11,259	21,690
Republic of South Africa	20,980	145	145	0
Korea, Republic of	21,674	21,560	16,933	20,823
Spain	21,417	20,059	18,143	17,494
Trinidad and Tobago	0	0	0	122
Venezuela	1,084	1,762	1,121	2,045
Yugoslavia	2,881	0	0	461
Total	306,480	283,328	206,652	329,448
Other countries:				
Canada	84,532	155,991	111,538	141,865
Sweden	23,347	40,807	25,737	40,982
Indonesia	1,799	12,461	4,911	17,585
India	2,551	13,055	8,528	14,024
Argentina	1,238	4,317	2,609	13,159
Pakistan	0	2,559	1,289	4,117
Turkey	5	1,554	962	2,186
Rhodesia	840	681	681	0
Norway	0	508	508	0
Israel	522	288	189	754
All others	1,677	231	225	10,418
Total	116,511	232,452	157,177	245,090
Grand total	422,991	515,780	363,829	574,538

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 12.--Carbon and certain alloy 1/ steel sheet and strip: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	148,370	123,054	95,605	115,235
Austria	101,853	82,055	65,877	53,858
Brazil	320,745	343,715	242,058	182,329
Czechoslovakia	743	2,410	2,410	0
East Germany	41,841	61,012	47,310	34,094
EC countries	2,560,423	2,172,597	1,581,376	1,529,063
Finland	82,084	71,070	53,407	60,355
Hungary	8,232	9,600	7,629	9,557
Japan	2,445,266	2,381,393	1,800,648	1,607,161
Mexico	105,699	127,973	95,420	113,631
Peoples Rep of China	34	584	534	0
Poland	9,693	13,390	7,091	10,568
Portugal	26,547	29,872	24,179	16,837
Romania	6,111	3,665	3,665	6,731
Republic of South Africa	185,645	372	372	0
Korea, Republic of	664,256	603,796	469,468	394,784
Spain	165,958	100,179	91,133	72,217
Trinidad and Tobago	0	0	0	63
Venezuela	77,327	56,293	44,831	53,985
Yugoslavia	0	0	0	0
Total	6,950,827	6,183,030	4,633,013	4,260,468
Other countries:				
Canada	883,258	1,119,490	873,422	681,766
Argentina	108,394	175,619	117,986	228,230
Turkey	35,921	67,134	54,077	17,019
Sweden	46,191	61,509	44,441	43,165
Taiwan	54,232	60,024	39,355	61,225
Indonesia	3,252	24,966	17,824	13,019
Norway	15,560	15,629	12,079	9,283
Algeria	10,998	11,632	8,358	21,102
New Zealand	13,862	10,795	9,136	18,674
Pakistan	0	10,113	4,978	8,324
All others	4,540	6,653	6,006	6,406
Total	1,176,208	1,563,564	1,187,662	1,108,213
Grand total	8,127,035	7,746,594	5,820,675	5,368,681

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, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	60,856	59,001	45,120	62,216
Austria	32,746	26,289	20,945	20,907
Brazil	94,568	119,782	83,674	71,018
Czechoslovakia	192	644	644	0
East Germany	11,130	17,087	13,170	11,946
EC countries	949,298	877,390	632,148	704,187
Finland	24,700	25,253	18,715	23,182
Hungary	1,871	2,371	1,921	2,602
Japan	1,168,831	1,208,940	908,906	883,288
Mexico	45,921	60,338	44,405	62,425
Peoples Rep of China	8	114	86	0
Poland	3,195	5,198	2,658	4,833
Portugal	10,687	14,108	11,413	8,172
Romania	2,368	1,246	1,246	2,176
Republic of South Africa	59,193	124	124	0
Korea, Republic of	229,043	234,228	179,332	167,449
Spain	62,503	40,855	36,672	33,721
Trinidad and Tobago	0	0	0	19
Venezuela	24,685	18,728	14,962	20,671
Yugoslavia	0	0	0	0
Total	2,781,795	2,711,696	2,016,141	2,078,812
Other countries:				
Canada	345,314	463,992	361,601	300,957
Argentina	32,127	64,208	42,430	86,455
Turkey	11,900	27,144	21,631	6,256
Sweden	31,917	37,494	27,613	31,300
Taiwan	17,259	22,313	14,725	24,285
Indonesia	757	6,638	4,802	4,078
Norway	7,847	7,955	6,117	4,941
Algeria	3,812	4,076	3,247	8,668
New Zealand	8,195	5,600	4,689	7,314
Pakistan	0	2,221	1,061	3,600
All others	1,662	2,985	2,601	2,845
Total	460,790	644,626	490,517	480,699
Grand total	3,242,585	3,356,322	2,506,658	2,559,511

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, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	174	117	97	77
Austria	692	394	286	644
Brazil	53,328	50,090	38,944	78,596
Czechoslovakia	0	0	0	0
East Germany	43	2	2	0
EC countries	252,311	209,024	163,783	153,374
Finland	2,788	2,752	2,190	2,910
Hungary	0	43	43	22
Japan	144,395	154,408	118,821	84,115
Mexico	20,138	31,521	23,036	16,545
Peoples Rep of China	13,844	4,820	3,813	2,935
Poland	471	1,037	771	819
Portugal	0	0	0	2/
Romania	0	122	99	29
Republic of South Africa	13,137	221	221	0
Korea, Republic of	72,422	56,173	45,247	56,119
Spain	33,006	30,581	21,960	32,049
Trinidad and Tobago	32,981	18,047	15,932	11,508
Venezuela	14,417	13,530	10,113	12,305
Yugoslavia	0	287	287	0
Total	654,147	573,169	445,645	452,047
Other countries:				
Canada	378,241	379,637	283,424	330,004
Turkey	46,064	94,882	69,501	92,834
Indonesia	167	44,957	37,722	34,145
Taiwan	173,446	44,665	33,497	27,065
Singapore	40,134	39,869	25,067	6,897
Malaysia	0	29,495	29,495	1,171
Norway	28,134	28,347	22,395	24,522
Argentina	13,194	18,954	14,567	36,260
India	8,936	10,014	8,437	9,132
Sweden	10,998	7,255	5,296	7,233
All others	40,270	9,924	9,392	4,285
Total	739,584	707,999	538,793	573,548
Grand total	1,393,731	1,281,168	984,438	1,025,595

See footnote(s) at end of table.

Table 13.--Carbon and certain alloy 1/ steel bars and light shapes: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	119	92	76	53
Austria	828	590	440	579
Brazil	14,160	15,461	12,023	23,492
Czechoslovakia	0	0	0	0
East Germany	13	1	1	0
EC countries	104,843	154,145	132,597	78,756
Finland	1,504	1,685	1,333	1,858
Hungary	0	14	14	9
Japan	58,397	62,568	47,684	37,385
Mexico	5,702	8,595	5,801	6,275
Peoples Rep of China	3,074	1,683	1,323	1,124
Poland	314	548	381	572
Portugal	0	0	0	2
Romania	0	600	522	103
Republic of South Africa	2,930	71	71	0
Korea, Republic of	18,324	15,094	12,173	15,413
Spain	11,077	11,163	7,828	13,806
Trinidad and Tobago	8,502	5,496	5,000	2,973
Venezuela	3,229	3,187	2,429	3,298
Yugoslavia	0	73	73	0
Total	233,016	281,066	229,769	185,698
Other countries:				
Canada	137,503	146,520	108,770	142,221
Turkey	10,100	24,960	17,215	23,834
Indonesia	36	9,076	7,653	9,209
Taiwan	40,070	11,531	8,589	8,221
Singapore	9,055	10,128	6,997	1,751
Malaysia	0	7,372	7,372	478
Norway	5,801	5,906	4,674	5,821
Argentina	3,321	4,865	3,662	11,231
India	3,394	3,490	2,874	3,123
Sweden	5,868	4,732	3,463	4,280
All others	10,063	2,633	2,306	1,531
Total	225,211	231,213	173,575	211,700
Grand total	458,227	512,279	403,344	397,398

1/ Certain alloy refers to alloy steel other than stainless or tool steel.
2/ Less than 0.5 short ton.

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

Table 14.--Carbon and certain alloy 1/ steel wire rod: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	10,953	9,664	8,062	7,726
Austria	2,040	401	401	283
Brazil	50,172	50,183	27,574	46,182
Czechoslovakia	16,668	10,307	10,307	12,894
East Germany	10,485	12,806	12,806	13,832
EC countries	244,578	235,247	157,639	174,553
Finland	6,736	2,237	0	2,237
Hungary	0	2,862	2,862	0
Japan	263,715	245,672	179,905	197,976
Mexico	60,523	62,826	42,388	43,811
Peoples Rep of China	0	0	0	27
Poland	0	0	0	7,606
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	14,971	0	0	0
Korea, Republic of	94	432	188	772
Spain	48,926	40,302	33,337	26,903
Trinidad and Tobago	44,035	43,094	35,471	9,563
Venezuela	2,248	4,471	0	8,364
Yugoslavia	0	0	0	0
Total	776,144	720,504	510,940	552,729
Other countries:				
Canada	376,954	390,071	298,480	279,409
Indonesia	26,888	97,932	61,136	69,182
Turkey	23,523	61,072	44,982	114,505
Singapore	33,065	60,425	46,028	63,442
Malaysia	18,074	47,789	31,119	2,355
Saudi Arabia	0	42,619	23,465	17,972
Taiwan	42,042	15,798	12,108	13,782
Sweden	41,688	10,079	7,595	15,322
New Zealand	559	1,505	1,505	0
Dominican Republic	4	765	765	0
All others	5,316	161	155	11,156
Total	568,113	728,216	527,338	587,125
Grand total	1,344,257	1,448,720	1,038,278	1,139,854

See footnote(s) at end of table.

Table 14.--Carbon and certain alloy 1/ steel wire rod: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	2,183	1,983	1,643	1,648
Austria	677	179	179	159
Brazil	9,730	12,145	6,960	12,825
Czechoslovakia	3,239	2,164	2,164	3,034
East Germany	2,130	2,585	2,585	2,970
EC countries	79,431	84,580	57,852	67,608
Finland	2,035	692	0	741
Hungary	0	557	557	0
Japan	110,977	103,044	74,920	87,433
Mexico	12,961	14,093	9,591	10,921
Peoples Rep of China	0	0	0	9
Poland	0	0	0	1,612
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	3,323	0	0	0
Korea, Republic of	61	179	76	337
Spain	12,776	11,411	9,600	7,336
Trinidad and Tobago	9,911	9,538	7,663	2,660
Venezuela	486	1,014	0	1,985
Yugoslavia	0	0	0	0
Total	249,920	244,164	173,790	201,278
Other countries:				
Canada	120,938	127,412	96,735	100,831
Indonesia	6,995	21,082	13,105	16,185
Turkey	5,354	13,673	9,958	29,142
Singapore	7,633	14,388	11,008	16,703
Malaysia	4,072	11,059	7,427	622
Saudi Arabia	0	8,616	4,817	3,719
Taiwan	13,766	6,199	4,845	5,536
Sweden	16,323	6,215	4,680	7,384
New Zealand	967	310	310	0
Dominican Republic	1	157	157	0
All others	1,411	42	37	2,664
Total	177,460	209,153	153,079	182,786
Grand total	427,380	453,317	326,869	384,064

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

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

Table 15.--Carbon and certain alloy 1/ steel wire: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	4,560	4,963	3,825	3,059
Austria	1,950	2,484	1,960	1,270
Brazil	10,693	10,577	8,165	12,412
Czechoslovakia	0	0	0	0
East Germany	191	89	89	0
EC countries	173,859	174,468	131,130	130,606
Finland	1,241	400	340	337
Hungary	22	57	0	0
Japan	108,486	96,684	74,892	59,304
Mexico	3,024	3,991	3,313	1,756
Peoples Rep of China	4,400	7,302	5,730	6,889
Poland	121	2	2	38
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	11,973	187	187	0
Korea, Republic of	10,949	8,226	5,507	4,756
Spain	79	40	40	22
Trinidad and Tobago	198	1,435	726	1,060
Venezuela	6,782	7,717	5,289	5,611
Yugoslavia	0	42	42	3
Total	338,528	318,664	241,237	227,123
Other countries:				
Canada	203,478	194,819	147,815	148,882
Sweden	8,620	7,745	5,691	5,199
Taiwan	2,843	3,217	2,286	4,111
Bahamas	2,742	2,708	2,285	0
India	1,337	2,572	1,660	3,015
Norway	1,681	2,476	1,770	815
Chile	600	1,379	924	1,921
Switzerland	1,914	1,372	980	1,775
Argentina	695	1,170	1,057	2,299
Israel	320	305	230	310
All others	1,723	469	231	5,258
Total	225,953	218,232	164,929	173,585
Grand total	564,481	536,896	406,166	400,708

See footnote(s) at end of table.

Table 15.--Carbon and certain alloy 1/ steel wire: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	2,109	2,329	1,813	1,378
Austria	2,375	3,613	2,767	2,025
Brazil	4,651	4,944	3,476	5,367
Czechoslovakia	0	0	0	0
East Germany	49	24	24	0
EC countries	118,582	129,054	95,196	107,126
Finland	553	170	141	153
Hungary	15	17	0	0
Japan	73,147	64,973	50,238	45,494
Mexico	1,302	1,681	1,412	850
Peoples Rep of China	1,671	2,868	2,275	2,944
Poland	33	3	3	19
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	4,524	85	85	0
Korea, Republic of	6,450	4,882	3,204	2,979
Spain	29	33	33	37
Trinidad and Tobago	315	448	220	354
Venezuela	3,099	3,802	2,607	2,861
Yugoslavia	0	24	24	9
Total	218,904	218,950	163,518	171,596
Other countries:				
Canada	106,212	101,960	76,589	83,964
Sweden	10,463	10,304	7,438	7,444
Taiwan	1,786	1,964	1,344	2,335
Bahamas	872	925	791	0
India	540	883	551	1,119
Norway	973	1,427	975	748
Chile	244	532	349	842
Switzerland	1,044	898	680	1,037
Argentina	324	499	447	1,136
Israel	159	238	154	159
All others	748	231	130	1,414
Total	123,365	119,861	89,448	100,198
Grand total	342,269	338,811	252,966	271,794

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

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

Table 16.--Carbon and certain alloy 1/ steel wire products: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	53	291	288	2
Austria	2,954	1,113	901	366
Brazil	14,021	10,382	7,388	11,192
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	53,443	34,544	29,095	17,598
Finland	1	0	0	1
Hungary	0	0	0	0
Japan	50,437	50,318	41,315	18,225
Mexico	12,755	14,577	11,275	10,526
Peoples Rep of China	22,111	36,253	29,134	28,627
Poland	16,778	19,213	14,984	12,962
Portugal	416	683	446	315
Romania	3,210	6,859	6,859	143
Republic of South Africa	13,931	4,340	1,395	1,550
Korea, Republic of	196,032	186,794	139,687	144,775
Spain	30,620	18,997	16,084	10,157
Trinidad and Tobago	0	0	0	94
Venezuela	680	2,683	2,175	1,144
Yugoslavia	7,027	7,882	6,019	5,193
Total	424,469	394,929	307,045	262,870
Other countries:				
Canada	122,483	106,028	86,474	78,710
Taiwan	38,141	37,689	30,657	10,380
Turkey	21,037	37,393	29,813	19,096
Thailand	5,525	20,516	14,110	5,525
Argentina	6,988	12,069	9,652	12,816
Indonesia	0	11,116	6,366	12,221
Chile	4,984	10,919	7,838	6,480
United Arab Emirates	360	7,787	5,354	14,453
Israel	5,180	2,817	2,453	1,549
Tunisia	24	1,079	1,079	41
All others	7,399	7,037	4,533	9,657
Total	212,121	254,450	198,329	170,928
Grand total	636,590	649,379	505,374	433,798

See footnote(s) at end of table.

Table 16.--Carbon and certain alloy 1/ steel wire products: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	53	249	228	17
Austria	3,600	1,973	1,522	784
Brazil	5,133	4,592	3,285	5,224
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	38,480	27,128	22,678	18,903
Finland	4	0	0	95
Hungary	0	0	0	0
Japan	41,249	46,874	37,782	22,058
Mexico	6,585	7,758	5,936	6,612
Peoples Rep of China	10,661	17,786	14,643	11,174
Poland	5,735	7,056	5,465	4,383
Portugal	414	820	528	432
Romania	986	2,424	2,424	44
Republic of South Africa	7,140	2,199	694	792
Korea, Republic of	125,730	128,818	96,412	100,894
Spain	14,164	11,866	9,728	5,908
Trinidad and Tobago	0	0	0	27
Venezuela	292	498	363	335
Yugoslavia	2,403	2,845	2,207	2,192
Total	262,629	262,886	203,895	179,874
Other countries:				
Canada	77,974	73,873	60,054	55,816
Taiwan	21,780	24,306	19,251	9,078
Turkey	7,252	12,966	10,350	6,997
Thailand	2,527	10,027	6,688	3,562
Argentina	2,522	5,105	3,972	5,540
Indonesia	0	4,341	2,503	4,407
Chile	1,810	4,662	3,220	3,057
United Arab Emirates	122	2,582	1,737	5,391
Israel	2,702	1,900	1,598	1,600
Tunisia	16	611	611	23
All others	5,220	4,831	3,259	5,658
Total	121,925	145,204	113,243	101,129
Grand total	384,554	408,090	317,138	281,003

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

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

Table 17.--Carbon and certain alloy 1/ steel structural shapes and units: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	389	55	44	135
Austria	616	377	302	1,439
Brazil	7,269	11,926	7,283	15,738
Czechoslovakia	0	0	0	0
East Germany	4	0	0	0
EC countries	755,615	645,485	479,714	526,600
Finland	985	341	164	118
Hungary	0	0	0	0
Japan	469,071	629,977	472,787	504,165
Mexico	18,361	17,953	11,958	18,379
Peoples Rep of China	44	8	8	208
Poland	16,532	18,559	13,115	14,041
Portugal	35	122	122	0
Romania	0	0	0	0
Republic of South Africa	85,839	933	794	143
Korea, Republic of	90,661	135,070	105,238	141,885
Spain	176,833	177,434	145,907	138,390
Trinidad and Tobago	0	0	0	0
Venezuela	34	0	0	0
Yugoslavia	0	0	0	135
Total	1,622,288	1,638,240	1,237,436	1,361,376
Other countries:				
Canada	454,749	398,180	300,554	266,281
Norway	42,747	61,316	43,374	51,404
Argentina	4,162	17,757	14,574	24,459
Taiwan	30,683	17,179	13,212	7,400
New Zealand	8,069	9,076	6,283	5,416
Singapore	12,081	6,702	6,170	2,872
Sweden	2,170	2,170	2,083	1,610
Israel	2,300	1,379	1,284	188
Mauritius	0	906	906	0
India	62	258	165	357
All others	344	506	248	3,158
Total	557,367	515,429	388,853	363,145
Grand total	2,179,655	2,153,669	1,626,289	1,724,521

See footnote(s) at end of table.

Table 17.--Carbon and certain alloy 1/ steel structural shapes and units: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	240	54	44	116
Austria	1,402	1,455	1,013	1,428
Brazil	2,580	4,099	2,817	6,335
Czechoslovakia	0	0	0	0
East Germany	3	0	0	0
EC countries	249,427	222,416	160,674	213,475
Finland	1,189	336	239	248
Hungary	0	0	0	0
Japan	155,723	189,574	139,289	190,563
Mexico	7,998	7,074	4,757	8,642
Peoples Rep of China	21	71	71	154
Poland	3,631	3,990	2,849	3,559
Portugal	87	78	78	0
Romania	0	0	0	0
Republic of South Africa	23,349	573	492	694
Korea, Republic of	40,984	59,530	47,001	72,031
Spain	52,245	48,816	39,247	50,344
Trinidad and Tobago	0	0	0	0
Venezuela	22	0	0	0
Yugoslavia	0	0	0	183
Total	538,901	538,066	398,571	547,772
Other countries:				
Canada	251,967	220,522	166,225	155,420
Norway	10,392	15,052	10,481	15,866
Argentina	1,239	4,186	3,371	6,618
Taiwan	18,634	9,331	7,422	4,248
New Zealand	8,770	9,040	5,913	6,697
Singapore	6,910	4,293	3,953	2,694
Sweden	4,563	7,243	6,638	4,464
Israel	3,353	5,483	5,238	307
Mauritius	0	260	260	0
India	60	203	129	299
All others	672	1,238	613	2,868
Total	306,560	276,851	210,243	199,481
Grand total	845,461	814,917	608,814	747,253

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 18.--Carbon and certain alloy 1/ steel rails and related products: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	269	30	30	2
Austria	133	5	2	239
Brazil	1,874	2,440	1,978	3,110
Czechoslovakia	0	0	0	0
East Germany	0	0	0	1
EC countries	84,441	42,340	33,873	42,350
Finland	1	1	2/	3
Hungary	0	0	0	0
Japan	93,700	84,891	64,441	51,101
Mexico	116	46	46	25
Peoples Rep of China	683	45	45	25
Poland	0	0	0	0
Portugal	3	0	0	395
Romania	0	0	0	0
Republic of South Africa	388	879	879	2/
Korea, Republic of	8,101	5,803	4,596	5,897
Spain	10	0	0	0
Trinidad and Tobago	0	0	0	0
Venezuela	0	344	344	0
Yugoslavia	2/	0	0	0
Total	189,719	136,824	106,234	103,148
Other countries:				
Canada	84,924	101,439	59,968	117,718
Sweden	579	7,424	3,591	3,046
Taiwan	365	168	153	95
Mauritius	0	66	66	0
Israel	98	33	27	0
New Zealand	0	25	25	0
Argentina	0	6	6	6
Switzerland	2/	3	3	0
Bahamas	1	0	0	0
Chile	11	0	0	0
All others	13	0	0	12
Total	85,991	109,164	63,839	120,877
Grand total	275,710	245,988	170,073	224,025

See footnote(s) at end of table.

Table 18.--Carbon and certain alloy 1/ steel rails and related products: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	286	15	15	7
Austria	746	37	34	77
Brazil	1,125	2,016	1,631	2,577
Czechoslovakia	0	0	0	0
East Germany	0	0	0	5
EC countries	33,288	17,563	13,554	19,502
Finland	2	5	2	14
Hungary	0	0	0	0
Japan	37,655	34,066	25,549	24,034
Mexico	36	14	14	30
Peoples Rep of China	1,070	32	32	9
Poland	0	0	0	0
Portugal	9	0	0	257
Romania	0	0	0	0
Republic of South Africa	222	563	563	1
Korea, Republic of	2,836	1,863	1,612	2,124
Spain	34	0	0	0
Trinidad and Tobago	0	0	0	0
Venezuela	0	70	70	0
Yugoslavia	1	0	0	0
Total	77,310	56,244	43,076	48,637
Other countries:				
Canada	11,244	20,479	10,769	34,999
Sweden	211	2,553	1,324	905
Taiwan	570	302	271	198
Mauritius	0	27	27	0
Israel	237	76	50	0
New Zealand	0	134	134	0
Argentina	0	24	24	17
Switzerland	11	46	37	0
Bahamas	1	0	0	0
All others	29	0	0	48
Total	12,303	23,641	12,636	36,167
Grand total	89,613	79,885	55,712	84,804

1/ Certain alloy refers to alloy steel other than stainless or tool steel.
2/ Less than 0.5 short ton.

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

Table 19.--Carbon and certain alloy 1/ steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	13,068	11,869	9,400	11,028
Austria	10,774	19,766	13,340	21,551
Brazil	158,996	75,669	52,486	63,878
Czechoslovakia	3,348	6,660	4,124	6,023
East Germany	1,414	5,909	4,076	6,500
EC countries	544,306	383,341	312,618	371,849
Finland	2,402	5,968	4,544	7,787
Hungary	0	0	0	585
Japan	669,349	542,452	368,244	625,767
Mexico	120,678	137,761	108,308	98,104
Peoples Rep of China	796	2,056	1,111	7,801
Poland	5,472	7,267	6,332	6,945
Portugal	652	410	410	0
Romania	18,674	22,488	22,488	23,475
Republic of South Africa	44,941	40	40	0
Korea, Republic of	473,648	331,525	253,067	357,661
Spain	40,643	32,753	26,726	21,072
Trinidad and Tobago	6	0	0	0
Venezuela	35,237	38,840	27,073	16,387
Yugoslavia	6,048	7,183	6,039	3,732
Total	2,150,452	1,631,957	1,220,426	1,650,145
Other countries:				
Canada	383,430	514,456	389,046	345,994
Turkey	23,701	140,786	126,007	26,218
Argentina	37,948	100,108	63,343	122,593
Thailand	61,497	93,717	60,697	126,422
Taiwan	146,515	79,176	57,881	68,940
Singapore	30,015	37,408	24,553	37,881
Sweden	23,201	30,146	23,329	20,607
Saudi Arabia	4,705	18,036	13,782	10,475
Algeria	1,303	15,592	7,624	14,445
Switzerland	9,049	14,091	11,445	11,900
All others	51,213	73,171	53,188	101,315
Total	772,577	1,116,687	830,895	886,790
Grand total	2,923,029	2,748,644	2,051,321	2,536,935

See footnote(s) at end of table.

Table 19.--Carbon and certain alloy 1/ steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	4,090	4,265	3,147	4,405
Austria	6,637	11,963	7,177	18,581
Brazil	60,073	32,186	22,834	29,896
Czechoslovakia	1,126	2,057	1,226	2,825
East Germany	548	1,862	1,329	2,376
EC countries	267,898	197,587	153,571	253,228
Finland	767	1,915	1,417	3,287
Hungary	0	0	0	266
Japan	361,854	295,849	191,932	464,388
Mexico	43,283	57,935	45,031	53,805
Peoples Rep of China	208	895	512	2,690
Poland	1,571	2,219	1,912	2,552
Portugal	279	157	157	0
Romania	5,758	7,377	7,377	9,311
Republic of South Africa	13,291	15	15	0
Korea, Republic of	178,206	137,101	102,576	169,080
Spain	17,717	16,510	12,913	17,233
Trinidad and Tobago	5	0	0	0
Venezuela	11,700	13,066	8,967	6,137
Yugoslavia	1,982	2,462	2,079	2,036
Total	976,993	785,421	564,172	1,042,096
Other countries:				
Canada	179,832	254,194	189,223	211,737
Turkey	6,504	43,271	37,655	11,547
Argentina	14,160	38,060	23,355	61,484
Thailand	19,224	32,613	20,665	49,336
Taiwan	46,185	28,607	20,348	30,380
Singapore	10,066	13,763	9,185	15,302
Sweden	14,268	21,798	16,357	17,981
Saudi Arabia	1,947	7,847	5,928	5,496
Algeria	261	3,756	1,967	3,507
Switzerland	5,550	6,502	5,271	5,323
All others	19,775	26,747	18,962	44,108
Total	317,772	477,158	348,916	456,201
Grand total	1,294,765	1,262,579	913,088	1,498,297

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

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

Table 20. Total, carbon and certain 1/ alloy steel products: U.S. imports for consumption, by principal sources, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	192,227	155,092	120,292	215,465
Austria	129,400	116,298	89,278	91,775
Brazil	1,122,924	1,135,516	751,200	1,088,452
Czechoslovakia	32,249	29,792	27,256	31,558
East Germany	60,687	95,910	76,803	67,137
EC countries	5,912,068	5,228,372	3,923,378	4,212,010
Finland	191,555	166,202	127,164	140,327
Hungary	20,572	27,064	22,701	21,531
Japan	4,442,667	4,311,383	3,212,248	3,233,735
Mexico	423,275	471,462	336,642	373,760
Peoples Rep of China	41,912	51,081	40,389	46,538
Poland	60,314	91,561	63,076	80,746
Portugal	27,654	31,087	25,158	17,547
Romania	87,616	82,408	75,320	95,380
Republic of South Africa	515,860	30,015	26,932	1,693
Korea, Republic of	1,625,917	1,419,183	1,095,027	1,184,721
Spain	615,423	500,796	431,601	369,760
Trinidad and Tobago	77,219	62,575	52,129	25,735
Venezuela	141,503	170,571	127,105	135,119
Yugoslavia	24,944	15,394	12,387	10,484
Total	15,745,986	14,191,762	10,636,086	11,443,473
Other countries:				
Canada	3,348,415	3,763,701	2,852,830	2,654,322
Sweden	506,346	566,885	429,814	452,157
Turkey	150,268	407,413	328,498	275,639
Argentina	177,545	346,313	235,322	490,960
Taiwan	492,205	257,931	189,163	193,061
Indonesia	37,903	235,573	147,958	202,681
Norway	96,764	154,194	92,904	134,463
Singapore	115,295	144,538	101,905	112,155
Thailand	67,022	120,179	80,707	133,122
Malaysia	22,547	91,854	70,517	25,424
All others	191,265	318,562	201,336	433,726
Total	5,205,575	6,407,143	4,730,954	5,107,710
Grand total	20,951,561	20,598,905	15,367,040	16,551,183

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, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	72,855	70,279	53,538	86,222
Austria	51,925	49,477	36,339	49,448
Brazil	293,404	318,756	213,693	325,979
Czechoslovakia	6,934	7,156	6,326	9,825
East Germany	15,298	25,328	20,094	21,223
EC countries	2,130,160	2,044,943	1,523,254	1,826,579
Finland	53,455	51,574	38,337	56,187
Hungary	4,666	6,191	5,199	5,845
Japan	2,054,647	2,045,689	1,504,891	1,786,726
Mexico	138,098	172,255	125,362	169,007
Peoples Rep of China	16,712	23,479	18,972	18,133
Poland	16,756	26,671	18,044	26,335
Portugal	11,477	15,163	12,176	8,863
Romania	23,574	25,093	22,828	33,325
Republic of South Africa	144,637	7,322	5,736	1,487
Korea, Republic of	628,894	608,066	462,545	557,979
Spain	199,512	167,216	140,667	152,400
Trinidad and Tobago	18,733	15,482	12,883	6,772
Venezuela	44,596	48,835	36,027	43,535
Yugoslavia	7,267	5,404	4,383	4,881
Total	5,933,600	5,734,379	4,261,294	5,190,751
Other countries:				
Canada	1,360,503	1,591,881	1,203,239	1,246,570
Sweden	169,088	207,367	153,784	182,343
Turkey	41,114	123,568	97,771	79,969
Argentina	55,192	122,372	80,978	191,787
Taiwan	161,213	104,597	76,833	84,329
Indonesia	9,587	56,949	35,153	56,389
Norway	28,599	39,717	25,433	38,551
Singapore	33,669	42,953	31,393	36,868
Thailand	21,750	43,817	28,514	53,514
Malaysia	5,586	23,733	18,300	10,103
All others	83,317	122,163	84,901	157,747
Total	1,969,618	2,479,117	1,836,299	2,138,170
Grand total	7,903,218	8,213,496	6,097,593	7,328,921

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 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	0	0	0	0
Austria	18	0	0	34
Brazil	159	13,361	12,611	1,683
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	1,120	6,340	4,287	2,707
Finland	35	0	0	0
Hungary	0	0	0	0
Japan	2,741	3,605	2,875	1,739
Mexico	0	0	0	0
Peoples Rep of China	0	0	0	0
Poland	0	0	0	74
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	0	0	0	0
Spain	543	368	103	3,556
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	4,616	23,674	19,876	9,793
Other countries:				
Canada	6,808	25,200	18,611	25,831
Sweden	6,199	7,849	5,101	12,408
Total	13,007	33,049	23,712	38,239
Grand total	17,623	56,723	43,588	48,032

Table 21.--Stainless semifinished steel: U.S. imports for consumption, by specified sources 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	0	0	0	0
Austria	41	0	0	103
Brazil	220	3,904	3,689	542
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	1,635	4,418	2,815	4,719
Finland	50	0	0	0
Hungary	0	0	0	0
Japan	2,978	3,581	2,751	2,419
Mexico	0	0	0	0
Peoples Rep of China	0	0	0	0
Poland	0	0	0	102
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	0	0	0	0
Spain	343	1,566	515	4,562
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	5,267	13,469	9,770	12,447
Other countries:				
Canada	6,301	25,133	18,308	39,372
Sweden	6,913	7,692	4,614	19,042
Total	13,214	32,825	22,922	58,414
Grand total	18,481	46,294	32,692	70,861

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, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	0	0	0	0
Austria	127	96	79	183
Brazil	6	36	0	0
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	12,505	5,278	3,768	5,259
Finland	968	2,369	2,026	2,321
Hungary	0	0	0	0
Japan	860	1,558	1,125	1,748
Mexico	0	2	0	0
Peoples Rep of China	0	0	0	0
Poland	0	0	0	0
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	199	0	0	0
Korea, Republic of	0	0	0	0
Spain	0	0	0	0
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	14,665	9,339	6,998	9,511
Other countries:				
Sweden	1,724	1,744	1,353	1,172
Canada	26	34	34	294
Total	1,750	1,778	1,387	1,466
Grand total	16,415	11,117	8,385	10,977

Table 22.--Stainless steel plate: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	0	0	0	0
Austria	326	366	316	752
Brazil	12	56	0	0
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	17,371	9,256	6,807	10,803
Finland	1,317	3,590	3,003	4,845
Hungary	0	0	0	0
Japan	1,379	2,339	1,653	3,202
Mexico	0	2	0	0
Peoples Rep of China	0	0	0	0
Poland	0	0	0	0
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	216	0	0	0
Korea, Republic of	0	0	0	0
Spain	0	0	0	0
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	20,621	15,609	11,779	19,602
Other countries:				
Sweden	4,124	3,986	3,030	3,234
Canada	46	33	33	653
Total	4,170	4,019	3,063	3,887
Grand total	24,791	19,628	14,842	23,489

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, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	0	0	0	0
Austria	57	52	44	22
Brazil	472	550	449	313
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	67,087	41,504	30,779	32,994
Finland	9,272	6,296	4,942	4,926
Hungary	0	0	0	0
Japan	22,110	25,733	19,713	16,227
Mexico	11,240	18,819	14,136	7,136
Peoples Rep of China	0	21	21	0
Poland	0	0	0	0
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	2,475	0	0	0
Korea, Republic of	10,065	9,450	7,305	6,214
Spain	11,887	13,700	11,242	9,232
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	134,665	116,125	88,631	77,064
Other countries:				
Sweden	8,227	7,493	5,339	7,029
Canada	4,115	4,892	3,825	2,953
Taiwan	4,173	345	243	0
India	184	341	341	90
Hong Kong	0	41	41	0
Norway	0	37	37	0
Jordan	20	19	19	0
Antigua	0	1	1	0
Honduras	0	0	0	19
Panama	48	0	0	0
All others	139	0	0	2
Total	16,906	13,169	9,846	10,093
Grand total	151,571	129,294	98,477	87,157

Table 23.--Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	0	0	0	0
Austria	194	202	171	109
Brazil	577	675	526	480
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	89,179	65,434	47,916	60,176
Finland	13,588	9,834	7,569	10,128
Hungary	0	0	0	0
Japan	35,055	43,684	33,136	34,005
Mexico	15,853	30,157	22,903	12,367
Peoples Rep of China	0	29	29	0
Poland	0	0	0	0
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	2,814	0	0	0
Korea, Republic of	13,218	14,459	11,068	13,069
Spain	16,002	20,342	16,609	19,310
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	186,480	184,816	139,927	149,644
Other countries:				
Sweden	17,505	17,785	12,601	19,340
Canada	5,426	8,019	6,037	7,094
Taiwan	5,474	464	347	0
India	246	492	492	172
Hong Kong	0	59	59	0
Norway	0	16	16	0
Jordan	37	37	37	0
Antigua	0	11	11	0
Honduras	0	0	0	35
Panama	62	0	0	0
All others	204	0	0	26
Total	28,954	26,883	19,600	26,667
Grand total	215,434	211,699	159,527	176,311

Source: Compiled from official statistics of the U.S. Department of Commerce.[39]

Table 24.--Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	0	0	0	0
Austria	2	94	16	167
Brazil	2,636	1,450	926	2,729
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	6,481	5,899	4,500	6,769
Finland	36	0	0	0
Hungary	0	0	0	0
Japan	19,297	19,259	14,668	12,059
Mexico	22	0	0	49
Peoples Rep of China	0	4	0	2
Poland	0	0	0	0
Portugal	0	0	0	0
Romania	0	0	0	18
Republic of South Africa	0	0	0	0
Korea, Republic of	1,643	2,582	1,438	1,048
Spain	3,221	3,826	2,690	3,265
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	33,338	33,114	24,238	26,106
Other countries:				
Sweden	3,359	3,200	2,255	2,893
Canada	1,056	1,269	969	1,071
India	0	126	59	205
Argentina	130	111	89	0
Switzerland	0	66	64	1/
Taiwan	4	59	40	36
Bulgaria	0	46	0	0
Jordan	2	0	0	0
Total	4,551	4,877	3,476	4,205
Grand total	37,889	37,991	27,714	30,311

See footnote(s) at end of table.

Table 24.--Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	0	0	0	0
Austria	5	257	64	379
Brazil	4,841	2,503	1,651	4,637
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	13,529	11,437	8,884	14,805
Finland	46	0	0	0
Hungary	0	0	0	0
Japan	37,714	36,707	27,716	26,386
Mexico	27	0	0	163
Peoples Rep of China	0	75	0	40
Poland	0	0	0	0
Portugal	0	0	0	0
Romania	0	0	0	30
Republic of South Africa	0	0	0	0
Korea, Republic of	2,920	4,294	2,430	1,958
Spain	5,750	6,889	4,838	7,299
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	64,832	62,162	45,583	55,697
Other countries:				
Sweden	6,726	6,180	4,331	6,483
Canada	2,447	2,136	1,593	2,379
India	0	199	90	384
Argentina	246	201	161	0
Switzerland	0	129	120	1
Taiwan	5	108	77	113
Bulgaria	0	70	0	0
Jordan	7	0	0	0
Total	9,431	9,023	6,372	9,360
Grand total	74,263	71,185	51,955	65,057

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, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	0	0	0	0
Austria	0	0	0	0
Brazil	1,348	874	732	964
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	4,639	5,482	3,795	4,451
Finland	0	0	0	0
Hungary	0	0	0	0
Japan	6,101	5,544	4,112	4,062
Mexico	0	0	0	0
Peoples Rep of China	0	0	0	0
Poland	0	0	0	0
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	863	868	668	367
Spain	1,682	1,542	1,173	1,465
Trinidad and Tobago	0	0	0	138
Venezuela	0	0	0	0
Yugoslavia	0	0	0	17
Total	14,633	14,310	10,480	11,464
Other countries:				
Sweden	3,864	3,955	2,996	2,356
Taiwan	0	47	5	148
Canada	0	0	0	1/
Total	3,864	4,002	3,001	2,504
Grand total	18,497	18,312	13,481	13,968

See footnote(s) at end of table.

Table 25.--Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	0	0	0	0
Austria	0	0	0	0
Brazil	1,619	1,224	1,016	1,543
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	8,410	11,089	7,792	11,075
Finland	0	0	0	0
Hungary	0	0	0	0
Japan	9,707	8,927	6,637	7,696
Mexico	0	0	0	0
Peoples Rep of China	0	0	0	0
Poland	0	0	0	0
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	1,112	1,150	872	539
Spain	2,669	2,539	1,889	3,669
Trinidad and Tobago	0	0	0	202
Venezuela	0	0	0	0
Yugoslavia	0	0	0	22
Total	23,517	24,929	18,206	24,746
Other countries:				
Sweden	6,619	6,995	5,201	5,170
Taiwan	0	72	11	328
Canada	0	0	0	2
Total	6,619	7,067	5,212	5,500
Grand total	30,136	31,996	23,418	30,246

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, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	1	1/	1/	1/
Austria	15	37	27	10
Brazil	156	188	188	156
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	6,257	6,763	4,747	5,042
Finland	0	0	0	0
Hungary	0	0	0	0
Japan	3,621	4,254	3,239	3,111
Mexico	0	0	0	1
Peoples Rep of China	6	0	0	0
Poland	0	71	71	0
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	1,033	884	681	649
Spain	265	621	511	231
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	11,354	12,818	9,464	9,200
Other countries:				
Sweden	2,459	2,555	1,870	1,884
Canada	2,483	2,043	1,530	1,802
Taiwan	1,191	1,462	1,197	820
India	0	77	39	100
Israel	0	65	65	0
Switzerland	42	47	47	208
New Zealand	0	15	15	0
Singapore	12	0	0	0
Total	6,187	6,264	4,763	4,814
Grand total	17,541	19,082	14,227	14,014

See footnote(s) at end of table.

Table 26.--Stainless steel wire: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	91	64	49	33
Austria	50	172	110	48
Brazil	213	282	282	304
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	17,799	17,601	12,435	15,020
Finland	0	0	0	0
Hungary	0	0	0	0
Japan	11,367	13,957	10,517	12,085
Mexico	0	0	0	6
Peoples Rep of China	13	0	0	0
Poland	0	16	16	0
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	2,563	2,240	1,697	1,826
Spain	489	1,280	1,066	570
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	32,585	35,612	26,172	29,892
Other countries:				
Sweden	10,073	10,548	7,753	8,592
Canada	6,594	6,960	5,126	7,232
Taiwan	2,927	3,797	3,095	2,370
India	0	159	79	194
Israel	0	85	85	0
Switzerland	128	170	170	936
New Zealand	0	49	49	0
All others	25	0	0	0
Total	19,747	21,768	16,357	19,324
Grand total	52,332	57,380	42,529	49,216

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, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	0	0	0	23
Austria	490	395	243	577
Brazil	6	0	0	0
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	4,830	4,430	3,089	5,189
Finland	6	0	0	1/
Hungary	0	0	0	0
Japan	11,167	7,208	5,010	6,525
Mexico	372	781	759	686
Peoples Rep of China	1/	0	0	0
Poland	0	0	0	0
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	773	517	303	317
Spain	75	88	62	190
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	17,719	13,419	9,466	13,507
Other countries:				
Canada	4,471	5,432	3,763	5,725
Sweden	7,673	4,016	2,835	4,001
Taiwan	3,358	3,571	2,098	5,109
Algeria	0	6	6	0
Switzerland	10	2	2	1
Israel	1/	1/	1/	4
Norway	38	1/	1/	0
Malaysia	0	1/	1/	0
India	1	0	0	2
Thailand	0	0	0	89
All others	4	0	0	1/
Total	15,555	13,027	8,704	14,931
Grand total	33,274	26,446	18,170	28,438

See footnote(s) at end of table.

Table 27.--Stainless steel pipe and tube: U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	0	0	0	135
Austria	1,588	1,637	967	2,984
Brazil	24	0	0	0
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	14,808	14,405	9,986	19,089
Finland	16	0	0	1
Hungary	0	0	0	0
Japan	33,103	22,587	15,958	23,277
Mexico	864	1,654	1,609	1,978
Peoples Rep of China	1	0	0	0
Poland	0	0	0	0
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	2,006	1,412	853	1,004
Spain	212	282	207	718
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	52,622	41,977	29,580	49,186
Other countries:				
Canada	12,987	17,196	11,965	18,620
Sweden	21,657	12,414	8,705	16,022
Taiwan	7,470	9,190	5,657	14,477
Algeria	0	21	21	0
Switzerland	348	168	92	136
Israel	46	49	40	69
Norway	86	2	2	0
Malaysia	0	2	2	0
All others	24	0	0	215
Total	42,618	39,042	26,484	49,539
Grand total	95,240	81,019	56,064	98,725

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, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	14	19	19	0
Austria	3,070	2,693	2,184	1,773
Brazil	1,699	997	852	1,570
Czechoslovakia	0	0	0	21
East Germany	25	0	0	0
EC countries	15,072	10,302	7,104	10,165
Finland	0	22	0	5
Hungary	0	0	0	0
Japan	6,429	6,077	5,113	3,283
Mexico	376	139	89	346
Peoples Rep of China	0	1	1	49
Poland	294	304	189	150
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	1,285	1,388	1,162	665
Spain	51	47	47	30
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	10	0	0	0
Total	28,325	21,989	16,760	18,057
Other countries:				
Sweden	10,079	11,669	8,582	9,520
Canada	6,172	6,868	5,543	6,912
Argentina	134	70	46	42
Malaysia	0	2	2	0
Taiwan	22	1/	1/	0
Switzerland	15	1/	1/	0
New Zealand	1	0	0	0
Total	16,423	18,609	14,173	16,474
Grand total	44,748	40,598	30,933	34,531

See footnote(s) at end of table.

Table 28.--Alloy tool steel (all forms): U.S. imports for consumption, by specified sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	50	31	31	0
Austria	6,567	5,895	4,828	4,566
Brazil	3,129	1,349	1,127	2,911
Czechoslovakia	0	0	0	33
East Germany	8	0	0	0
EC countries	24,272	18,504	13,071	17,914
Finland	0	37	0	15
Hungary	0	0	0	0
Japan	12,443	12,370	9,720	11,337
Mexico	735	142	85	434
Peoples Rep of China	0	4	4	85
Poland	384	454	280	256
Portugal	0	0	0	0
Romania	0	0	0	0
Republic of South Africa	0	0	0	0
Korea, Republic of	1,810	2,097	1,747	1,103
Spain	78	54	54	40
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	12	0	0	0
Total	49,488	40,937	30,947	38,694
Other countries:				
Sweden	24,303	28,049	20,576	23,242
Canada	8,906	9,342	7,555	9,603
Argentina	203	122	85	65
Malaysia	0	1	1	0
Taiwan	51	1	1	0
Switzerland	11	2	2	0
New Zealand	2	0	0	0
Total	33,476	37,517	28,220	32,910
Grand total	82,964	78,454	59,167	71,604

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, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January--September 1987	January--September 1988
	Quantity (short tons)			
VRA countries:				
Australia	15	20	20	24
Austria	3,777	3,368	2,593	2,766
Brazil	6,482	17,456	15,757	7,415
Czechoslovakia	0	0	0	21
East Germany	25	0	0	0
EC countries	117,991	85,998	62,069	72,576
Finland	10,318	8,687	6,968	7,253
Hungary	0	0	0	0
Japan	72,328	73,238	55,856	48,754
Mexico	12,011	19,741	14,984	8,218
Peoples Rep of China	6	26	22	51
Poland	294	375	261	224
Portugal	0	0	0	0
Romania	0	0	0	18
Republic of South Africa	2,674	0	0	0
Korea, Republic of	15,661	15,689	11,556	9,259
Spain	17,725	20,193	15,828	17,970
Trinidad and Tobago	0	0	0	138
Venezuela	0	0	0	0
Yugoslavia	10	0	0	17
Total	259,317	244,791	185,914	174,704
Other countries:				
Canada	25,130	45,739	34,276	44,587
Sweden	43,584	42,482	30,331	41,262
Taiwan	8,747	5,484	3,584	6,113
India	185	544	438	397
Argentina	263	181	136	42
Switzerland	129	116	113	209
Israel	1/	65	65	4
Bulgaria	0	46	0	0
Hong Kong	0	41	41	0
Norway	38	37	37	0
All others	164	44	44	111
Total	78,369	94,779	69,065	92,725
Grand total	337,686	339,570	254,979	267,429

See footnote(s) at end of table.

Table 29.--Total, stainless and alloy tool steel products: U.S. imports for consumption, by principal sources, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January--September 1987	January--September 1988
	Value (thousand dollars)			
VRA countries:				
Australia	142	95	80	168
Austria	8,771	8,529	6,455	8,942
Brazil	10,635	9,993	8,291	10,418
Czechoslovakia	0	0	0	33
East Germany	8	0	0	0
EC countries	187,004	152,144	109,705	153,601
Finland	15,018	13,461	10,572	14,989
Hungary	0	0	0	0
Japan	143,744	144,150	108,088	120,406
Mexico	17,480	31,955	24,597	14,948
Peoples Rep of China	14	108	33	125
Poland	384	470	296	358
Portugal	0	0	0	0
Romania	0	0	0	30
Republic of South Africa	3,030	0	0	0
Korea, Republic of	23,628	25,652	18,667	19,499
Spain	25,543	32,952	25,177	36,169
Trinidad and Tobago	0	0	0	202
Venezuela	0	0	0	0
Yugoslavia	12	0	0	22
Total	435,413	419,509	311,961	379,910
Other countries:				
Canada	42,707	68,819	50,618	84,954
Sweden	97,920	93,649	66,813	101,125
Taiwan	15,927	13,631	9,188	17,287
India	260	851	661	757
Argentina	449	323	246	65
Switzerland	581	469	384	1,073
Israel	46	134	125	69
Bulgaria	0	70	0	0
Hong Kong	0	59	59	0
Norway	86	18	18	0
All others	254	122	122	268
Total	158,230	178,145	128,234	205,598
Grand total	593,643	597,654	440,195	585,508

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, 1986, 1987, and by specified periods, 1987 and 1988

(Per short ton)

Item	1986	1987	January-September 1987	January-September 1988
Carbon and certain alloy 1/ steel:				
Semifinished 2/	191	211	211	235
Plate	294	332	329	398
Sheet and strip:				
Hot rolled	279	308	303	356
Cold rolled	408	449	448	502
Galvanized	465	503	500	549
Tin plate	527	533	534	558
Tin free	493	509	509	536
Other coated	500	528	521	589
Average, sheet and strip	399	433	431	477
Bar:				
Hot finished	354	369	367	400
Cold finished	512	831	927	585
Reinforcing	226	248	246	251
Light shapes	297	315	309	368
Average, bar	329	400	410	387
Wire rod	318	313	315	337
Wire	606	631	623	678
Wire products	604	628	628	648
Structural shapes and units:				
Heavy structurals	296	304	297	374
Fabricated structurals	906	898	909	929
Average, structurals	388	378	374	433
Rails and related products	325	325	328	379
Pipe and tube:				
Oil country tubular goods	517	536	509	725
Line pipe	417	421	419	521
Mechanical pipe	630	623	632	657
Structural pipe	343	368	357	494
Pressure tubing	654	689	712	741
Other (incl. standard)	403	415	408	480
Average, pipe and tube	443	459	445	591
Average, carbon and certain alloy 1/ steel	377	399	397	443

See footnotes at end of table.

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Table 30.--Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, 1986, 1987, and by specified periods, 1987 and 1988

(Per short ton)

Item	1986	1987	January-September 1987	January-September 1988
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	1,049	816	750	1,475
Plate	1,510	1,766	1,770	2,140
Sheet and strip:				
Sheet	1,361	1,566	1,551	1,943
Strip	2,198	2,555	2,498	3,117
Average, sheet and strip	1,421	1,637	1,620	2,023
Bars and shapes	1,960	1,874	1,875	2,146
Wire rod	1,629	1,747	1,737	2,165
Wire	2,984	3,007	2,989	3,512
Pipe and tube	2,862	3,063	3,086	3,472
Alloy tool steel (all forms)	1,854	1,932	1,913	2,074
Average, stainless and alloy steel	1,759	1,760	1,726	2,189

1/ Including alloy steel other than stainless or tool steel.
2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

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

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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, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January-September 1987	January-September 1988
	Quantity (short tons)			
Carbon and certain alloy 1/ steel:				
Semifinished 2/				
Ingots	152,445	103,967	66,195	101,471
Blooms and billets	418,113	426,208	313,527	473,967
Slabs and sheet bars	1,496,142	1,702,095	1,278,224	1,679,127
Total	2,066,700	2,232,270	1,657,947	2,254,565
Plate:				
Carbon	1,363,633	1,450,898	1,030,105	1,357,580
Alloy	76,742	104,678	76,372	84,924
Total	1,440,375	1,555,577	1,106,477	1,442,504
Sheet and strip:				
Hot rolled:				
Sheet	2,090,107	2,123,804	1,600,477	1,602,230
Strip	43,557	43,197	33,240	34,706
Cold rolled:				
Black plate	205,937	159,779	124,537	105,305
Electrical	81,703	64,822	46,784	47,361
Other sheet	2,556,385	2,156,348	1,564,112	1,478,875
Other strip	148,279	135,227	104,575	98,110
Galvanized	2,321,108	2,306,233	1,751,175	1,534,019
Tin plate	359,658	332,306	266,395	217,674
Tin free	110,569	101,172	80,522	66,766
Other coated	209,730	323,709	248,859	183,633
Total	8,127,033	7,746,596	5,820,676	5,368,678
Bar:				
Hot rolled:				
Carbon	420,515	443,037	331,148	354,247
Alloy	155,218	160,811	119,270	146,501
Cold rolled:				
Carbon	160,083	152,283	113,811	123,314
Alloy	44,226	40,927	32,776	36,946
Reinforcing	454,735	351,632	283,180	262,619
Light structural shapes	158,953	132,477	104,253	101,971
Total	1,393,731	1,281,168	984,438	1,025,598

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, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January-September 1987	January-September 1988
	Quantity (short tons)			
Wire rod and related products:				
Wire rod:				
Carbon	1,236,274	1,341,257	959,622	1,052,530
Alloy	107,982	107,463	78,657	87,324
Wire:				
Carbon	528,187	504,898	382,073	376,350
Alloy	36,294	31,999	24,095	24,355
Wire products:				
Nails	393,673	440,746	342,816	284,117
Barbed wire	22,157	16,643	12,251	12,873
Wire fencing	12,063	13,263	10,661	9,393
Bale ties	696	1,719	1,506	1,252
Wire strand	121,596	98,898	77,174	63,048
Wire rope	73,994	65,683	51,023	53,698
Milliners wire	12,412	12,426	9,942	9,417
Total	2,545,328	2,634,993	1,949,819	1,974,358
Structurals:				
Heavy	1,852,377	1,884,684	1,420,481	1,539,779
Fabricated	327,280	268,985	205,809	184,742
Total	2,179,657	2,153,669	1,626,290	1,724,521
Rails and related products:				
Rails	244,737	213,530	148,505	178,697
Joint bars and tie plates	21,025	13,969	13,790	7,928
Track spikes	323	370	299	201
Wheels and axles	9,626	18,120	7,478	37,198
Total	275,710	245,988	170,073	224,024
Pipes and tubes:				
Oil country tubular goods	651,840	594,463	401,302	800,851
Line pipe	782,764	526,047	435,818	401,689
Mechanical pipe	239,170	284,807	193,843	306,928
Structural pipe	479,768	428,758	353,377	218,252
Pressure tubing	25,086	27,122	18,059	39,475
Other (including standard)	744,400	887,446	648,922	769,739
Total	2,923,029	2,748,644	2,051,321	2,536,935

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, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January-September 1987	January-September 1988
	Quantity (short tons)			
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots	404	1,106	758	3,815
Blooms and billets	11,822	48,955	39,348	31,767
Slabs and sheet bars	5,397	6,664	3,481	12,450
Total	17,622	56,725	43,588	48,033
Plate	16,415	11,118	8,384	10,978
Sheet and strip:				
Sheet:				
Hot rolled	4,275	5,179	3,737	5,058
Cold rolled	136,440	114,806	87,609	76,172
Strip	10,856	9,309	7,130	5,927
Total	151,571	129,295	98,476	87,157
Bars and shapes	37,888	37,991	27,715	30,311
Wire rod	18,496	18,311	13,482	13,968
Wire	17,541	19,084	14,228	14,015
Pipe and tube	33,274	26,448	18,170	28,438
Alloy tool steel (all forms):				
Semifinished 2/	8,032	6,880	5,873	3,580
Bars	21,496	19,792	14,870	22,985
Other	15,221	13,927	10,191	7,965
Total	44,749	40,599	30,934	34,529

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, 1986, 1987, and by specified periods, 1987 and 1988

Item	1986	1987	January-September 1987	January-September 1988
	Share of product group totals (percent)			
Carbon and certain alloy 1/ steel:				
Semifinished 2/				
Ingots	7.38	4.66	3.99	4.50
Blooms and billets	20.23	19.09	18.91	21.02
Slabs and sheet bars	72.39	76.25	77.10	74.48
Total	100.00	100.00	100.00	100.00
Plate:				
Carbon	94.67	93.27	93.10	94.11
Alloy	5.33	6.73	6.90	5.89
Total	100.00	100.00	100.00	100.00
Sheet and strip:				
Hot rolled:				
Sheet	25.72	27.42	27.50	29.84
Strip	0.54	0.56	0.57	0.65
Cold rolled:				
Black plate	2.53	2.06	2.14	1.96
Electrical	1.01	0.84	0.80	0.88
Other sheet	31.46	27.84	26.87	27.55
Other strip	1.82	1.75	1.80	1.83
Galvanized	28.56	29.77	30.09	28.57
Tin plate	4.43	4.29	4.58	4.05
Tin free	1.36	1.31	1.38	1.24
Other coated	2.58	4.18	4.28	3.42
Total	100.00	100.00	100.00	100.00
Bar:				
Hot rolled:				
Carbon	30.17	34.58	33.64	34.54
Alloy	11.14	12.55	12.12	14.28
Cold rolled:				
Carbon	11.49	11.89	11.56	12.02
Alloy	3.17	3.19	3.33	3.60
Reinforcing	32.63	27.45	28.77	25.61
Light structural shapes	11.40	10.34	10.59	9.94
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, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January-September 1987	January-September 1988
	Share of product group totals (percent)			
WIRE ROD AND RELATED PRODUCTS:				
WIRE ROD:				
Carbon	48.57	50.90	49.22	53.31
Alloy	4.24	4.08	4.03	4.42
Wire:				
Carbon	20.75	19.16	19.60	19.06
Alloy	1.43	1.21	1.24	1.23
Wire products:				
Nails	15.47	16.73	17.58	14.39
Barbed wire	0.87	0.63	0.63	0.65
Wire fencing	0.47	0.50	0.55	0.48
Bale ties	0.03	0.07	0.08	0.06
Wire strand	4.78	3.75	3.96	3.19
Wire rope	2.91	2.49	2.62	2.72
Milliners wire	0.49	0.47	0.51	0.48
Total	100.00	100.00	100.00	100.00
Structurals:				
Heavy	84.98	87.51	87.34	89.29
Fabricated	15.02	12.49	12.66	10.71
Total	100.00	100.00	100.00	100.00
Rails and related products:				
Rails	88.77	86.80	87.32	79.77
Joint bars and tie plates	7.63	5.68	8.11	3.54
Track spikes	0.12	0.15	0.18	0.09
Wheels and axles	3.49	7.37	4.40	16.60
Total	100.00	100.00	100.00	100.00
Pipes and tubes:				
Oil country tubular goods	22.30	21.63	19.56	31.57
Line pipe	26.78	19.14	21.25	15.83
Mechanical pipe	8.18	10.36	9.45	12.10
Structural pipe	16.41	15.60	17.23	8.60
Pressure tubing	0.86	0.99	0.88	1.56
Other (including standard)	25.47	32.29	31.63	30.34
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, 1986, 1987, and by specified periods, 1987 and 1988--Continued

Item	1986	1987	January-September 1987	January-September 1988
	Share of product group totals (percent)			
STAINLESS AND ALLOY TOOL STEEL:				
STAINLESS:				
SEMIFINISHED:				
Ingots	2.29	1.95	1.74	7.94
Blooms and billets	67.09	86.30	90.27	66.14
Slabs and sheet bars	30.62	11.75	7.99	25.92
Total	100.00	100.00	100.00	100.00
Plate	100.00	100.00	100.00	100.00
Sheet and strip:				
Sheet:				
Hot rolled	2.82	4.01	3.79	5.80
Cold rolled	90.02	88.79	88.96	87.40
Strip	7.16	7.20	7.24	6.80
Total	100.00	100.00	100.00	100.00
Bars and shapes	100.00	100.00	100.00	100.00
Wire rod	100.00	100.00	100.00	100.00
Wire	100.00	100.00	100.00	100.00
Pipe and tube	100.00	100.00	100.00	100.00
Alloy tool steel (all forms):				
Semifinished 2/	17.95	16.95	18.98	10.37
Bars	48.04	48.75	48.07	66.57
Other	34.01	34.30	32.94	23.07
Total	100.00	100.00	100.00	100.00

1/ Certain alloy refers to alloy steel other than stainless or tool steel.
2/ Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.

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, 1986, 1987, and by specified periods, 1987 and 1988

(Short tons)

Item	1986	1987	January-September	
			1987	1988
Atlantic Coast	4,915,642	4,673,187	3,627,421	3,775,945
Great Lakes-Canadian border	6,484,922	6,594,724	4,737,278	4,515,490
Gulf Coast-Mexican border	5,144,258	4,930,247	3,708,398	4,852,498
Off-shore	470,616	374,262	269,211	295,462
Pacific Coast	4,273,681	4,366,056	3,279,711	3,379,217
Total	21,289,119	20,938,475	15,622,018	16,818,613

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

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Table 33.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Atlantic Coast customs area, 1986, 1987, and by specified periods, 1987 and 1988

(Short tons)

Item	1986	1987	January-September 1987	January-September 1988
Carbon and certain alloy 1/ steel:				
Semifinished 2/	420,146	384,562	333,382	407,328
Plate	265,696	258,880	181,157	268,309
Sheet and strip	2,114,016	1,900,352	1,468,902	1,411,174
Bars and certain shapes	265,102	222,055	182,024	171,484
Wire rod	269,425	310,731	240,957	233,141
Wire	138,407	119,558	90,759	83,496
Wire products	235,748	266,335	204,417	167,096
Structural shapes and units	541,402	581,450	440,001	483,943
Rails and related products	18,320	25,273	23,279	30,043
Pipe and tube	483,899	462,405	357,899	402,464
Total	4,752,161	4,531,600	3,522,778	3,658,477
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	8,592	15,595	9,906	18,256
Plate	9,221	4,167	2,758	4,021
Sheet and strip	62,730	42,918	33,752	32,948
Bars and certain shapes	20,307	19,945	14,698	17,569
Wire rod	14,402	13,117	9,691	9,830
Wire	9,570	10,357	7,693	7,003
Pipe and tube	12,306	10,147	6,846	10,018
Tool steel (all forms)	26,352	25,340	19,301	17,823
Total	163,481	141,586	104,643	117,468
Grand Total	4,915,642	4,673,187	3,627,421	3,775,945

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.

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Table 34.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Great Lakes-Canadian border customs area, 1986, 1987, and by specified periods, 1987 and 1988

(Short tons)

Item	1986	1987	January-September 1987	January-September 1988
Carbon and certain alloy 1/ steel:				
Semifinished 2/	614,958	498,851	377,339	281,964
Plate	532,453	663,496	464,314	527,523
Sheet and strip	2,671,422	2,630,195	1,848,271	1,626,524
Bars and certain shapes	563,444	561,285	417,307	463,033
Wire rod	518,651	565,070	394,841	396,541
Wire	264,474	251,126	190,160	194,426
Wire products	103,566	95,457	77,425	65,696
Structural shapes and units	635,262	566,003	409,036	376,615
Rails and related products	87,985	107,729	64,392	123,995
Pipe and tube	420,125	564,259	427,185	378,408
Total	6,412,340	6,503,470	4,670,270	4,434,725
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	7,263	27,149	20,453	27,260
Plate	990	1,971	1,669	1,831
Sheet and strip	36,402	34,156	24,615	23,925
Bars and certain shapes	3,930	4,170	2,725	2,723
Wire rod	770	1,047	771	489
Wire	4,592	4,794	3,564	4,323
Pipe and tube	5,639	6,134	4,212	6,404
Tool steel (all forms)	12,997	11,832	8,999	13,810
Total	72,583	91,254	67,008	80,765
Grand Total	6,484,922	6,594,724	4,737,278	4,515,490

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.

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Table 35.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Gulf Coast-Mexican border customs area, 1986, 1987, and by specified periods, 1987 and 1988

(Short tons)

Item	1986	1987	January-September 1987	January-September 1988
Carbon and certain alloy 1/ steel:				
Semifinished 2/	581,228	866,421	654,212	983,364
Plate	419,732	419,658	303,471	463,862
Sheet and strip	1,667,147	1,515,043	1,171,956	1,232,046
Bars and certain shapes	137,209	131,573	102,871	103,582
Wire rod	266,067	257,709	179,403	288,708
Wire	68,713	76,094	58,092	50,913
Wire products	126,549	107,410	85,883	80,805
Structural shapes and units	450,697	473,758	362,327	398,465
Rails and related products	92,952	61,358	35,937	40,781
Pipe and tube	1,285,600	959,115	703,727	1,177,023
Total	5,095,895	4,868,139	3,657,879	4,819,551
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	1,345	13,974	13,222	2,464
Plate	4,246	2,714	2,257	2,546
Sheet and strip	23,265	29,042	22,479	13,216
Bars and certain shapes	5,852	5,951	4,460	4,507
Wire rod	722	1,117	770	942
Wire	851	1,350	1,246	447
Pipe and tube	9,652	6,665	4,990	8,123
Tool steel (all forms)	2,430	1,295	1,096	702
Total	48,363	62,108	50,519	32,947
Grand Total	5,144,258	4,930,247	3,708,398	4,852,498

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.

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Table 36.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Off-shore customs area, 1986, 1987, and by specified periods, 1987 and 1988

(Short tons)

Item	1986	1987	January-September 1987	January-September 1988
Carbon and certain alloy 1/ steel:				
Semifinished 2/	1,048	0	0	0
Plate	8,335	6,693	5,028	8,745
Sheet and strip	94,531	90,238	70,911	47,228
Bars and certain shapes	200,705	164,360	115,289	130,447
Wire rod	8,279	11,940	8,592	16,347
Wire	13,575	11,147	8,175	11,287
Wire products	8,551	7,285	5,504	7,652
Structural shapes and units	27,365	22,499	16,286	17,234
Rails and related products	641	445	445	11
Pipe and tube	105,346	58,545	38,319	55,377
Total	468,378	373,151	268,548	294,327
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	0	0	0	0
Plate	0	0	0	1
Sheet and strip	22	1	1	0
Bars and certain shapes	0	0	0	15
Wire rod	0	0	0	0
Wire	1,368	1,074	626	1,078
Pipe and tube	847	36	35	42
Tool steel (all forms)	0	0	0	0
Total	2,238	1,111	662	1,136
Grand Total	470,616	374,262	269,211	295,462

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.

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Table 37.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Pacific Coast customs area, 1986, 1987, and by specified periods, 1987 and 1988

(Short tons)

Item	1986	1987	January-September 1987	January-September 1988
Carbon and certain alloy 1/ steel:				
Semifinished 2/	449,319	482,436	293,014	581,908
Plate	214,158	206,851	152,507	174,065
Sheet and strip	1,579,917	1,610,768	1,260,637	1,051,707
Bars and certain shapes	227,271	201,894	166,948	157,052
Wire rod	281,835	303,270	214,486	205,118
Wire	79,311	78,972	58,982	60,584
Wire products	162,177	172,890	132,143	112,548
Structural shapes and units	524,930	509,959	398,640	448,264
Rails and related products	75,812	51,183	46,019	29,195
Pipe and tube	628,059	704,321	524,191	523,663
Total	4,222,789	4,322,545	3,247,566	3,344,104
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	422	7	7	52
Plate	1,958	2,266	1,701	2,579
Sheet and strip	29,151	23,178	17,629	17,069
Bars and certain shapes	7,799	7,925	5,832	5,497
Wire rod	2,603	3,030	2,250	2,707
Wire	1,160	1,508	1,100	1,163
Pipe and tube	4,829	3,465	2,087	3,850
Tool steel (all forms)	2,969	2,132	1,538	2,195
Total	50,891	43,511	32,145	35,112
Grand Total	4,273,681	4,366,056	3,279,711	3,379,217

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.

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Appendix A

Definition of Certain Terms, and Description of the Products Subject to the Investigation

DEFINITIONS

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

2. Carbon steel.--Steel in which none of the elements listed below 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
0.60 percent of copper, or
0.30 percent of aluminum, or
0.20 percent of chromium, or
0.30 percent of cobalt, or
0.35 percent of lead, or
0.50 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 less than 1 percent of carbon and over 11.5 percent of chromium;

(ii) Tool steel.--Alloy steel which contains the following combinations of elements in the quantity, by weight, respectively indicated:

(A) not less than 1.0 percent carbon and over 11.0 percent chromium, or

(B) not less than 0.85 percent carbon and 1.0 percent to 1.8 percent inclusive manganese; or

(C) 0.9 percent to 1.2 percent inclusive chromium and 0.9 percent to 1.4 percent inclusive molybdenum; or

(D) not less than 0.5 percent carbon and not less than 3.5 percent molybdenum; or

(E) not less than 0.5 percent carbon and not less than 5.5 percent tungsten; or

(F) not less than 0.3 percent carbon and 1.25 percent to 11.0 percent inclusive chromium.

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

Alloy steel--Continued

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.

9. Semifinished products include:

(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.

(ii) Blooms and billets.--Semifinished products generally of rectangular or circular cross section, having a length several times greater than the maximum cross-sectional dimension, and, if rectangular, a width less than 4 times the thickness. A bloom is at least 36 square inches but not less than 3 square inches in cross-sectional area. Blooms and billets are included in AISI product group No. 1B.

(iii) Slabs and sheet bars.--Semifinished products of rectangular cross section, having a width of at least 4 time the thickness. A slab is not less than 2 inches in thickness; a sheet bar is less than 2 inches in thickness. Slabs and sheet bars are included in AISI product group No. 1B.

For the purpose of this legislation, semifinished products are classified as follows:

(A) Carbon and certain alloy ingots; provided for in items 606.6740, 606.6947, 606.6963 of the Tariff Schedules of the United States Annotated (TSUSA).

(B) Carbon and certain alloy blooms and billets; provided for in items 606.6700, 606.6705, 606.6710, 606.6715, 606.6720, 606.6926, 606.6929, 606.6932, 606.6935, 606.6940, 606.6949, 606.6951, 606.6953, and 606.6955 of the TSUSA.

(C) Carbon and certain alloy slabs and sheet bars; provided for in items 606.6725, 606.6730, 606.6735, 606.6938, 606.6941, 606.6944, 606.6957, 606.6959, 606.6961, 607.6620, and 607.7803 of the TSUSA.

(D) Stainless steel ingots; provided for in item 606.6923 of the TSUSA.

(E) Stainless steel blooms and billets; provided for in items 606.6903, 606.6905, 606.6906, 606.6909, and 606.6912 of the TSUSA.

(F) Stainless steel slabs and sheet bars; provided for in items 606.6915, 606.6918, 606.6921, and 607.7603 of the TSUSA.

10. Plates.--Flat rolled products whether or not corrugated or crimped, in coils or cut to length. Plates are 0.1875 inch or more in thickness and, if not cold rolled, over 8 inches in width, or if cold rolled, over 12 inches in width. Plates are included in AISI product group No. 6. For the purposes of this investigation, plates are classified as follows:

(i) Carbon plate; provided for in items 607.6610, 607.6615, 607.6625, 607.8320, 607.9400, 608.0710, 608.1100, and 609.1400 of the TSUSA.

(ii) Alloy plate; provided for in items 607.7800, 607.7806, 607.9100, 608.1420, and 609.1500 of the TSUSA.

(iii) Stainless steel plate; provided for in items 607.7605, 607.7606, 607.7609, and 607.9005 of the TSUSA.

11. Sheets and strip.--Flat rolled products whether or not corrugated or crimped, in coils or cut to length. Sheet is under 0.1875 inch in thickness and over 12 inches in width. Strip is under 0.1875 inch in thickness and, if cold rolled, over 0.50 inch but not over 12 inches in width. Sheets and strip are included in AISI product group Nos. 28, 29, 29A, 30, 31, 32, 33A, 33B, 34, 34B, 35, 36, and 37. For the purposes of this investigation, sheets and strip are classified as follows:

(i) Hot-rolled carbon and alloy sheet; provided for in items 607.6700, 607.6710, 607.6720, 607.6730, 607.6740, 607.6900, 607.8100, and 607.8342 of the TSUSA.

(ii) Hot-rolled carbon and alloy strip; provided for in items 608.1920, 608.2120, and 608.2320 of the TSUSA.

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

(A) Black plate; provided for in items 607.6200 and 607.6400 of the TSUSA.

(B) Electrical sheet and strip; provided for in items 607.9205, 607.9210, and 608.3900 of the TSUSA.

(C) Other sheet; provided for in items 607.8344, 607.8350, 607.8355, 607.8362, 607.8366, 607.8375, 607.8378, 607.8380, 607.8385, 607.8390, 607.8600, 607.9315 and 607.9320 of the TSUSA.

(D) Other strip; provided for in items 608.1930, 608.1945, 608.2130, 608.2140, 608.2160, 608.2170, 608.2330, 608.2345, 608.2500, 608.3100, 608.3810, 608.3820, 608.4700, 608.5510, 608.5520, 608.5900, 608.6710 and 608.6720 of the TSUSA.

(iv) Galvanized sheet and strip; provided for in items 608.0730, 608.1300, 608.1305, 608.1315, and 608.1321, 608.1325, 608.1331, and 608.1335 of the TSUSA.

(v) Tin plate; provided for in items 607.9600, 607.9700, and 607.9900 of the TSUSA.

(vi) Tin free; provided for in item 609.1710 of the TSUSA.

(vii) Other coated; provided for in items 608.0100, 608.1340, 608.1350, 608.1440, 609.1700, and 609.1790 of the TSUSA.

(viii) Stainless steel hot-rolled sheet; provided for in items 607.7610 and 607.9010 of the TSUSA.
y (ix) Stainless steel cold-rolled sheet; provided for in items 607.9020, and 607.9029 of the TSUSA.

(x) Stainless steel strip; provided for in items 608.2600, 608.2900, 608.4300, 608.4309, and 608.5700 of the TSUSA.

12. Bars.--Products of solid cross section not conforming completely to the respective specifications set forth in the TSUS for blooms, billets, slabs, sheet bars, wire rods, plates, sheets, strip, wire, rails, joint bars, or tie plates, and which have cross sections in the shape of circles, segments of circles, ovals, triangles, rectangles, hexagons, or octagons. Also, for the purposes of this investigation, the term "bars" includes hollow drill steel, which is a hollow product in any cross section suitable for use in making mining drills or mining drill rods, with the largest internal cross-sectional dimension not greater than one-third of the largest external cross-sectional dimension.

Shapes.--Nontubular products not conforming completely to the respective specifications set forth in the TSUS for blooms, billets, slabs, sheet bars, bars, wire rods, plates, sheets, strip, wire, rails, joint bars, or tie plates, hot-rolled, forged, extruded, or drawn, or cold formed or cold finished, whether or not drilled, punched, or otherwise advanced, and if cold formed weighing over 0.29 pound per linear foot.

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

(i) Hot-rolled carbon bars; provided for in items 606.8310, 606.8330, 606.8350, 606.8600, 607.0500, and 607.0700 of the TSUSA, and included in AISI product group No. 14.

(ii) Hot-rolled alloy bars; provided for in items 606.9105, 606.9700, and 607.0900 of the TSUSA, and included in AISI product group No. 14.

(iii) Cold-formed carbon bars; provided for in items 606.8805, 606.8809, and 606.8815 of the TSUSA, and included in AISI product group No. 16.

(iv) Cold-formed alloy bars; provided for in items 606.9110 and 606.9900 of the TSUSA, 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 606.7900 and 606.8100 of the TSUSA, 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 3 inches; provided for in items 609.8050, 609.8070, 609.8090, 609.8235, and 609.8240 of the TSUSA, and included in AISI product group No. 14A.

(vii) Stainless steel bars and shapes; provided for in items 606.9005, 606.9010, 606.9015, 606.9020, 609.8205, 609.8210, 609.8215, and 609.8220 of the TSUSA.

13. 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 0.20 inch nor over 0.74 inch 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 607.1400, 607.1710, 607.1720, 607.1730, 607.2200, and 607.2300 of the TSUSA.

(B) Alloy steel wire rod; provided for in items 607.3200, 607.4100, 607.4800, and 607.5900 of the TSUSA.

(C) Stainless steel wire rod; provided for in items 607.2600 and 607.4300 of the TSUSA.

(ii) Wire is classified as follows:

(A) Steel wire; a finished, drawn, nontubular product, of any cross-sectional configuration, in coils, and not over 0.703 inch in maximum cross-sectional dimension; the term includes a product of solid rectangular cross section, in coils, with a cold-rolled finish, and not over 0.25 inch thick and not over 0.50 inch wide.

(a) Carbon steel wire; provided for in items 609.2000, 609.2100, 609.2200, 609.2500, 609.2800, 609.3040, 609.4010, 609.4020, 609.4030, 609.4050, 609.4060, 609.4064, 609.4070, 609.4080, 609.4090, 609.4105, 609.4135, 609.4145, 609.4305, 609.4315, 609.4325, 609.4335, 609.7000, 609.7005, 609.7015, and 609.7200 of the TSUSA. Carbon steel wire is included in AISI product group 23.

(b) Alloy steel wire; provided for in items 609.3340, 609.3500, 609.3600, 609.3700, 609.4530, 609.4560, 609.7500, and 609.7600 of the TSUSA. Alloy steel wire is included in AISI product group 23.

(c) Stainless steel wire; provided for in items 609.3020, 609.3320, 609.4502, 609.4504, 609.4510, 609.4540, 609.4542, and 609.4544 of the TSUSA. Stainless steel wire is included in AISI product group No. 23.

(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 646.2500, 646.2610, 646.2620, 646.2630, 646.2640, 646.2650, 646.2660, 646.2670, 646.2680, and 646.2690 of the TSUSA. Nails and brads, spikes, staples, and tacks are included in AISI product group No. 24.

(B) Barbed wire is a wire, or strand of twisted wires, armed with barbs or sharp points; as provided for in items 642.0205 and 642.0210 of the TSUSA. Barbed wire is included in AISI product group No. 25(pt).

(C) Wire fencing is a galvanized product wholly of round wire measuring not over 0.20 inch and not under 0.075 inch in diameter, whether or not such wire is covered with plastics; as provided for in item 642.3510, 642.3530, 642.3560, and 642.3570 of the TSUSA. Wire fencing is included in AISI product group Nos. 23(pt) and 26.

(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 items 609.4120, 609.4125, 642.9000 and 642.9100 of the TSUSA and included in AISI product group No. 27 (pt).

(E) Wire strand is two or more wires which together constitute one of the parts which are twisted together to form rope, cord, or cordage, suitable for fencing purposes, not fitted with fittings, not made up into articles, not of brass plated wire, not covered with nonmetallic material, as provided for in items 642.1105, 642.1120, 642.1142, 642.1144, and 642.1146 of the TSUSA. Wire strand is included in AISI product group Nos. 23 and 25(pt).

(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 642.1200, 642.1610, 642.1615, 642.1620, and 642.1650 of the TSUSA. Wire ropes, cables, and cordage are included in AISI product group No. 23(pt).

(G) Milliners wire is wire covered with textile or other material not wholly of metal; as provided for in items 642.96 and 642.97 of the TSUSA. Milliners wire is included in AISI product group No. 23(pt.).

14. Structurals.--Nontubular products not conforming completely to the respective specifications set forth in the TSUSA for blooms, billets, slabs, sheet bars, bars, wire rods, plates, sheets, strip, wire, rails, joint bars, or tie plates, hot-rolled, forged, extruded, or drawn, or cold formed or cold finished, whether or not drilled, punched, or otherwise advanced, and if cold formed weighing over 0.29 pound per linear foot.

(i) Heavy structural shapes having a maximum cross-sectional dimension of 3 inches or more; as provided for in items 609.8005, 609.8010, 609.8015, 609.8020, 609.8025, 609.8035, 609.8041, 609.8045, 609.8200, 609.8225, 609.8230 of the TSUSA and included in AISI product group Nos. 4 and 5(pt.); and sheet piling; rolled straight web, deep-arch, arch-web, and Z-sections having continuous interlocking joints on each lengthwise edge; as provided for in items 609.9600, and 609.9800 of the TSUS. Sheet piling is included in AISI product group No. 5 (pt); and

(ii) Fabricated structural units, which include columns, pillars, posts, beams, girders, and similar structural units; as provided for in items 609.8400, 609.8600, 609.8800, 609.9000, 652.9400, 652.9600, and 653.000 of the TSUSA. These columns, pillars, etc., are included in AISI product group No. 38 and 39.

15. 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 610.2010 610.2020, 610.2025, 610.2030, and 610.2100 of the TSUSA. Rails are included in AISI product group Nos. 7 and 8.

(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 610.2500 and 610.2600 of the TSUSA. Joint bars and tie plates are included in AISI product group Nos. 9 and 10.

(iii) Railway track spikes, of one piece construction, used to secure tie plates or ties; as provided for in item 646.3020 of the TSUSA. Railway track spikes are included in AISI product group No. 11.

(iv) Railroad and railway (RR) axles and wheels, parts thereof, and axle bars; as provided for in items 690.2500 and 690.3000 of the TSUSA. These articles are included in AISI product group Nos. 12 and 13.

16. 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 610.3216, 610.3219, 610.3233, 610.3249, 610.3256, 610.3258, 610.3264, 610.3721, 610.3722, 610.3925, 610.3935, 610.4025, 610.4035, 610.4210, 610.4220, 610.4225, 610.4230, 610.4235, 610.4240, 610.4310, 610.4325, 610.4335, 610.4942, 610.4944, 610.4946, 610.4954, 610.4960, 610.4961, 610.4965, 610.4968, 610.4969, 610.5221, 610.5222, 610.5226, 610.5240, 610.5241, 610.5242, 610.5243, 610.5244, 610.5246, and 610.5247 of the TSUSA. Oil country tubular goods are included in AISI product group No. 19.

(ii) Line pipe; provided for in items 610.3208, 610.3209, 610.3211, 610.3212, 610.3213, 610.3251, 610.3711, 610.3712, 610.3713, 610.4931, 610.4933, 610.4936, 610.5211, 610.5214, and 610.5216 of the TSUSA. Line pipe is included in AISI product group No. 20.

(iii) Mechanical pipe; provided for in items 610.3221, 610.3227, 610.3252, 610.3728, 610.3732, 610.4500, 610.4600, 610.4925, 610.4928, 610.4948, 610.4957, 610.4800, 610.5160, 610.5229, 610.5234, and 610.5236 of the TSUSA. Mechanical pipe is included in AISI product group 21A.

(iv) Structural pipe; provided for in items 610.3242, 610.3945, 610.3955, 610.4045, 610.4055, 610.4245, 610.4255, 610.4345, 610.4355, 610.4955, 610.4966, and 610.4975 of the TSUSA. Structural pipe is included in AISI product category 22.

(v) Pressure tubing; provided for in items 610.3000, 610.3100, 610.3205, 610.3500, 610.3600, 610.3704, 610.4920, 610.5204, 610.5206, 610.5208, and 610.5209 of the TSUSA. Pressure tubing is included in AISI product category 21B.

(vi) Stainless steel pipes and tubes; provided for in items 610.3701, 610.3727, 610.3731, 601.3741, 610.3742, 610.5130, 610.5202, 610.5205, 610.5230, and 610.5231, of the TSUSA. Stainless steel pipes and tubes are included in AISI product categories 21C and D.

(vii) Other, including standard; provided for in items 610.3231, 610.3232, 610.3234, 610.3241, 610.3243, 610.3244, 610.3247, 610.3254, 610.3262, 610.3751, 610.4951, 610.4952, 610.4953, 610.4956, 610.4967, 610.4970, 610.4976, and 688.3000 of the TSUSA. Other, including standard pipe is included in AISI product category 18.

17. Alloy tool steel (all forms) provided for in items 606.6901, 606.6902, 606.6904, 607.7210, 606.9300, 606.9400, 606.9505, 606.9510, 606.9512, 606.9514, 606.9520, 606.9525, 606.9535, 606.9540, 606.9542, 606.9544, 606.9546, 606.9548, 607.2800, 607.3405, 607.3420, 607.4600, 607.5405, 607.5420, 607.7205, 607.7215, 607.7220, 607.7225, 607.8805, 607.8820, 608.3405, 608.3420, 608.4905, 608.4920, 608.6405, 608.6420, 609.4520, and 609.4550 of the TSUSA. Alloy tool steel is included in AISI product group No. 17. Consistent with previous Commission investigations and industry practice, tool steel of the type described in headnote 2(h)(vii) of schedule 6, part 2 of the TSUSA, which is commonly referred to as bearing steel, is included with "certain alloy" products.

Appendix B

Specialty Steel Relief Provisions

Item	Stat. Suf-fix	Articles	Units of Quantity	Rates of Duty 1		2
		10. Additional duties and quantitative limitations on stainless steel and alloy tool steel.--The provisions of this headnote apply to items 926.00 through 926.23, inclusive, of this subpart. The duties provided for in items 926.00 and 926.05 and the quantitative limitations set forth in items 926.10 through 926.23, inclusive, are in addition to the duties provided for the subject articles in schedule 6, part 2B, or in item 832.00, part 3A, schedule 8, where applicable. (a) Definitions.--For the purposes of this subpart-- (i) the term "restraint period" refers to a 3-month period provided for in the Quota Quantity column for items 926.10 through 926.23, inclusive; (ii) the terms "razor blade steel" and "chipper knife steel" are defined as provided in headnotes 2(h)(x) and 2(h)(viii), respectively, of part 2B, schedule 6; (iii) the term "band saw steel" refers to alloy tool steel which contains, in addition to iron, each of the following elements by weight in the amounts specified: (A) carbon: not less than 0.47 nor more than 0.53 percent; (B) manganese: not less than 0.60 nor more than 0.90 percent; (C) sulfur: none, or not more than 0.015 percent; (D) phosphorus: none, or not more than 0.025 percent; (E) silicon: not less than 0.10 nor more than 0.25 percent; (F) chromium: not less than 0.90 nor more than 1.10 percent; (G) nickel: not less than 0.50 nor more than 0.70 percent; (H) molybdenum: not less than 0.90 nor more than 1.10 percent; and (IJ) vanadium: not less than 0.08 percent nor more than 0.15 percent; (iv) the term "cladding grade 434 stainless steel sheet" refers to stainless steel sheet, not under 0.055 inch and not over 0.065 inch in thickness, not under 25.5 inches and not over 26.25 inches in width, containing by weight not more than 0.12 percent carbon; not less than 16 percent nor more than 18 percent chromium; and not less than 0.75 percent nor more than 1.25 percent molybdenum; certified by the importer of record or the ultimate consignee at the time of entry for use in the manufacture of stainless steel-clad-aluminum automobile trim; (v) the term "stainless steel of the type described in headnote 10(a)(v)" refers to the stainless steel grades described in either subparagraph (A) or (B) below which contain, in addition to iron, each of the following elements by weight in the amounts specified: (A) carbon: not more than 0.02 percent; silicon: not less than 0.2 percent nor more than 0.8 percent; manganese: not less than 0.2 percent nor more than 1.0 percent; chromium: not less than 19.5 percent nor more than 20.5 percent;				

Item	Stat. Suf-fix	Articles	Units of Quantity	Rates of Duty 1		2
		nickel: not less than 17.5 percent nor more than 18.5 percent; molybdenum: not less than 6.0 percent nor more than 6.5 percent; nitrogen: not less than 0.18 percent nor more than 0.22 percent; copper: not less than 0.5 percent nor more than 1.0 percent; sulfur: not more than 0.03 percent; phosphorus: not more than 0.04 percent; or (B) carbon: not less than 0.05 percent nor more than 0.10 percent; silicon: not less than 1.4 percent nor more than 2.0 percent; manganese: not less than 0.2 percent nor more than 0.8 percent; chromium: not less than 20.0 percent nor more than 22.0 percent; nickel: not less than 10.0 percent nor more than 12.0 percent; nitrogen: not less than 0.14 percent nor more than 0.20 percent; cerium: not less than 0.03 percent nor more than 0.08 percent; sulfur: not more than 0.03 percent; phosphorus: not more than 0.04 percent; (vi) the term "flapper valve steel" refers to stainless steel strip not over 0.05 inch in thickness, certified by the importer of record or the ultimate consignee at the time of entry for use in the manufacture of stainless steel flapper valves for compressors; (vii) the term "rotor steel for hysteresis motors" refers to tool steel strip not over 0.05 inch in thickness containing by weight not less than 0.5 percent carbon and not less than 5.5 percent tungsten, certified by the importer of record or the ultimate consignee at the time of entry for use in the manufacture of rotor rings or cups for hysteresis motors; (viii) the term "tool steel of the type described in headnote 10(a)(viii)" refers to the alloy tool steel grades described in any one of the subparagraphs (A) through (F) below which contain, in addition to iron, each of the following elements by weight in the amounts specified: (A) carbon: not less than 0.85 percent nor more than 1.05 percent; manganese: not less than 0.95 percent nor more than 1.75 percent; sulfur: less than 0.03 percent; phosphorus: less than 0.03 percent; silicon: not less than 0.45 percent nor more than 0.90 percent; chromium: not less than 0.90 percent nor more than 1.80 percent; nickel: less than 0.35 percent; copper: less than 0.35 percent; molybdenum: less than 0.10 percent; (B) carbon: not less than 0.95 percent nor more than 1.05 percent; manganese: not less than 0.95 percent nor more than 1.25 percent; sulfur: not more than 0.025 percent; phosphorus: not more than 0.025 percent; silicon: not less than 0.45 percent nor more than 0.75 percent; chromium: not less than 0.90 percent nor more than 1.20 percent; nickel: not more than 0.25 percent; copper: not more than 0.35 percent; molybdenum: not more than 0.08 percent;				

Item	Stat. Suf-fix	Articles	Units of Quantity	Rates of Duty 1		2
		(C) carbon: not less than 0.85 percent nor more than 1.00 percent; manganese: not less than 1.40 percent nor more than 1.70 percent; sulfur: not more than 0.025 percent; phosphorus: not more than 0.025 percent; silicon: not less than 0.50 percent nor more than 0.80 percent; chromium: not less than 1.40 percent nor more than 1.80 percent; nickel: not more than 0.25 percent; copper: not more than 0.35 percent; molybdenum: not more than 0.08 percent; (D) carbon: not less than 0.95 percent nor more than 1.10 percent; manganese: not less than 0.65 percent nor more than 0.90 percent; sulfur: not more than 0.025 percent; phosphorus: not more than 0.025 percent; silicon: not less than 0.20 percent nor more than 0.35 percent; chromium: not less than 1.10 percent nor more than 1.50 percent; nickel: not more than 0.25 percent; copper: not more than 0.35 percent; molybdenum: not less than 0.20 percent nor more than 0.30 percent; (E) carbon: not less than 0.95 percent nor more than 1.10 percent; manganese: not less than 1.05 percent nor more than 1.35 percent; sulfur: not more than 0.025 percent; phosphorus: not more than 0.025 percent; silicon: not less than 0.20 percent nor more than 0.35 percent; chromium: not less than 1.10 percent nor more than 1.50 percent; nickel: not more than 0.25 percent; copper: not more than 0.35 percent; molybdenum: not less than 0.45 percent nor more than 0.60 percent; or (F) carbon: not less than 0.92 percent nor more than 1.02 percent; manganese: not less than 0.25 percent nor more than 0.40 percent; sulfur: not more than 0.025 percent; phosphorus: not more than 0.025 percent; silicon: not less than 0.25 percent nor more than 0.40 percent; chromium: not less than 1.65 percent nor more than 1.95 percent; nickel: not more than 0.25 percent; copper: not more than 0.35 percent; molybdenum: not less than 0.18 percent nor more than 0.40 percent; aluminum: not more than 0.05 percent; certified by the importer of record or the ultimate consignee at the time of entry for use in the manufacture of ball or roller bearings. (b) Shortfall.--During the last 30-day period of a restraint period, if the United States Trade Representative (USTR) determines that any quota quantity under an item hereof is unlikely to be used during that restraint period, the USTR may, to the extent permitted by law, modify the quota quantity for that item during the remainder of that restraint period to reallocate the shortfall or any portion thereof to the quota quantity of any other item, such modifications to be effective on the date of their publication in the Federal Register.				

Item	Stat. Suf-fix	Articles	Units of Quantity	Rates of Duty 1		2
		(c) Carryover.--Whenever the quota quantity specified for any of the individually named countries for an item has not been entered during any restraint period, entry may be made during the subsequent restraint period of an amount up to 20 percent (10 percent in the case of shortfalls occurring in the restraint period April 20 through July 19 of any year) of the base limit for the restraint period in which the shortfall occurs, but not to exceed the difference between the quota quantity specified for such restraint period and the amount entered during that period; and such amount shall not be counted against the quota quantity therefor. (d) Exceeding restraint levels.--The restraint level for any quota quantity allocated to any of the individually named countries may be exceeded by not more than 10 percent during any restraint period, except that the restraint levels for the period April 20 through July 19 for 1984, 1985, or 1986 may be exceeded by not more than 3 percent, and shall not be exceeded for that period in 1987. If a quota quantity is exceeded during a restraint period, a downward adjustment of the corresponding quota quantity for the next restraint period in the absolute amount the preceding restraint level was exceeded shall be made. (e) Adjustments.--If any country-by-country allocations of quota quantities are made by the USTR, the USTR may make the necessary adjustments to the appropriate quota quantities. (f) United States International Trade Commission (USITC) surveys.--The USITC shall conduct mandatory surveys with respect to the products subject to import relief under each item involved as follows: (i) Quarterly.--Surveys by calendar quarter to obtain from domestic producers monthly data on production, shipments, prices, employment, and man-hours; and to obtain from importers data by calendar quarter on prices, orders, and inventories. The initial surveys shall cover the fourth quarter of 1982 and the first two quarters of 1983; subsequent surveys will cover individual quarters; the last such survey shall cover the quarter which ends not less than 60 days prior to the termination of the import restraints. The USITC shall publish the results of the initial surveys by October 1, 1983 and the results of later surveys within 45 days of the end of the surveyed quarter. Such surveys will be conducted monthly, upon written request of the USTR to the USITC, if the USTR determines that monthly reporting is necessary. (ii) Annually.--Annual surveys to obtain from domestic producers data by calendar quarter on profits, orders, and inventories, and annual data on capital expenditures, capacity, and research and development expenditures. The initial surveys shall cover the fourth quarter of 1982 and calendar year 1982, as appropriate, and calendar year 1983, and the results shall be published by March 31, 1984. The results of subsequent surveys shall be published by March 31 of each year thereafter so long as the import restraints in this subpart are in effect. With each annual survey, the USITC shall also report the production, capacity, and capacity utilization, to the extent the information can be obtained, for each country which is a major supplier of imports, and any projected changes in production, capacity, and capacity utilization for those countries.				

Item	Stat. Suf-fix	Articles	Units of Quantity	Rates of Duty		
				1	Special	2
		(g) Products Subject to Certain Export Restraint Agreements. (i) The duties provided for in items 926.00 and 926.05 shall not apply to products of Australia, Austria, Brazil, Czechoslovakia, the European Communities (Belgium, Denmark, Federal Republic of Germany, France, Greece, Ireland, Italy, Luxembourg, the Netherlands and the United Kingdom of Great Britain and Northern Ireland), German Democratic Republic, Finland, Hungary, Japan, Mexico, Poland, Portugal, the Republic of Korea, Romania, South Africa, Spain, Venezuela, Yugoslavia exported to the United States on or after March 1, 1986.				

ANNEX

Subpart A, part 2 of the Appendix to the Tariff Schedules fo the United States (19 U.S.C. 1202) is modified --

(a) by deleting headnote 10(f) and inserting in lieu thereof new headnote 10(f) to read as follows:

"(f) United States International Trade Commission (USITC) surveys.--The USITC shall conduct annual mandatory surveys with respect to the products subject to import relief under each item involved to obtain from domestic producers data by calendar quarter on profits, orders, and inventories, and annual data on production, shipments, employment, capital expenditures, capacity, and research and development expenditures. The initial survey shall cover calendar year 1987, and the results shall be published by March 31, 1988. The final survey shall cover calendar year 1988, and the results shall be published by March 31, 1989. With each annual survey, the USITC shall also report the production, capacity, and capacity utilization, to the extent the information can be obtained, for each country which is a major supplier of imports, and any projected changes in production, capacity, and capacity utilization for those countries."

(b) by deleting headnote 10(g) and inserting in lieu thereof new headnote 10(g) to read as follows:

"(g) Products Subject to Certain Export Restraint Agreements.

(i) The duties provided for in items 926.00 and 926.05 shall not apply to products of Australia, Austria, Brazil, Czechoslovakia, the European Communities, German Democractic Republic, Hungary, Japan, Mexico, People's Republic of China, Poland, the Republic of Korea, Romania, South Africa, Venezuela, or Yugoslavia, exported to the United States on or after March 1, 1986.

(ii) The quantitative limitations provided for in items 926.10 through 926.21 shall not apply to products of Austria, Brazil, or the following Member States of the European Communities: Belgium, Denmark, Federal Republic of Germany, France, Greece, Ireland, Italy, Luxembourg, the Netherlands and the United Kingdom of Great Britain and Northern Ireland)."

(c) by striking items 926.00 through 926.23, inclusive, and inserting in lieu thereof the following new items and superior headings thereto:

"Item	Articles	Rates of Duty 1 Effective with respect to articles entered during the period -- July 20, 1987 through July 19, 1988	July 20, 1988 through July 19, 1989	July 20, 1989 through September 30, 1989	2
926.00	Sheets and strip of stainless steel (except as provided for in headnote 10(g)(i) to this subpart, and except razor blade steel, cladding grade 434 stainless steel sheet, cold-rolled sheets of stainless steel, over 71 inches in width, stainless steel of the type described in headnote 10(a)(v), and flapper valve steel) provided for in items 607.76, 607.90, 608.29, 608.43, and 608.57, part 2B, schedule 6, all the foregoing whether or not entitled to duty-free treatment under item 832.00, part 3A, schedule 8.....	3% ad val.	2% ad val.	1% ad val.	No Change
926.05	Plates of stainless steel (except as provided in headnote 10(g)(i) to this subpart, and except stainless steel of the type described in headnote 10(a)(v)) provided for in items 607.76 and 607.90, part 2B, schedule 6, all the foregoing whether or not entitled to duty-free treatment under item 832.00, part 3A, schedule 8.....	3% ad val.	2% ad val.	1% ad val.	No Change

Item	Article	Quota Quantity (in short tons)
	Whenever the respective aggregate quantity of articles the product of a foreign country specified below for items 926.10 through 926.21, inclusive, has been entered in any restraint period (whether, for tariff purposes, in schedule 6 or in item 832.00 of schedule 8), no article in such item the product of such country may be entered during the remainder of such restraint period, except as provided in headnote 10:	
	Bars of stainless steel (except stainless steel of the type described in headnote 10(a)(v)), provided for in item 606.90, part 2B, schedule 6:	
926.10	If entered during the period from July 20, 1987, through October 19, 1987, inclusive:	
	Argentina	55
	Canada	268
	Japan	3,442
	Korea	454
	Mexico	40
	Spain	1,069
	Sweden	330
	Other, except as provided in headnote 10(g)(ii) to this subpart	80
926.11	If entered during the period from October 20, 1987, through July 19, 1988, inclusive, except as provided in headnote 10(g)(ii) to this subpart	17,717
926.12	If entered during the period from July 20, 1988, through July 19, 1989, inclusive, except as provided in headnote 10(g)(ii) to this subpart	24,159
926.13	If entered during the period from July 20, 1989, through September 30, 1989, inclusive, except as provided in headnote 10(g)(ii) to this subpart	4,977

Item	Article	Quota Quantity (in short tons)
	[Whenever...(con.):]	
	Wire rod of stainless steel (except stainless steel of the type described in headnote 10(a)(v)), provided for in items 607.26 and 607.43, part 2B, schedule 6:	
926.14	If entered during the period from July 20, 1987, through October 19, 1987, inclusive:	
	Japan	1,542
	Spain	452
	Sweden	964
	Taiwan	50
	Other, except as provided in headnote 10(g)(ii) to this subpart	299
926.15	If entered during the period from October 20, 1987, through July 19, 1988, inclusive, except as provided in headnote 10(g)(ii) to this subpart	10,213
926.16	If entered during the period from July 20, 1988, through July 19, 1989, inclusive, except as provided in headnote 10(g)(ii) to this subpart	13,926
926.17	If entered during the period from July 20, 1989, through September 30, 1989, inclusive, except as provided in headnote 10(g)(ii) to this subpart	2,869

Item	Article	Quota Quantity (in short tons)
	[Whenever...(con.):]	
	Bars, wire rods, plates, sheets, and strip, all the foregoing of alloy tool steel (except chipper knife steel, band saw steel, rotor steel for hysteresis motors, and tool steel of the type described in headnote 10(a)(viii)), provided for in items 606.95, 607.28, 607.34, 607.46, 607.54, 607.72, 607.88, 608.34, 608.49, and 608.64, and round wire of high speed tool steel, provided for in item 609.45, part 2B, schedule 6:	
926.18	If entered during the period from July 20, 1987, through October 19, 1987, inclusive:	
	Argentina	56
	Canada	386
	Japan	1,123
	Mexico	76
	Poland	69
	Spain	45
	Sweden	2,120
	Other, except as provided for in headnote 10(g)(ii) to this subpart	396
926.19	If entered during the period from October 20, 1987, through July 19, 1988, inclusive, except as provided in headnote 10(g)(ii) to this subpart	13,182
926.20	If entered during the period from July 20, 1988, through July 19, 1989, inclusive, except as provided in headnote 10(g)(ii) to this subpart	17,977
926.21	If entered during the period from July 20, 1989, through September 30, 1989, inclusive, except as provided in headnote 10(g)(ii) to this subpart	3,703