

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

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



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Specialty Steel: Industry Reacts to VRA Extension

Background

Imports of specialty steel products were limited principally by two types of restraints. On July 19, 1983, the President, by Presidential Proclamation 5074, imposed import relief in the form of formal quotas (some of which were reduced to country-specific orderly marketing agreements (OMAs)) on specialty steel long products and increased tariffs on stainless steel flat-rolled products for a period of four years under section 203 of the Trade Act of 1974; the relief was extended through September 30, 1989. The Voluntary Restraint Agreements (VRAs), negotiated by the United States government with most major foreign steel suppliers, also limit imports of certain specialty steel products.¹

VRA extension

On July 25, 1989, the President announced a program to negotiate a 2½-year extension of the steel VRAs, and to seek an international consensus to remove unfair trade practices. The negotiations are expected to cover all major product categories, including those specialty steel products subject to OMAs, for all the countries currently covered by VRAs. The Administration has noted, however, that the inclusion of these products in negotiations for the 30-month VRA extension does not guarantee that they will be included for every participating country.

Specialty steel industry representatives have appealed to the United States Trade Representative for comprehensive coverage of stainless steel products under the renegotiated agreements and reductions in the 1988 levels of import penetration for such products. Import penetration was as follows in 1988: stainless bar, 24.2 percent; stainless rod, 25.4 percent; and alloy tool steel, 42.5 percent. The industry believes that imports of these products should be limited by market-share percentages similar to the manner in which a majority of VRA products are covered.

Imports from non-VRA countries have captured an increasing share of the U.S. market during the past 5 years; the level could well increase in light of capacity expansion plans announced by major non-VRA supplying countries. Imports from non-VRA countries accounted for 3 percent of apparent consumption in 1984, rising to 6 percent in 1988 and 7 percent in January-July 1989. The growth in imports from non-VRA sources was primarily attributable to increases in imports from Canada, Sweden, and Taiwan, which are no longer restricted by any form of specialty steel import relief. In terms of capacity expansion, both Sweden and Taiwan have announced plans to expand their

¹ All the VRAs except Finland's agreement (which was one of the first VRAs negotiated) cover stainless steel flat-rolled products (sheets, strip, and plates). In addition, stainless steel bars and stainless steel wire rods are included in the VRAs for the EC and Brazil, and alloy tool steel is included in the VRAs for the EC, Brazil, and Austria. A more complete discussion of the specialty steel industry relief is presented in the preface of this report and in Monthly Reports on the Status of the Steel Industry, August 1987, USITC pub. 1998.

stainless capacity: Sweden's Fagersta Stainless is building a new stainless wire rod mill which is expected to be operational by early 1991; Taiwan's sole stainless steel producer, Tang Eng Iron Works Co., has announced plans to double its present capacity within 2 to 3 years.

Nancy Fulcher
252-1434

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Wire rope and strand-----	2153	2/89
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Monthly Summary
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Steel prices-----	2134	8/89
Special quality steel bars-----	2215	9/89
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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 (53 Federal Register 52897). 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

^{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. C 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

<u>Market share agreements:</u>	<u>Overall 1989 import share 1/ (% of U.S. apparent consumption)</u>
Australia	0.19
Austria	0.16
Brazil	1.09
EC	4.4
Finland	0.17
Japan	6.8
Mexico	0.31
South Africa 2/	0.0
South Korea	2.2
Spain	0.52

Quota level for 1989 in short tons and as a
share of apparent U.S. consumption
(estimated) 3/

<u>Quota agreements</u>	(Short tons)	(Percent)
Czechoslovakia	29,338	0.03
East Germany	82,500	0.09
Hungary	25,500	0.03
Poland	69,373	0.07
Portugal	20,000	0.02
Romania	76,426	0.08
Trinidad and Tobago	43,984	0.05
Venezuela	130,334	4/ 0.10
Yugoslavia	18,900	0.02
People's Republic of China	57,000	0.06

Semifinished steel agreements Quota level for 1989 (short tons)

Australia	37,500
Brazil	525,000
EC	502,500
Finland	11,250
Japan	75,000
Mexico	75,000
South Africa 2/	0
South Korea	37,500
Spain	37,500
Trinidad and Tobago	2,625
Venezuela	30,000

1/ Including semifinished steel for all countries. Estimates based on first 9 months of 1989.

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. Estimates based on first 9 months of 1989.

4/ Excluding semifinished steel.

5/ No more than 461,250 net tons may be slab.

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 stainless steel wire strand (HS item 7312.10.0500), stainless steel wire rope (HS item 7312.10.5000)., 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 1987 AISI reported imports of 20.4 million tons, which compares to the 20.9 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 sections 9802.0060 and 9802.0080 of the Harmonized Tariff Schedules; the 9802.0060 and 9802.0080 provisions apply to U.S. merchandise which is exported, processed, and reimported into the United States.

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

Item	1984	1985	1986	1987	1988	January-July
					1988	1988
Raw steel:						
Production (1,000 short tons).....	92,528	88,259	81,606	88,472	99,328	58,674
Capability utilization (percent).....	88.4	66.1	63.8	78.9	88.7	90.0
Continuously cast (percent).....	39.6	44.4	55.2	52.5	60.5	63.2
Employment:						
Total (thousands).....	236	208	175	163	169	170
Receiving wages (thousands).....	171	151	128	121	125	126
Hourly employment cost <u>1</u> / (dollars).....	21.30	22.81	23.5	23.70	24.65	24.72
Steel:						
Shipments (1,000 short tons).....	73,740	73,043	64,947	76,473	83,815	48,516
Imports (1,000 short tons).....	26,705	24,885	21,289	20,938	21,869	13,221
Exports (1,000 short tons).....	1,081	992	980	1,176	2,152	806
Apparent consumption (1,000 short tons).....	99,363	96,591	90,026	95,759	103,532	60,931
Ratio of imports to consumption (percent)...	26.9	25.8	23.6	21.3	21.1	21.7
Financial:						
All operations:						
Net sales (million dollars).....	53,619	53,651	41,912	3/ 32,314	4/	4/
Net income (million dollars).....	(301)	(1,210)	(6,094)	3/ 1,121	4/	4/
Ratio of net sales to income (percent)...	(0.6)	(2.3)	(14.5)	3/ 3.7	4/	4/
Steel operations:						
Net steel sales (million dollars).....	30,132	29,473	24,891	19,752	3/ 24,486	5/ 7,914
Net steel income (million dollars).....	(186)	(1,743)	(4,203)	988	3/ 2,476	5/ 712
Ratio of net sales to income (percent)...	(0.6)	(5.9)	(16.9)	5	3/ 10.1	5/ 9

1/ Preliminary.

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

3/ January-September.

4/ Not available.

5/ First quarter of the year.

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, 1984-1988, and by specified periods, 1988 and 1989
(Short tons)

Item	1984					1985					1986					1987					1988					January-July 1989									
All grades of steel:																																			
Semifinished	1,306,044					1,374,524					1,388,649					2,095,599					1,746,267					965,056					1,146,678				
Plate	4,338,993					4,327,347					3,531,806					4,065,183					7,361,445					4,217,508					4,351,030				
Sheet and strip	40,878,749					40,850,298					40,055,641					43,288,266					44,707,915					26,002,161					27,069,979				
Bars & certain shapes 1/	13,232,473					12,667,539					12,101,642					12,937,033					14,618,068					8,185,790					8,578,657				
Wire rod	3,090,036					2,961,769					3,493,632					3,838,788					4,044,688					2,353,429					2,515,075				
Wire	962,726					874,135					797,859					786,963					1,072,698					629,885					635,647				
Wire products	259,616					262,268					278,068					304,761					3/					3/					3/				
Structural shapes & units	4,156,233					4,698,305					4,815,432					5,081,809					5,313,459					3,087,368					3,244,142				
Rails & related products	1,238,900					931,313					647,697					504,561					507,278					342,600					371,992				
Pipe and tube	4,275,759					4,095,825					2,836,458					3,569,647					4,443,251					2,707,797					2,311,644				
Total	73,739,529					73,043,323					69,946,884					76,472,610					83,815,069					48,515,713					50,224,844				
Carbon & certain alloy 2/																																			
steel:																																			
Semifinished	1,266,364					1,327,766					1,339,062					2,018,535					1,828,600					917,189					1,097,002				
Plate	4,223,128					4,185,883					3,415,947					3,906,102					7,178,573					4,117,467					4,246,455				
Sheet and strip	40,058,979					40,018,167					39,236,239					42,347,623					43,663,695					25,374,132					26,464,082				
Bars & certain shapes	13,031,564					12,478,002					11,926,843					12,753,157					14,414,095					8,064,986					8,460,608				
Wire rod	3,038,112					2,931,897					3,457,233					3,791,034					3,986,930					2,317,049					2,491,065				
Wire	933,382					851,841					773,204					760,229					1,043,112					612,825					619,910				
Wire products	259,616					262,268					278,068					304,761					3/					3/					3/				
Structural shapes & units	4,156,233					4,698,305					4,815,432					5,081,809					5,313,459					3,087,368					3,244,142				
Rails & related products	1,238,900					931,313					647,697					504,561					507,278					342,600					371,992				
Pipe and tube	4,224,971					4,046,771					2,794,218					3,527,867					4,387,761					2,676,144					2,281,994				
Total	77,430,349					71,732,213					68,703,943					74,995,678					82,323,503					47,533,879					49,277,250				
Stainless & alloy tool steel:																																			
Stainless steel:																																			
Semifinished	39,680					46,758					49,587					77,064					79,953					47,867					49,676				
Plate	115,865					141,464					115,859					159,081					182,872					100,041					104,575				
Sheet and strip	819,770					832,131					799,402					940,643					1,044,220					628,029					605,897				
Bars & certain shapes	159,980					129,267					119,024					125,441					139,696					84,022					79,357				
Wire rod	51,924					29,872					36,399					47,754					57,758					36,380					24,010				
Wire	29,344					22,294					24,655					26,734					29,586					17,060					15,737				
Pipe and tube	51,688					49,054					42,240					41,780					55,490					36,782					29,650				
Tool steel (all forms)	60,229					60,270					55,775					58,435					64,277					36,782					38,692				
Total	1,309,180					1,311,110					1,242,941					1,476,932					1,653,852					981,634					947,594				

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.

Products and certain fabricated steel products: U.S. imports, by product and grade of steel, 1984-1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1984				1985				1986				1987				1988				January-July 1989			
All grades of steel:																								
Semifinished	1,632,065	2,440,368	2,084,322	2,288,995	2,084,322	2,440,368	2,084,322	2,288,995	2,084,322	2,440,368	2,084,322	2,288,995	2,084,322	2,440,368	2,084,322	2,288,995	2,084,322	2,440,368	2,084,322	2,288,995	2,084,322	2,440,368	2,084,322	2,288,995
Plate	1,782,050	1,772,309	1,456,790	1,566,694	1,456,790	1,772,309	1,456,790	1,566,694	1,456,790	1,772,309	1,456,790	1,566,694	1,456,790	1,772,309	1,456,790	1,566,694	1,456,790	1,772,309	1,456,790	1,566,694	1,456,790	1,772,309	1,456,790	1,566,694
Sheet and strip	10,332,032	9,046,089	8,278,604	7,875,891	8,278,604	9,046,089	8,278,604	7,875,891	8,278,604	9,046,089	8,278,604	7,875,891	8,278,604	9,046,089	8,278,604	7,875,891	8,278,604	9,046,089	8,278,604	7,875,891	8,278,604	9,046,089	8,278,604	7,875,891
Bars & certain shapes 1/	1,722,313	1,550,559	1,476,368	1,359,758	1,476,368	1,550,559	1,476,368	1,359,758	1,476,368	1,550,559	1,476,368	1,359,758	1,476,368	1,550,559	1,476,368	1,359,758	1,476,368	1,550,559	1,476,368	1,359,758	1,476,368	1,550,559	1,476,368	1,359,758
Wire rod	1,589,788	1,476,145	1,362,753	1,467,030	1,362,753	1,476,145	1,362,753	1,467,030	1,362,753	1,476,145	1,362,753	1,467,030	1,362,753	1,476,145	1,362,753	1,467,030	1,362,753	1,476,145	1,362,753	1,467,030	1,362,753	1,476,145	1,362,753	1,467,030
Wire	671,829	612,485	582,022	555,981	582,022	612,485	582,022	555,981	582,022	612,485	582,022	555,981	582,022	612,485	582,022	555,981	582,022	612,485	582,022	555,981	582,022	612,485	582,022	555,981
Wire products	738,680	674,960	636,591	649,377	636,591	674,960	636,591	649,377	636,591	674,960	636,591	649,377	636,591	674,960	636,591	649,377	636,591	674,960	636,591	649,377	636,591	674,960	636,591	649,377
Structural shapes & units	2,432,694	2,440,403	2,179,657	2,153,669	2,179,657	2,440,403	2,179,657	2,153,669	2,179,657	2,440,403	2,179,657	2,153,669	2,179,657	2,440,403	2,179,657	2,153,669	2,179,657	2,440,403	2,179,657	2,153,669	2,179,657	2,440,403	2,179,657	2,153,669
Rails & related products	373,890	382,046	275,710	245,988	275,710	382,046	275,710	245,988	275,710	382,046	275,710	245,988	275,710	382,046	275,710	245,988	275,710	382,046	275,710	245,988	275,710	382,046	275,710	245,988
Pipe and tube	5,429,839	4,457,277	2,936,303	2,772,091	2,936,303	4,457,277	2,936,303	2,772,091	2,936,303	4,457,277	2,936,303	2,772,091	2,936,303	4,457,277	2,936,303	2,772,091	2,936,303	4,457,277	2,936,303	2,772,091	2,936,303	4,457,277	2,936,303	2,772,091
Total	26,705,180	24,884,651	21,289,120	20,938,474	21,289,120	24,884,651	21,289,120	20,938,474	21,289,120	24,884,651	21,289,120	20,938,474	21,289,120	24,884,651	21,289,120	20,938,474	21,289,120	24,884,651	21,289,120	20,938,474	21,289,120	24,884,651	21,289,120	20,938,474
Carbon & certain alloy 2/																								
Semifinished	1,618,365	2,430,078	2,066,700	2,232,270	2,066,700	2,430,078	2,066,700	2,232,270	2,066,700	2,430,078	2,066,700	2,232,270	2,066,700	2,430,078	2,066,700	2,232,270	2,066,700	2,430,078	2,066,700	2,232,270	2,066,700	2,430,078	2,066,700	2,232,270
Plate	1,774,614	1,760,812	1,440,375	1,555,577	1,440,375	1,760,812	1,440,375	1,555,577	1,440,375	1,760,812	1,440,375	1,555,577	1,440,375	1,760,812	1,440,375	1,555,577	1,440,375	1,760,812	1,440,375	1,555,577	1,440,375	1,760,812	1,440,375	1,555,577
Sheet and strip	10,194,435	8,910,469	8,127,033	7,746,596	8,127,033	8,910,469	8,127,033	7,746,596	8,127,033	8,910,469	8,127,033	7,746,596	8,127,033	8,910,469	8,127,033	7,746,596	8,127,033	8,910,469	8,127,033	7,746,596	8,127,033	8,910,469	8,127,033	7,746,596
Bars & certain shapes	1,652,025	1,475,447	1,393,731	1,281,168	1,393,731	1,475,447	1,393,731	1,281,168	1,393,731	1,475,447	1,393,731	1,281,168	1,393,731	1,475,447	1,393,731	1,281,168	1,393,731	1,475,447	1,393,731	1,281,168	1,393,731	1,475,447	1,393,731	1,281,168
Wire rod	1,570,952	1,456,078	1,344,256	1,448,720	1,344,256	1,456,078	1,344,256	1,448,720	1,344,256	1,456,078	1,344,256	1,448,720	1,344,256	1,456,078	1,344,256	1,448,720	1,344,256	1,456,078	1,344,256	1,448,720	1,344,256	1,456,078	1,344,256	1,448,720
Wire	649,126	590,317	564,481	536,897	564,481	590,317	564,481	536,897	564,481	590,317	564,481	536,897	564,481	590,317	564,481	536,897	564,481	590,317	564,481	536,897	564,481	590,317	564,481	536,897
Wire products	738,680	674,960	636,591	649,377	636,591	674,960	636,591	649,377	636,591	674,960	636,591	649,377	636,591	674,960	636,591	649,377	636,591	674,960	636,591	649,377	636,591	674,960	636,591	649,377
Structural shapes & units	2,432,694	2,440,403	2,179,657	2,153,669	2,179,657	2,440,403	2,179,657	2,153,669	2,179,657	2,440,403	2,179,657	2,153,669	2,179,657	2,440,403	2,179,657	2,153,669	2,179,657	2,440,403	2,179,657	2,153,669	2,179,657	2,440,403	2,179,657	2,153,669
Rails & related products	373,890	382,046	275,710	245,988	275,710	382,046	275,710	245,988	275,710	382,046	275,710	245,988	275,710	382,046	275,710	245,988	275,710	382,046	275,710	245,988	275,710	382,046	275,710	245,988
Pipe and tube	5,329,642	4,457,277	2,936,303	2,772,091	2,936,303	4,457,277	2,936,303	2,772,091	2,936,303	4,457,277	2,936,303	2,772,091	2,936,303	4,457,277	2,936,303	2,772,091	2,936,303	4,457,277	2,936,303	2,772,091	2,936,303	4,457,277	2,936,303	2,772,091
Total	26,404,423	24,577,887	20,931,563	20,598,906	20,931,563	24,577,887	20,931,563	20,598,906	20,931,563	24,577,887	20,931,563	20,598,906	20,931,563	24,577,887	20,931,563	20,598,906	20,931,563	24,577,887	20,931,563	20,598,906	20,931,563	24,577,887	20,931,563	20,598,906
Stainless & alloy tool steel:																								
Semifinished	13,700	10,290	17,622	56,725	17,622	10,290	17,622	56,725	17,622	10,290	17,622	56,725	17,622	10,290	17,622	56,725	17,622	10,290	17,622	56,725	17,622	10,290	17,622	56,725
Plate	7,436	11,497	16,415	11,118	16,415	11,497	16,415	11,118	16,415	11,497	16,415	11,118	16,415	11,497	16,415	11,118	16,415	11,497	16,415	11,118	16,415	11,497	16,415	11,118
Sheet and strip	137,597	135,620	151,571	129,295	151,571	135,620	151,571	129,295	151,571	135,620	151,571	129,295	151,571	135,620	151,571	129,295	151,571	135,620	151,571	129,295	151,571	135,620	151,571	129,295
Bars & certain shapes	38,234	37,970	37,888	37,991	37,888	37,970	37,888	37,991	37,888	37,970	37,888	37,991	37,888	37,970	37,888	37,991	37,888	37,970	37,888	37,991	37,888	37,970	37,888	37,991
Wire rod	18,835	20,067	18,496	18,311	18,496	20,067	18,496	18,311	18,496	20,067	18,496	18,311	18,496	20,067	18,496	18,311	18,496	20,067	18,496	18,311	18,496	20,067	18,496	18,311
Wire	22,703	22,169	17,541	19,084	17,541	22,169	17,541	19,084	17,541	22,169	17,541	19,084	17,541	22,169	17,541	19,084	17,541	22,169	17,541	19,084	17,541	22,169	17,541	19,084
Pipe and tube	30,197	32,009	33,274	26,448	33,274	32,009	33,274	26,448	33,274	32,009	33,274	26,448	33,274	32,009	33,274	26,448	33,274	32,009	33,274	26,448	33,274	32,009	33,274	26,448
Tool steel (all forms)	32,024	49,142	44,749	40,599	44,749	49,142	44,749	40,599	44,749	49,142	44,749	40,599	44,749	49,142	44,749	40,599	44,749	49,142	44,749	40,599	44,749	49,142	44,749	40,599
Total	300,756	306,764	337,556	339,571	337,556	306,764	337,556	339,571	337,556	306,764	337,556	339,571	337,556	306,764	337,556	339,571	337,556	306,764	337,556	339,571	337,556	306,764	337,556	339,571

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

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

Table 4.--Steel mill products and certain fabricated steel products: U.S. exports of domestic merchandise, by product and grade of steel, 1984-1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1984				1985				1986				1987				1988				January-July 1989			
All grades of steel:																								
Semifinished	73,536	89,708	58,885	73,543	89,708	82,988	58,885	73,543	89,708	82,988	58,885	73,543	89,708	82,988	58,885	73,543	89,708	82,988	58,885	73,543	89,708	82,988	58,885	73,543
Plate	88,184	82,988	69,565	96,538	82,988	69,565	69,565	96,538	82,988	69,565	69,565	96,538	82,988	69,565	69,565	96,538	82,988	69,565	69,565	96,538	82,988	69,565	69,565	96,538
Sheet and strip	389,577	375,396	507,420	556,991	375,396	507,420	507,420	556,991	375,396	507,420	507,420	556,991	375,396	507,420	507,420	556,991	375,396	507,420	507,420	556,991	375,396	507,420	507,420	556,991
Bars & certain shapes 1/	133,595	99,096	81,224	121,869	99,096	81,224	81,224	121,869	99,096	81,224	81,224	121,869	99,096	81,224	81,224	121,869	99,096	81,224	81,224	121,869	99,096	81,224	81,224	121,869
Wire rod	8,646	4,740	5,876	8,217	4,740	5,876	5,876	8,217	4,740	5,876	5,876	8,217	4,740	5,876	5,876	8,217	4,740	5,876	5,876	8,217	4,740	5,876	5,876	8,217
Wire	19,979	19,146	26,760	26,669	19,146	26,760	26,760	26,669	19,146	26,760	26,760	26,669	19,146	26,760	26,760	26,669	19,146	26,760	26,760	26,669	19,146	26,760	26,760	26,669
Mine products	22,085	19,253	24,731	23,257	19,253	24,731	24,731	23,257	19,253	24,731	24,731	23,257	19,253	24,731	24,731	23,257	19,253	24,731	24,731	23,257	19,253	24,731	24,731	23,257
Structural shapes & units	119,256	89,031	71,525	101,373	89,031	71,525	71,525	101,373	89,031	71,525	71,525	101,373	89,031	71,525	71,525	101,373	89,031	71,525	71,525	101,373	89,031	71,525	71,525	101,373
Rails & related products	19,079	13,430	13,131	15,755	13,430	13,131	13,131	15,755	13,430	13,131	13,131	15,755	13,430	13,131	13,131	15,755	13,430	13,131	13,131	15,755	13,430	13,131	13,131	15,755
Pipe and tube	207,426	199,258	121,050	152,155	199,258	121,050	121,050	152,155	199,258	121,050	121,050	152,155	199,258	121,050	121,050	152,155	199,258	121,050	121,050	152,155	199,258	121,050	121,050	152,155
Total	1,081,363	992,046	980,167	1,176,367	992,046	980,167	980,167	1,176,367	992,046	980,167	980,167	1,176,367	992,046	980,167	980,167	1,176,367	992,046	980,167	980,167	1,176,367	992,046	980,167	980,167	1,176,367
Carbon & certain alloy 2/																								
Semifinished	72,285	82,650	57,932	71,362	82,650	57,932	57,932	71,362	82,650	57,932	57,932	71,362	82,650	57,932	57,932	71,362	82,650	57,932	57,932	71,362	82,650	57,932	57,932	71,362
Plate	84,813	74,957	66,042	92,057	74,957	66,042	66,042	92,057	74,957	66,042	66,042	92,057	74,957	66,042	66,042	92,057	74,957	66,042	66,042	92,057	74,957	66,042	66,042	92,057
Sheet and strip	369,695	349,620	477,803	501,010	349,620	477,803	477,803	501,010	349,620	477,803	477,803	501,010	349,620	477,803	477,803	501,010	349,620	477,803	477,803	501,010	349,620	477,803	477,803	501,010
Bars & certain shapes	126,090	89,241	72,134	111,619	89,241	72,134	72,134	111,619	89,241	72,134	72,134	111,619	89,241	72,134	72,134	111,619	89,241	72,134	72,134	111,619	89,241	72,134	72,134	111,619
Wire rod	7,918	3,716	5,049	6,889	3,716	5,049	5,049	6,889	3,716	5,049	5,049	6,889	3,716	5,049	5,049	6,889	3,716	5,049	5,049	6,889	3,716	5,049	5,049	6,889
Wire	17,524	17,182	24,033	22,863	17,182	24,033	24,033	22,863	17,182	24,033	24,033	22,863	17,182	24,033	24,033	22,863	17,182	24,033	24,033	22,863	17,182	24,033	24,033	22,863
Mine products	22,085	19,253	24,731	23,257	19,253	24,731	24,731	23,257	19,253	24,731	24,731	23,257	19,253	24,731	24,731	23,257	19,253	24,731	24,731	23,257	19,253	24,731	24,731	23,257
Structural shapes & units	119,256	89,031	71,525	101,373	89,031	71,525	71,525	101,373	89,031	71,525	71,525	101,373	89,031	71,525	71,525	101,373	89,031	71,525	71,525	101,373	89,031	71,525	71,525	101,373
Rails & related products	19,079	13,430	13,131	15,755	13,430	13,131	13,131	15,755	13,430	13,131	13,131	15,755	13,430	13,131	13,131	15,755	13,430	13,131	13,131	15,755	13,430	13,131	13,131	15,755
Pipe and tube	199,778	193,309	118,010	143,405	193,309	118,010	118,010	143,405	193,309	118,010	118,010	143,405	193,309	118,010	118,010	143,405	193,309	118,010	118,010	143,405	193,309	118,010	118,010	143,405
Total	1,038,323	932,389	930,390	1,089,590	932,389	930,390	930,390	1,089,590	932,389	930,390	930,390	1,089,590	932,389	930,390	930,390	1,089,590	932,389	930,390	930,390	1,089,590	932,389	930,390	930,390	1,089,590
Stainless & alloy tool steel:																								
Semifinished	1,251	7,058	953	2,181	7,058	953	953	2,181	7,058	953	953	2,181	7,058	953	953	2,181	7,058	953	953	2,181	7,058	953	953	2,181
Plate	3,371	8,031	3,523	4,481	8,031	3,523	3,523	4,481	8,031	3,523	3,523	4,481	8,031	3,523	3,523	4,481	8,031	3,523	3,523	4,481	8,031	3,523	3,523	4,481
Sheet and strip	20,081	25,776	29,617	55,981	25,776	29,617	29,617	55,981	25,776	29,617	29,617	55,981	25,776	29,617	29,617	55,981	25,776	29,617	29,617	55,981	25,776	29,617	29,617	55,981
Bars & certain shapes	5,178	7,762	6,946	7,189	7,762	6,946	6,946	7,189	7,762	6,946	6,946	7,189	7,762	6,946	6,946	7,189	7,762	6,946	6,946	7,189	7,762	6,946	6,946	7,189
Wire rod	728	1,024	828	1,328	1,024	828	828	1,328	1,024	828	828	1,328	1,024	828	828	1,328	1,024	828	828	1,328	1,024	828	828	1,328
Wire	2,455	1,964	2,728	3,806	1,964	2,728	2,728	3,806	1,964	2,728	2,728	3,806	1,964	2,728	2,728	3,806	1,964	2,728	2,728	3,806	1,964	2,728	2,728	3,806
Pipe and tube	7,648	5,948	3,040	8,751	5,948	3,040	3,040	8,751	5,948	3,040	3,040	8,751	5,948	3,040	3,040	8,751	5,948	3,040	3,040	8,751	5,948	3,040	3,040	8,751
Tool steel (all forms)	2,326	2,094	2,144	3,061	2,094	2,144	2,144	3,061	2,094	2,144	2,144	3,061	2,094	2,144	2,144	3,061	2,094	2,144	2,144	3,061	2,094	2,144	2,144	3,061
Total	43,038	59,657	49,779	86,778	59,657	49,779	49,779	86,778	59,657	49,779	49,779	86,778	59,657	49,779	49,779	86,778	59,657	49,779	49,779	86,778	59,657	49,779	49,779	86,778

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

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

Table 5.--Steel mill products and certain fabricated steel products: Apparent U.S. consumption, by product and grade of steel, 1984-1988, and by specified periods, 1988 and 1989

Item	(Short tons)				
	1984	1985	1986	1987	1988
All grades of steel:					
Semifinished	2,864,573	3,725,184	3,414,086	4,311,051	4,529,816
Plate	6,032,859	6,016,668	4,919,031	5,535,339	5,313,300
Sheet and strip	50,821,204	49,520,991	47,826,825	50,607,166	29,866,799
Bars and certain shapes 1/	14,821,191	14,119,002	13,496,786	14,174,922	8,922,943
Wire rod	4,671,178	4,433,474	4,850,509	5,297,601	3,288,586
Wire products	1,614,576	1,467,474	1,353,121	1,316,275	1,291,484
Structural shapes & units	976,211	917,975	889,928	930,881	3/
Rails & related products	6,469,671	7,049,677	6,923,564	7,134,105	4,344,475
Pipe and tube	1,593,711	1,299,929	910,276	734,794	501,684
Total	9,498,172	8,385,854	5,671,711	6,192,583	4,656,622
Carbon & certain alloy 2/	99,363,346	96,935,928	90,255,837	96,236,717	103,532,259
Stainless steel:					
Semifinished	2,812,444	3,675,194	3,347,830	4,179,443	4,552,574
Plate	5,912,929	5,871,738	4,790,280	5,369,622	8,928,117
Sheet and strip	49,883,919	48,579,016	46,905,669	49,593,209	29,194,941
Bars & certain shapes	14,537,499	13,864,208	13,248,440	13,922,706	15,650,297
Wire rod	4,601,146	4,384,259	4,796,440	5,232,865	5,452,877
Wire products	1,564,984	1,424,976	1,313,652	1,274,263	2,075,234
Structural shapes & units	976,211	917,975	889,928	930,881	3/
Rails & related products	6,469,671	7,049,677	6,923,564	7,134,105	4,344,475
Pipe and tube	1,593,711	1,299,929	910,276	734,794	501,684
Total	9,423,935	8,310,739	5,599,237	6,133,106	4,604,774
Stainless & alloy tool steel:	97,796,449	93,377,711	88,725,116	94,504,994	101,771,362
Stainless steel:					
Semifinished	52,129	49,990	66,256	131,608	80,074
Plate	119,930	144,930	128,751	165,718	100,398
Sheet and strip	937,286	941,975	921,356	1,013,957	671,858
Bars & certain shapes	173,036	159,475	149,966	156,243	103,163
Wire rod	70,031	48,931	54,067	64,737	47,721
Wire products	49,592	42,499	39,468	42,012	26,330
Pipe and tube	74,237	75,115	72,474	59,477	51,849
Total	90,957	95,318	98,580	95,273	61,825
Total	1,566,898	1,558,217	1,530,718	1,729,725	1,143,218

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

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

Table 6.--Steel mill products and certain fabricated steel products: U.S. imports as a percent of apparent consumption, by product and grade of steel, 1984-1988, and by specific periods, 1988 and 1989

(Percent)

Item	1988					January-July	
	1984	1985	1986	1987	1988	1988	1989
All grades of steel:							
Semifinished	57.0	65.5	61.1	53.1	62.8	65.8	57.5
Plate	29.5	29.5	29.6	28.3	20.5	21.8	17.0
Sheet and strip	20.3	18.3	17.3	15.6	14.4	14.4	12.1
Bars & certain shapes 1/	11.6	11.0	10.9	9.6	9.1	9.1	8.2
Wire rod	34.0	33.3	28.1	27.7	27.0	28.6	21.8
Wire	41.0	41.0	43.0	42.0	39.0	84.0	89.0
Wire products	75.7	73.5	71.5	69.8	3/	3/	3/
Structural shapes & units	37.6	34.6	31.5	30.2	29.6	30.4	26.3
Rails & related products	23.5	29.4	30.3	33.5	39.5	34.1	37.8
Pipe and tube	57.3	53.6	52.2	44.8	44.0	44.2	40.0
Total	27.0	25.8	23.6	21.8	21.1	21.7	18.1
Carbon & certain alloy 2/ steel:							
Semifinished	57.5	66.1	61.7	53.4	61.1	66.5	57.8
Plate	30.0	30.0	30.1	29.0	20.8	22.0	17.2
Sheet and strip	20.4	18.3	17.3	15.6	14.5	14.5	12.1
Bars & certain shapes	11.3	10.6	10.5	9.2	8.7	8.7	7.5
Wire rod	34.1	33.2	28.0	27.7	27.0	28.6	21.6
Wire	41.0	41.0	43.0	42.0	39.0	55.0	61.0
Wire products	75.7	73.5	71.5	69.8	3/	3/	3/
Structural shapes & units	37.6	34.6	31.5	30.2	29.6	30.4	26.3
Rails & related products	23.5	29.4	30.3	33.5	39.5	34.1	37.8
Pipe and tube	57.3	53.6	52.2	44.8	44.0	44.2	40.0
Total	27.0	25.8	23.6	21.8	21.1	21.8	18.0
Stainless & alloy tool steel:							
Semifinished	26.3	20.6	26.6	43.1	46.7	43.7	49.3
Plate	6.2	7.9	12.7	6.7	8.5	8.2	9.2
Sheet and strip	14.7	14.4	16.5	12.8	10.6	10.2	11.9
Bars & certain shapes	22.1	23.8	25.3	24.3	24.2	23.5	21.5
Wire rod	26.9	41.0	34.2	28.3	25.4	24.8	37.8
Wire	45.8	52.2	44.4	45.4	45.1	42.0	48.7
Pipe and tube	40.7	42.6	45.9	44.5	42.7	45.3	50.4
Tool steel (all forms)	35.4	39.0	45.5	42.3	42.5	44.5	70.3
Total	19.2	19.7	22.1	19.6	18.6	18.3	22.8

1/ Includes tool steel.

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

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

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

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	155,112	282,085	142,520	199,941
Austria -----	119,666	138,101	71,138	39,478
Brazil -----	1,152,972	1,476,896	859,662	914,218
Czechoslovakia -----	29,792	37,301	20,190	4,365
East Germany -----	95,910	92,239	56,329	39,500
EC countries-----	5,314,371	5,766,991	3,316,524	2,797,800
Finland -----	174,889	212,989	126,170	140,140
Hungary -----	27,064	30,094	17,022	12,062
Japan -----	4,384,621	4,343,898	2,570,605	2,206,757
Mexico -----	491,204	488,367	290,178	211,084
Peoples Rep of China -----	51,107	68,840	38,258	31,680
Poland -----	91,936	89,648	73,858	36,789
Portugal -----	31,087	22,739	15,156	3,912
Romania -----	82,408	102,548	82,328	22,108
Republic of South Africa -----	30,015	1,693	1,693	512
Korea, Republic of -----	1,434,872	1,572,602	950,217	649,191
Spain -----	520,988	486,490	280,222	308,295
Trinidad and Tobago -----	62,575	31,518	20,150	19,019
Venezuela -----	170,571	169,383	117,690	44,617
Yugoslavia -----	15,394	12,751	9,484	4,220
Total-----	14,436,554	15,427,173	9,059,394	7,685,688
Other countries:				
Canada -----	3,809,440	3,430,920	2,125,351	1,902,157
Sweden -----	609,367	575,055	455,664	179,489
Argentina -----	346,494	558,011	421,329	117,296
Turkey -----	407,413	307,985	218,334	137,997
Indonesia -----	235,573	281,142	168,287	48,847
Taiwan -----	263,415	252,112	148,477	97,704
Norway -----	154,231	181,502	124,683	64,857
Thailand -----	120,179	160,364	95,643	46,059
Singapore -----	144,538	153,164	73,314	44,085
India -----	60,774	100,261	63,829	66,397
All others-----	350,496	441,375	266,693	129,574
Total-----	6,501,920	6,441,891	4,161,604	2,834,462
Grand total-----	20,938,474	21,869,064	13,220,998	10,520,150

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	70,374	118,494	61,901	84,375
Austria -----	58,007	82,907	44,140	34,571
Brazil -----	328,749	463,632	257,269	304,443
Czechoslovakia -----	7,156	12,019	6,019	1,480
East Germany -----	25,328	31,340	17,666	13,129
EC countries -----	2,197,086	2,721,224	1,523,851	1,520,464
Finland -----	65,035	101,105	58,305	59,650
Hungary -----	6,191	8,600	4,608	3,846
Japan -----	2,189,840	2,562,005	1,480,447	1,416,518
Mexico -----	204,210	240,693	138,440	117,649
Peoples Rep of China -----	23,586	27,574	14,841	18,099
Poland -----	27,141	30,281	23,934	13,685
Portugal -----	15,163	10,575	7,588	2,586
Romania -----	25,093	36,063	28,757	7,780
Republic of South Africa -----	7,322	1,487	1,487	405
Korea, Republic of -----	633,718	770,065	456,268	331,368
Spain -----	200,168	249,811	133,339	167,926
Trinidad and Tobago -----	15,482	8,602	5,475	5,968
Venezuela -----	48,835	53,699	37,537	17,684
Yugoslavia -----	5,404	5,947	4,464	1,757
Total-----	6,153,888	7,536,123	4,306,336	4,123,383
Other countries:				
Canada -----	1,660,699	1,706,602	1,041,148	1,020,788
Sweden -----	301,016	358,878	244,942	179,174
Argentina -----	122,695	221,845	163,275	56,038
Turkey -----	123,568	93,038	63,035	44,572
Indonesia -----	56,949	81,687	46,303	16,797
Taiwan -----	118,228	134,663	74,030	64,008
Norway -----	39,735	55,371	34,679	22,899
Thailand -----	43,817	65,625	38,193	20,061
Singapore -----	42,953	50,365	24,210	17,669
India -----	22,889	43,769	27,346	26,991
All others-----	124,712	164,938	97,744	64,489
Total-----	2,657,261	2,976,781	1,854,905	1,533,486
Grand total-----	8,811,149	10,512,904	6,161,241	5,656,869

Table 8.--Steel other than semifinished steel: $\frac{1}{2}$ U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January-July	
			1988	1989
Quantity (Short tons)				
VRA countries:				
Australia -----	155,077	202,683	117,027	140,923
Austria -----	119,666	138,029	71,130	39,478
Brazil -----	671,685	755,083	439,625	465,215
Czechoslovakia -----	29,792	37,301	20,190	4,365
East Germany -----	95,909	92,239	56,329	39,500
EC-----	4,358,698	4,611,870	2,598,369	2,268,843
Finland -----	160,941	209,750	122,931	123,424
Hungary -----	26,495	30,094	17,022	12,062
Japan -----	4,291,332	4,264,692	2,523,766	2,153,844
Mexico -----	429,320	424,451	247,726	177,242
Peoples Rep of China -----	51,093	68,840	38,258	31,675
Poland -----	90,476	89,295	73,553	36,523
Portugal -----	31,087	22,739	15,156	3,912
Romania -----	82,408	102,548	82,328	22,108
Republic of South Africa ----	7,437	1,693	1,693	512
Korea, Republic of -----	1,407,830	1,515,157	945,196	605,958
Spain -----	484,083	449,539	252,113	296,374
Trinidad and Tobago -----	62,575	28,460	20,150	19,019
Venezuela -----	130,749	119,720	90,721	44,617
Yugoslavia -----	15,394	12,751	9,484	4,220
Total-----	12,702,047	13,176,934	7,742,767	6,489,814
Other countries:				
Canada -----	3,673,795	3,327,082	2,054,221	1,837,490
Argentina -----	343,363	535,190	398,508	117,235
Turkey -----	407,413	307,985	218,334	137,997
Indonesia -----	234,667	276,988	164,138	48,847
Sweden -----	267,311	269,005	179,631	112,091
Taiwan -----	263,415	252,112	148,477	97,704
Thailand -----	120,179	160,364	95,643	46,059
Singapore -----	144,538	153,164	73,314	44,085
Norway -----	109,791	116,917	77,720	58,980
India -----	60,774	100,261	63,829	66,397
All others-----	322,184	348,084	197,344	123,696
Total-----	5,947,430	5,847,152	3,671,159	2,690,581
Grand total-----	18,649,477	19,024,086	11,413,926	9,180,395

See footnotes at end of table.

Table 8.--Steel other than semifinished steel: 1/ U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	January-July			
	1987	1988	1988	1989
	Import/consumption ratio (percent)			
VRA countries:				
Australia -----	.2	.2	.2	.3
Austria -----	.1	.1	.1	.1
Brazil -----	.7	.8	.8	.8
Czechoslovakia -----	2/	2/	2/	2/
East Germany -----	.1	.1	.1	.1
EC-----	4.8	4.7	4.5	4.1
Finland -----	.2	.2	.2	.2
Hungary -----	2/	2/	2/	2/
Japan -----	4.7	4.4	4.4	3.9
Mexico -----	.5	.4	.4	.3
Peoples Rep of China -----	.1	.1	.1	.1
Poland -----	.1	.1	.1	.1
Portugal -----	2/	2/	2/	2/
Romania -----	.1	.1	.1	2/
Republic of South Africa -----	2/	2/	2/	2/
Korea, Republic of -----	1.6	1.5	1.6	1.1
Spain -----	.5	.5	.4	.5
Trinidad and Tobago -----	.1	2/	2/	2/
Venezuela -----	.1	.1	.2	.1
Yugoslavia -----	2/	2/	2/	2/
Total-----	14.0	13.5	13.5	11.7
Other countries:				
Canada -----	4.1	3.4	3.6	3.3
Argentina -----	.4	.5	.7	.2
Turkey -----	.4	.3	.4	.2
Indonesia -----	.3	.3	.3	.1
Sweden -----	.3	.3	.3	.2
Taiwan -----	.3	.3	.3	.2
Thailand -----	.1	.2	.2	.1
Singapore -----	.2	.2	.1	.1
Norway -----	.1	.1	.1	.1
India -----	.1	.1	.1	.1
All others-----	.4	.4	.3	.2
Total-----	6.6	6.0	6.4	4.9
Grand total-----	20.6	19.5	19.9	16.6

1/ Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars. ¹⁰
2/ Less than 0.05 percent.

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

Table 9.--Semifinished steel: 1/ U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Source	Voluntary restraint level 2/	Quantity (short tons)			
		1987	1988	1988	January--July 1989
VRA countries:					
Australia	50,000	35	79,402	25,494	59,017
Austria	3/	0	0	0	0
Brazil	700,000	481,287	721,813	420,037	449,003
Czechoslovakia	3/	0	0	0	0
East Germany	3/	1	0	0	0
EC Countries	4/ 820,000	955,673	1,155,121	718,155	528,957
Finland	15,000	13,948	3,239	3,239	16,716
Hungary	3/	569	0	0	0
Japan	100,000	93,288	79,206	46,839	52,913
Mexico	100,000	61,884	63,916	42,452	33,842
Peoples Rep of China	3/	13	0	0	5
Poland	3/	1,460	353	305	267
Portugal	3/	0	0	0	0
Romania	3/	0	0	0	0
Republic of South Africa	5/ 100,000	22,578	0	0	0
Korea, Republic of	50,000	27,043	57,445	5,021	43,232
Spain	50,000	36,905	36,951	28,109	11,921
Trinidad and Tobago	3,500	0	3,058	0	0
Venezuela	60,000	39,822	49,663	26,970	0
Yugoslavia	3/	0	0	0	0
Total	2,048,500	1,734,506	2,250,240	1,316,629	1,195,873
Other countries:					
Sweden	6/	342,056	306,050	276,033	67,398
Canada	6/	135,645	103,838	71,130	64,667
Norway	6/	44,440	64,585	46,963	5,877
Soviet Union	6/	0	47,078	23,134	5,860
New Zealand	6/	28,212	46,214	46,214	0
Argentina	6/	3,131	22,820	22,820	62
Indonesia	6/	906	4,154	4,149	0
Switzerland	6/	99	0	0	18
Israel	6/	0	0	0	0
Taiwan	6/	0	0	0	0
Total	6/	554,489	594,739	490,443	143,882
Grand total	2,048,500	2,288,995	2,844,979	1,807,072	1,339,755

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 280,000 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, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987		1988		January--July	
	1987	1988	1988	1989	1988	1989
	Quantity (short tons)					
VRA countries:						
Australia -----	35	79,402	25,494	59,017		
Austria -----	0	0	0	0		
Brazil -----	467,926	720,130	419,607	449,003		
Czechoslovakia -----	0	0	0	0		
East Germany -----	2/	0	0	0		
EC countries -----	949,332	1,151,180	716,054	528,047		
Finland -----	13,948	3,239	3,239	16,716		
Hungary -----	569	0	0	0		
Japan -----	89,683	77,271	45,376	52,645		
Mexico -----	61,884	63,916	42,452	33,832		
Peoples Rep of China -----	13	0	0	5		
Poland -----	1,460	279	279	0		
Portugal -----	0	0	0	0		
Romania -----	0	0	0	0		
Republic of South Africa -----	22,578	0	0	0		
Korea, Republic of -----	27,043	57,445	5,021	43,232		
Spain -----	36,537	30,268	25,574	1,600		
Trinidad and Tobago -----	0	3,058	0	0		
Venezuela -----	39,822	49,663	26,970	0		
Yugoslavia -----	0	0	0	0		
Total-----	1,710,830	2,235,851	1,310,066	1,184,097		
Other countries:						
Sweden -----	334,207	291,559	266,379	60,821		
Canada -----	110,445	70,310	52,351	40,828		
Norway -----	44,440	64,585	46,963	5,877		
Soviet Union -----	0	47,078	23,134	5,860		
New Zealand -----	28,212	46,214	46,214	0		
Argentina -----	3,131	22,820	22,820	62		
Indonesia -----	906	4,154	4,149	0		
Switzerland -----	99	2/	2/	18		
Total-----	521,440	546,720	462,010	113,466		
Grand total-----	2,232,270	2,782,571	1,772,076	1,297,563		

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	6	15,165	3,850	11,900
Austria -----	0	0	0	0
Brazil -----	87,231	161,215	88,530	111,377
Czechoslovakia -----	0	0	0	0
East Germany -----	7	0	0	0
EC countries -----	208,398	284,362	168,777	140,201
Finland -----	2,945	770	770	4,508
Hungary -----	128	0	0	0
Japan -----	20,477	19,499	11,113	14,591
Mexico -----	11,428	17,342	9,996	9,034
Peoples Rep of China -----	30	0	0	7
Poland -----	342	69	69	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	3,548	0	0	0
Korea, Republic of -----	4,809	14,573	1,164	10,557
Spain -----	6,503	6,521	5,622	602
Trinidad and Tobago -----	0	617	0	0
Venezuela -----	6,708	11,049	5,221	0
Yugoslavia -----	0	0	0	0
Total-----	352,560	531,182	295,112	302,777
Other countries:				
Sweden -----	76,098	73,544	67,069	15,249
Canada -----	26,940	21,337	14,780	15,056
Norway -----	8,098	14,757	10,365	1,288
Soviet Union -----	0	6,946	2,959	843
New Zealand -----	6,332	13,489	13,489	0
Argentina -----	1,109	6,147	6,147	21
Indonesia -----	242	1,196	1,195	0
Switzerland -----	140	3	3	56
Total-----	118,959	137,419	116,007	32,513
Grand total-----	471,519	668,601	411,119	335,290

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

^{2/} Less than 0.5 short ton.

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	5,014	5,935	3,513	1,755
Austria -----	9,701	21,426	8,640	2,334
Brazil -----	112,608	171,537	111,298	96,135
Czechoslovakia -----	10,416	16,455	8,423	3,371
East Germany -----	16,091	17,270	11,241	6,927
EC countries -----	381,994	467,491	255,819	214,011
Finland -----	69,486	96,135	51,838	69,637
Hungary -----	13,933	16,146	8,960	6,287
Japan -----	35,903	44,538	20,111	24,544
Mexico -----	12,930	20,867	12,663	9,622
Peoples Rep of China -----	0	26	0	0
Poland -----	30,633	30,860	25,040	14,198
Portugal -----	0	0	0	0
Romania -----	49,274	68,325	54,027	16,383
Republic of South Africa -----	465	0	0	0
Korea, Republic of -----	64,323	68,405	42,201	28,516
Spain -----	63,973	48,484	31,245	37,469
Trinidad and Tobago -----	0	389	0	0
Venezuela -----	6,872	6,653	5,981	2,915
Yugoslavia -----	0	1,423	1,423	0
Total-----	883,616	1,102,365	652,423	534,104
Other countries:				
Canada -----	449,135	419,556	273,613	169,915
Sweden -----	106,253	110,743	69,521	48,539
Indonesia -----	46,701	84,969	52,586	203
Argentina -----	17,499	44,564	32,456	233
India -----	35,711	34,780	22,438	35,303
Egypt -----	0	21,147	16,262	0
Pakistan -----	6,227	15,610	10,043	0
Algeria -----	0	8,054	8,054	0
Turkey -----	6,145	5,946	5,946	193
New Zealand -----	0	3,849	726	5,015
All others-----	4,290	5,507	4,369	2/
Total-----	671,961	754,725	496,014	259,401
Grand total-----	1,555,577	1,857,090	1,148,437	793,505

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	2,285	3,190	1,946	883
Austria -----	3,379	8,467	3,596	1,218
Brazil -----	36,299	67,413	40,215	30,843
Czechoslovakia -----	2,292	5,280	2,435	921
East Germany -----	3,761	5,566	3,423	2,238
EC countries-----	126,682	197,106	106,005	93,382
Finland -----	18,573	38,528	21,044	25,348
Hungary -----	3,104	4,494	2,312	1,935
Japan -----	19,324	27,120	11,763	14,826
Mexico -----	3,340	8,122	4,766	4,201
Peoples Rep of China -----	0	28	0	0
Poland -----	7,316	9,971	7,766	4,855
Portugal -----	0	0	0	0
Romania -----	13,447	22,680	17,918	5,588
Republic of South Africa -----	145	0	0	0
Korea, Republic of -----	21,560	28,496	17,085	10,908
Spain -----	20,059	22,593	13,922	14,243
Trinidad and Tobago -----	0	122	0	0
Venezuela -----	1,762	2,062	1,809	990
Yugoslavia -----	0	461	461	0
Total -----	283,328	451,699	256,466	212,379
Other countries:				
Canada -----	155,991	175,573	111,815	71,259
Sweden -----	40,807	52,247	32,009	24,698
Indonesia -----	12,461	25,597	15,324	57
Argentina -----	4,317	14,038	10,320	81
India -----	13,055	14,024	9,074	10,877
Egypt -----	0	6,652	5,040	0
Pakistan -----	2,559	4,117	2,599	0
Algeria -----	0	2,330	2,330	0
Turkey -----	1,554	2,186	2,186	88
New Zealand -----	0	1,350	228	1,516
All others-----	1,708	1,855	1,454	6
Total -----	232,452	299,969	192,379	108,582
Grand total -----	515,780	751,668	448,845	320,961

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

^{2/} Less than 0.5 short ton.

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

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	123,054	169,338	96,169	120,538
Austria -----	82,055	80,141	42,189	21,589
Brazil -----	343,715	279,788	146,898	245,512
Czechoslovakia -----	2,410	0	0	10
East Germany -----	61,012	50,830	28,918	20,212
EC countries-----	2,172,597	2,143,264	1,153,105	960,114
Finland -----	71,070	85,164	53,946	41,498
Hungary -----	9,600	13,211	7,454	4,637
Japan -----	2,381,393	2,209,538	1,262,461	1,195,783
Mexico -----	127,973	139,529	82,202	54,669
Peoples Rep of China -----	584	0	0	18
Poland -----	13,390	11,005	10,250	0
Portugal -----	29,872	16,837	14,732	3,002
Romania -----	3,665	6,731	6,731	52
Republic of South Africa -----	372	0	0	0
Korea, Republic of -----	603,796	487,380	331,266	163,166
Spain -----	100,179	88,988	50,913	41,456
Trinidad and Tobago -----	0	63	0	0
Venezuela -----	56,293	57,246	50,108	13,667
Yugoslavia -----	0	0	0	11
Total-----	6,183,030	5,839,053	3,337,342	2,885,934
Other countries:				
Canada -----	1,119,490	856,040	531,050	472,181
Argentina -----	175,619	243,388	201,902	9,615
Taiwan -----	60,024	78,901	45,691	25,666
Sweden -----	61,509	51,007	5,484	14,163
New Zealand -----	10,795	29,118	6,421	46,761
Algeria -----	11,632	21,102	19,984	0
Indonesia -----	24,966	20,138	12,733	160
Turkey -----	67,134	17,019	17,019	20
Norway -----	15,629	14,466	5,964	10,941
Pakistan -----	10,113	8,324	3,345	0
All others-----	6,653	6,824	3,544	2,132
Total-----	1,563,564	1,346,327	885,137	581,639
Grand total-----	7,746,594	7,185,380	4,222,479	3,467,573

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	59,001	90,392	50,407	62,681
Austria -----	26,289	31,089	16,319	8,871
Brazil -----	119,782	111,040	56,805	98,348
Czechoslovakia -----	644	0	0	3
East Germany -----	17,087	18,100	10,024	7,328
EC countries -----	877,390	995,304	529,603	478,995
Finland -----	25,253	32,525	20,673	17,147
Hungary -----	2,371	3,751	2,020	1,423
Japan -----	1,208,940	1,211,321	690,835	690,165
Mexico -----	60,338	77,632	44,405	32,417
Peoples Rep of China -----	114	0	0	7
Poland -----	5,198	5,049	4,681	0
Portugal -----	14,108	8,172	7,153	1,600
Romania -----	1,246	2,176	2,176	36
Republic of South Africa -----	124	0	0	0
Korea, Republic of -----	234,228	209,663	141,245	65,362
Spain -----	40,855	41,812	24,277	19,268
Trinidad and Tobago -----	0	19	0	0
Venezuela -----	18,728	22,121	19,043	5,680
Yugoslavia -----	0	0	0	6
Total-----	2,711,696	2,860,166	1,619,666	1,489,337
Other countries:				
Canada -----	463,992	381,804	232,209	225,878
Argentina -----	64,208	92,033	76,526	4,926
Taiwan -----	22,313	31,494	18,027	11,458
Sweden -----	37,494	39,376	26,246	18,372
New Zealand -----	5,600	11,315	2,620	20,232
Algeria -----	4,076	8,668	8,157	0
Indonesia -----	6,638	7,569	3,991	76
Turkey -----	27,144	6,256	6,256	9
Norway -----	7,955	7,909	3,179	6,793
Pakistan -----	2,221	3,600	2,243	0
All others -----	2,985	3,066	1,723	1,125
Total-----	644,626	593,090	381,177	288,869
Grand total-----	3,356,322	3,453,256	2,000,843	1,778,206

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

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

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	117	826	56	36
Austria -----	394	693	147	329
Brazil -----	50,090	96,561	59,396	30,391
Czechoslovakia -----	0	0	0	0
East Germany -----	2	0	0	0
EC countries -----	209,024	222,242	118,837	91,113
Finland -----	2,752	4,081	2,326	2,645
Hungary -----	43	146	22	0
Japan -----	154,408	107,959	64,063	46,290
Mexico -----	31,521	22,813	13,115	8,176
Peoples Rep of China -----	4,820	3,441	2,625	1,515
Poland -----	1,037	1,282	634	1,963
Portugal -----	0	2/	2/	0
Romania -----	122	29	29	0
Republic of South Africa -----	221	0	0	0
Korea, Republic of -----	56,173	74,249	40,314	41,400
Spain -----	30,581	38,094	26,198	16,603
Trinidad and Tobago -----	18,047	15,404	9,453	13,884
Venezuela -----	13,530	19,962	7,733	7,104
Yugoslavia -----	287	0	0	0
Total -----	573,169	607,782	344,948	261,449
Other countries:				
Canada -----	379,637	429,634	254,979	240,068
Turkey -----	94,882	102,560	49,997	98,673
Indonesia -----	44,957	54,015	24,631	3,133
Argentina -----	18,954	50,982	22,740	28,051
Norway -----	28,347	36,346	24,289	23,640
Taiwan -----	44,665	32,265	21,252	6,699
Singapore -----	39,869	19,311	0	8,688
India -----	10,014	11,249	7,694	5,507
Sweden -----	7,255	9,099	6,278	1,561
Israel -----	619	5,943	78	42
All others -----	38,800	1,924	1,152	4,846
Total -----	707,999	753,328	413,090	420,908
Grand total -----	1,281,168	1,361,110	758,038	682,357

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	92	332	32	11
Austria -----	590	667	248	630
Brazil -----	15,461	29,058	17,494	13,070
Czechoslovakia -----	0	0	0	0
East Germany -----	1	0	0	0
EC countries-----	154,145	116,081	60,132	53,100
Finland -----	1,685	2,705	1,472	1,906
Hungary -----	14	63	9	0
Japan -----	62,568	49,339	28,706	23,269
Mexico -----	8,595	8,588	4,848	3,100
Peoples Rep of China -----	1,683	1,314	1,011	521
Poland -----	548	845	419	1,109
Portugal -----	0	2	2	0
Romania -----	600	103	103	0
Republic of South Africa -----	71	0	0	0
Korea, Republic of -----	15,094	20,439	10,870	12,215
Spain -----	11,163	17,305	11,211	8,368
Trinidad and Tobago -----	5,496	3,968	2,441	4,448
Venezuela -----	3,187	5,392	2,037	2,884
Yugoslavia -----	73	0	0	0
Total-----	281,066	256,201	141,035	124,631
Other countries:				
Canada -----	146,520	186,448	109,156	103,715
Turkey -----	24,960	28,951	12,764	29,707
Indonesia -----	9,076	14,691	6,609	862
Argentina -----	4,865	16,442	6,990	10,860
Norway -----	5,906	8,963	5,737	6,578
Taiwan -----	11,531	10,022	6,278	2,350
Singapore -----	10,128	5,104	0	3,313
India -----	3,490	3,952	2,593	2,385
Sweden -----	4,732	5,737	3,645	1,430
Israel -----	191	1,616	72	18
All others-----	9,814	1,111	703	1,624
Total-----	231,213	283,037	154,547	162,842
Grand total-----	512,279	539,238	295,582	287,473

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	9,664	9,551	7,705	9,257
Austria -----	401	601	260	1,112
Brazil -----	50,183	58,383	40,065	25,363
Czechoslovakia -----	10,307	13,661	7,627	0
East Germany -----	12,806	16,306	10,524	8,961
EC countries -----	235,247	248,578	145,384	100,664
Finland -----	2,237	2,237	2,237	108
Hungary -----	2,862	0	0	0
Japan -----	245,672	276,003	156,072	151,392
Mexico -----	62,826	58,389	31,728	23,322
Peoples Rep of China -----	0	27	27	25
Poland -----	0	7,606	7,606	0
Portugal -----	0	4,451	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	432	875	762	391
Spain -----	40,302	37,258	22,798	25,139
Trinidad and Tobago -----	43,094	11,312	9,563	5,070
Venezuela -----	4,471	8,916	7,255	1,041
Yugoslavia -----	0	0	0	0
Total-----	720,504	754,154	449,613	351,845
Other countries:				
Canada -----	390,071	360,096	228,415	252,903
Turkey -----	61,072	126,791	113,469	18,498
Indonesia -----	97,932	84,414	56,397	24,510
Singapore -----	60,425	81,904	41,516	18,847
Sweden -----	10,079	18,464	14,087	2,403
Saudi Arabia -----	42,619	17,972	14,370	0
Taiwan -----	15,798	16,843	8,090	12,410
Egypt -----	0	11,114	96	23
Malaysia -----	47,789	2,355	2,355	0
Israel -----	131	372	0	0
All others-----	2,300	144	2/	22
Total-----	728,216	720,469	478,795	329,616
Grand total-----	1,448,720	1,474,623	928,408	681,461

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	1,983	2,103	1,643	2,052
Austria -----	179	248	111	303
Brazil -----	12,145	16,380	11,155	7,043
Czechoslovakia -----	2,164	3,234	1,744	0
East Germany -----	2,585	3,547	2,192	2,144
EC countries-----	84,580	97,970	55,797	39,457
Finland -----	692	741	741	35
Hungary -----	557	0	0	0
Japan -----	103,044	124,039	68,609	71,021
Mexico -----	14,093	15,344	7,926	5,877
Peoples Rep of China -----	0	9	9	7
Poland -----	0	1,612	1,612	0
Portugal -----	0	1,123	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	179	389	333	238
Spain -----	11,411	10,435	6,148	7,276
Trinidad and Tobago -----	9,538	3,293	2,660	1,472
Venezuela -----	1,014	2,000	1,680	289
Yugoslavia -----	0	0	0	0
Total-----	244,164	282,467	162,360	137,214
Other countries:				
Canada -----	127,412	130,836	81,636	91,942
Turkey -----	13,673	32,337	28,892	5,253
Indonesia -----	21,082	20,363	12,768	6,724
Singapore -----	14,388	21,983	10,650	6,148
Sweden -----	6,215	9,831	6,512	1,981
Saudi Arabia -----	8,616	3,719	2,843	0
Taiwan -----	6,199	6,764	3,293	5,413
Egypt -----	0	2,650	21	7
Malaysia -----	11,059	622	622	0
Israel -----	30	106	0	0
All others-----	478	131	1	11
Total-----	209,152	229,342	147,238	117,479
Grand total-----	453,316	511,809	309,598	254,693

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	4,963	4,488	2,129	2,560
Austria -----	2,484	1,731	950	1,043
Brazil -----	10,577	14,128	11,085	6,949
Czechoslovakia -----	0	0	0	24
East Germany -----	89	0	0	0
EC countries -----	174,468	168,458	108,568	91,073
Finland -----	400	476	334	59
Hungary -----	57	0	0	0
Japan -----	96,684	78,468	47,937	41,840
Mexico -----	3,991	2,712	1,516	625
Peoples Rep of China -----	7,302	9,720	4,310	6,439
Poland -----	2	116	19	74
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	187	0	0	0
Korea, Republic of -----	8,226	7,736	3,740	3,535
Spain -----	40	22	22	75
Trinidad and Tobago -----	1,435	1,060	1,040	0
Venezuela -----	7,717	5,996	4,650	1,820
Yugoslavia -----	42	3	0	0
Total -----	318,664	295,114	186,300	156,116
Other countries:				
Canada -----	194,819	193,243	117,053	111,268
Sweden -----	7,745	7,532	4,474	4,430
Taiwan -----	3,217	4,897	2,903	2,073
India -----	2,572	4,108	2,193	3,423
Saudi Arabia -----	0	4,000	0	0
Switzerland -----	1,372	2,591	1,399	1,374
Argentina -----	1,170	2,491	1,319	5,436
Chile -----	1,379	2,146	1,581	1,610
Ecuador -----	18	1,430	518	1,624
Norway -----	2,476	1,312	774	598
All others -----	3,464	865	521	1,612
Total -----	218,232	224,615	132,735	133,448
Grand total -----	536,896	519,729	319,035	289,564

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	2,329	2,018	983	1,158
Austria -----	3,613	2,584	1,573	1,643
Brazil -----	4,944	6,207	4,747	3,683
Czechoslovakia -----	0	0	0	16
East Germany -----	24	0	0	0
EC countries-----	129,054	141,173	89,194	82,094
Finland -----	170	231	152	17
Hungary -----	17	0	0	0
Japan -----	64,973	61,637	36,102	35,527
Mexico -----	1,681	1,320	708	409
Peoples Rep of China -----	2,868	4,165	1,857	2,851
Poland -----	3	59	10	39
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	85	0	0	0
Korea, Republic of -----	4,882	4,667	2,261	2,224
Spain -----	33	37	37	87
Trinidad and Tobago -----	448	354	347	0
Venezuela -----	3,802	3,096	2,347	1,164
Yugoslavia -----	24	9	0	0
Total-----	218,950	227,557	140,318	130,912
Other countries:				
Canada -----	101,960	109,405	65,239	66,740
Sweden -----	10,304	10,678	6,353	5,986
Taiwan -----	1,964	2,903	1,641	2,012
India -----	883	1,518	821	1,251
Saudi Arabia -----	0	810	0	0
Switzerland -----	898	1,525	817	889
Argentina -----	499	1,245	724	2,405
Chile -----	532	946	668	865
Ecuador -----	9	652	243	798
Norway -----	1,427	1,177	704	481
All others-----	1,385	483	263	788
Total-----	119,861	131,342	77,473	82,215
Grand total-----	338,811	358,899	217,791	213,127

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

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

Table 16.--Carbon and certain alloy $\frac{1}{2}$ steel wire products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	291	5	2	3
Austria -----	1,113	956	198	2,484
Brazil -----	10,382	15,018	7,579	7,573
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	34,544	23,220	14,799	45,927
Finland -----	0	1	2/	2/
Hungary -----	0	0	0	0
Japan -----	50,318	23,536	15,530	39,727
Mexico -----	14,577	13,693	8,708	8,384
Peoples Rep of China -----	36,253	36,866	23,386	22,795
Poland -----	19,213	16,070	9,981	8,762
Portugal -----	683	380	227	358
Romania -----	6,859	143	143	0
Republic of South Africa -----	4,340	1,550	1,550	512
Korea, Republic of -----	186,794	192,127	113,635	98,175
Spain -----	18,997	14,765	9,792	20,803
Trinidad and Tobago -----	0	94	94	0
Venezuela -----	2,683	1,352	931	9,881
Yugoslavia -----	7,882	7,314	4,178	3,121
Total-----	394,929	347,090	210,733	268,505
Other countries:				
Canada -----	106,028	98,251	61,136	67,960
Turkey -----	37,393	23,631	11,670	6,588
United Arab Emirates -----	7,787	20,059	11,082	9,881
Indonesia -----	11,116	18,621	9,608	12,826
Argentina -----	12,069	18,002	9,469	10,157
Taiwan -----	37,689	13,715	8,095	9,747
Thailand -----	20,516	8,627	3,396	13,894
Chile -----	10,919	8,459	4,577	3,731
India -----	505	4,571	1,875	4,389
Saudi Arabia -----	305	3,718	2,832	4,520
All others-----	10,123	7,707	3,919	8,309
Total-----	254,450	225,361	127,659	152,002
Grand total-----	649,379	572,451	338,392	420,507

See footnote(s) at end of table.

Table 16.--Carbon and certain alloy ^{1/} steel wire products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	249	20	15	32
Austria -----	1,973	1,556	565	5,576
Brazil -----	4,592	7,169	3,588	4,497
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	27,128	24,443	15,366	98,490
Finland -----	0	96	4	5
Hungary -----	0	0	0	0
Japan -----	46,874	28,992	18,084	77,516
Mexico -----	7,758	8,903	5,402	8,353
Peoples Rep of China -----	17,786	14,640	9,130	14,114
Poland -----	7,056	5,403	3,371	2,972
Portugal -----	820	530	306	516
Romania -----	2,424	44	44	0
Republic of South Africa -----	2,199	792	792	401
Korea, Republic of -----	128,818	138,561	77,221	85,408
Spain -----	11,866	8,752	5,612	22,015
Trinidad and Tobago -----	0	27	27	0
Venezuela -----	498	387	281	3,069
Yugoslavia -----	2,845	3,027	1,762	1,283
Total-----	262,886	243,342	141,570	324,247
Other countries:				
Canada -----	73,873	70,198	43,225	56,534
Turkey -----	12,966	8,700	4,261	3,759
United Arab Emirates -----	2,582	7,562	4,223	3,878
Indonesia -----	4,341	6,881	3,453	5,563
Argentina -----	5,105	7,943	4,066	5,277
Taiwan -----	24,306	12,448	7,052	11,388
Thailand -----	10,027	5,332	2,511	5,800
Chile -----	4,662	3,991	2,253	2,076
India -----	263	2,659	959	3,043
Saudi Arabia -----	103	1,239	960	1,627
All others-----	6,976	6,778	3,505	11,858
Total-----	145,204	133,731	76,468	110,803
Grand total-----	408,090	377,073	218,038	435,050

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

^{2/} Less than 0.5 short ton.

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

Table 17.--Carbon and certain alloy 1/2 steel structural shapes and units: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	55	139	43	279
Austria -----	377	1,541	170	411
Brazil -----	11,926	20,210	13,706	6,366
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	92
EC countries -----	645,485	732,369	409,495	395,474
Finland -----	341	118	103	2,531
Hungary -----	0	0	0	0
Japan -----	629,977	590,217	382,912	296,928
Mexico -----	17,953	24,912	13,132	9,473
Peoples Rep of China -----	8	208	34	334
Poland -----	18,559	14,059	12,932	7,975
Portugal -----	122	0	0	2/
Romania -----	0	19	0	130
Republic of South Africa -----	933	143	143	0
Korea, Republic of -----	135,070	169,302	111,641	65,552
Spain -----	177,434	171,068	83,296	112,666
Trinidad and Tobago -----	0	0	0	65
Venezuela -----	0	2/	0	50
Yugoslavia -----	0	263	135	0
Total-----	1,638,240	1,724,568	1,027,742	898,326
Other countries:				
Canada -----	398,180	338,187	208,815	147,385
Norway -----	61,316	64,361	46,345	23,584
Argentina -----	17,757	27,523	21,199	18,649
Taiwan -----	17,179	9,020	5,423	4,371
New Zealand -----	9,076	8,242	4,241	5,131
Indonesia -----	0	4,074	552	3,251
Sweden -----	2,170	3,925	1,401	790
Thailand -----	0	3,278	44	0
Singapore -----	6,702	3,129	2,194	578
Switzerland -----	131	626	520	86
All others-----	2,917	1,534	1,012	936
Total-----	515,428	463,899	291,746	204,761
Grand total-----	2,153,668	2,188,467	1,319,488	1,103,087

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	54	135	40	878
Austria -----	1,455	1,865	905	1,134
Brazil -----	4,099	8,055	5,180	2,868
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	28
EC countries -----	222,416	294,725	165,731	158,020
Finland -----	336	248	213	3,262
Hungary -----	0	0	0	0
Japan -----	189,574	228,010	142,737	121,218
Mexico -----	7,074	11,585	5,962	4,757
Peoples Rep of China -----	71	154	18	256
Poland -----	3,990	3,587	3,174	2,328
Portugal -----	78	0	0	8
Romania -----	0	11	0	55
Republic of South Africa -----	573	694	694	0
Korea, Republic of -----	59,530	84,018	56,008	26,855
Spain -----	48,816	62,180	29,684	40,178
Trinidad and Tobago -----	0	0	0	48
Venezuela -----	0	1	0	15
Yugoslavia -----	0	393	183	0
Total -----	538,066	695,661	410,529	361,908
Other countries:				
Canada -----	220,522	201,529	121,228	91,462
Norway -----	15,052	21,943	14,185	7,458
Argentina -----	4,186	7,274	5,604	5,727
Taiwan -----	9,331	5,476	3,352	4,108
New Zealand -----	9,040	8,814	5,314	5,831
Indonesia -----	0	1,173	160	951
Sweden -----	7,243	5,413	3,943	2,196
Thailand -----	0	1,711	21	0
Singapore -----	4,293	2,903	1,822	341
Switzerland -----	818	1,557	923	190
All others-----	6,366	1,349	974	1,447
Total -----	276,851	259,142	157,526	119,711
Grand total -----	814,917	954,803	568,055	481,619

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

2/ Less than 0.5 short ton.

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

Table 18.--Carbon and certain alloy 1/ steel rails and related products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	30	2	2/	2,313
Austria -----	5	703	2/	3,513
Brazil -----	2,440	4,553	1,925	1,882
Czechoslovakia -----	0	0	0	0
East Germany -----	0	1	1	0
EC countries -----	42,340	51,287	35,714	33,749
Finland -----	2/	3	3	0
Hungary -----	0	4	0	0
Japan -----	84,891	79,347	44,370	56,561
Mexico -----	46	26	2	245
Peoples Rep of China -----	45	25	25	427
Poland -----	0	0	0	105
Portugal -----	0	1,071	197	552
Romania -----	0	0	0	0
Republic of South Africa -----	879	2/	2/	0
Korea, Republic of -----	5,803	6,919	5,078	5,199
Spain -----	0	0	0	36
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	344	77	0	0
Yugoslavia -----	0	0	0	0
Total -----	136,823	144,018	87,315	104,582
Other countries:				
Canada -----	101,439	172,077	81,038	85,821
Sweden -----	7,424	3,064	2,863	303
Gabon -----	0	128	0	0
Taiwan -----	168	128	87	292
Argentina -----	6	6	6	994
India -----	0	6	0	0
Philippines -----	0	6	6	0
Honduras -----	0	2/	0	9
Norway -----	0	2/	2/	0
Colombia -----	0	0	0	44
All others -----	127	0	0	50
Total -----	109,164	175,415	84,000	87,513
Grand total -----	245,987	319,433	171,315	192,095

See footnote(s) at end of table.

Table 18.--Carbon and certain alloy ^{1/} steel rails and related products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	15	7	4	2,800
Austria -----	37	299	3	2,154
Brazil -----	2,016	3,751	1,670	1,555
Czechoslovakia -----	0	0	0	0
East Germany -----	0	5	5	0
EC countries-----	17,563	24,466	15,977	16,880
Finland -----	5	14	14	0
Hungary -----	0	25	0	0
Japan -----	34,066	38,835	20,630	30,701
Mexico -----	14	37	5	245
Peoples Rep of China -----	32	9	9	204
Poland -----	0	0	0	49
Portugal -----	0	748	127	461
Romania -----	0	0	0	0
Republic of South Africa -----	563	1	1	0
Korea, Republic of -----	1,863	2,580	1,777	2,567
Spain -----	0	0	0	157
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	70	24	0	0
Yugoslavia -----	0	0	0	0
Total-----	56,244	70,801	40,222	57,773
Other countries:				
Canada -----	20,479	50,140	26,289	37,424
Sweden -----	2,553	1,001	830	249
Gabon -----	0	67	0	0
Taiwan -----	302	294	180	483
Argentina -----	24	17	17	311
India -----	0	16	0	0
Philippines -----	0	28	28	0
Honduras -----	0	2	0	4
Norway -----	0	3	3	0
Colombia -----	0	0	0	147
All others-----	284	0	0	87
Total-----	23,642	51,568	27,347	38,705
Grand total-----	79,886	122,369	67,569	96,478

^{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 $\frac{1}{2}$ steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	11,869	12,375	7,396	4,164
Austria -----	19,766	26,408	16,285	4,455
Brazil -----	75,669	87,724	43,147	40,475
Czechoslovakia -----	6,660	7,164	4,138	960
East Germany -----	5,909	7,828	5,644	3,309
EC countries -----	383,341	458,471	299,919	259,169
Finland -----	5,968	12,755	6,600	5,359
Hungary -----	0	585	585	1,072
Japan -----	542,452	790,770	492,955	244,115
Mexico -----	137,761	131,349	77,980	55,595
Peoples Rep of China -----	2,056	18,422	7,801	48
Poland -----	7,267	8,048	6,941	3,243
Portugal -----	410	0	0	0
Romania -----	22,488	27,284	21,380	5,543
Republic of South Africa -----	40	0	0	0
Korea, Republic of -----	331,525	496,059	289,409	192,936
Spain -----	32,753	29,637	18,500	31,225
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	38,840	19,510	14,062	8,138
Yugoslavia -----	7,183	3,732	3,732	1,085
Total-----	1,631,957	2,138,121	1,316,474	860,891
Other countries:				
Canada -----	514,456	436,372	283,368	276,260
Thailand -----	93,717	148,259	92,156	31,926
Argentina -----	100,108	148,192	109,376	43,906
Taiwan -----	79,176	88,055	52,449	33,771
Singapore -----	37,408	47,545	28,540	15,924
India -----	10,848	44,486	28,953	16,343
Turkey -----	140,786	32,001	20,214	14,004
Sweden -----	30,146	26,842	18,559	10,432
Malaysia -----	13,285	22,879	15,250	2,026
Chile -----	2,077	22,048	10,643	2,212
All others-----	94,680	95,139	57,672	28,397
Total-----	1,116,687	1,111,818	717,180	475,201
Grand total-----	2,748,644	3,249,939	2,033,654	1,336,092

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	4,265	4,959	2,908	1,903
Austria -----	11,963	23,494	13,604	4,085
Brazil -----	32,186	41,170	19,947	21,746
Czechoslovakia -----	2,057	3,472	1,828	541
East Germany -----	1,862	4,115	2,021	1,391
EC countries-----	197,587	322,171	196,686	173,621
Finland -----	1,915	5,624	2,814	2,589
Hungary -----	0	266	266	458
Japan -----	295,849	597,887	357,842	191,760
Mexico -----	57,935	71,872	43,121	31,274
Peoples Rep of China -----	895	7,066	2,690	32
Poland -----	2,219	3,115	2,544	1,377
Portugal -----	157	0	0	0
Romania -----	7,377	11,018	8,486	2,101
Republic of South Africa -----	15	0	0	0
Korea, Republic of -----	137,101	239,742	134,399	96,162
Spain -----	16,510	23,994	14,507	19,072
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	13,066	7,535	5,119	3,592
Yugoslavia -----	2,462	2,036	2,036	464
Total-----	785,421	1,369,536	810,818	552,168
Other countries:				
Canada -----	254,194	266,692	173,594	172,086
Thailand -----	32,613	58,119	35,582	13,721
Argentina -----	38,060	76,641	52,817	26,182
Taiwan -----	28,607	39,591	22,617	16,834
Singapore -----	13,763	19,833	11,320	7,801
India -----	4,059	20,173	12,976	7,401
Turkey -----	43,271	14,568	8,670	5,741
Sweden -----	21,798	23,510	15,968	10,554
Malaysia -----	4,615	9,314	6,000	878
Chile -----	829	9,500	4,536	1,097
All others-----	35,348	41,391	23,158	12,827
Total-----	477,157	579,332	367,238	275,122
Grand total-----	1,262,578	1,948,868	1,178,056	827,290

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

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

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	155,092	282,061	147,508	199,922
Austria -----	116,298	134,200	68,838	37,270
Brazil -----	1,135,516	1,468,033	854,706	909,647
Czechoslovakia -----	29,792	37,280	20,188	4,365
East Germany -----	95,910	92,234	56,329	39,500
EC countries -----	5,228,372	5,666,561	3,257,693	2,719,341
Finland -----	166,202	204,209	120,625	138,554
Hungary -----	27,064	30,094	17,022	11,995
Japan -----	4,311,383	4,277,647	2,531,786	2,149,826
Mexico -----	471,462	478,207	283,499	203,943
Peoples Rep of China -----	51,081	68,735	38,207	31,606
Poland -----	91,561	89,325	73,682	36,321
Portugal -----	31,087	22,739	15,156	3,912
Romania -----	82,408	102,530	82,310	22,108
Republic of South Africa -----	30,015	1,693	1,693	512
Korea, Republic of -----	1,419,183	1,560,497	943,067	642,104
Spain -----	500,796	458,584	268,338	287,071
Trinidad and Tobago -----	62,575	31,380	20,150	19,019
Venezuela -----	170,571	169,376	117,690	44,617
Yugoslavia -----	15,394	12,734	9,467	4,217
Total-----	14,191,762	15,188,119	8,922,954	7,505,850
Other countries:				
Canada -----	3,763,701	3,373,766	2,091,819	1,864,586
Argentina -----	346,313	557,969	421,287	117,104
Sweden -----	566,885	522,294	421,064	144,773
Turkey -----	407,413	307,985	218,334	137,997
Indonesia -----	235,573	281,142	168,287	48,845
Taiwan -----	257,931	243,886	143,997	95,028
Norway -----	154,194	181,502	124,683	64,857
Thailand -----	120,179	160,176	95,610	45,838
Singapore -----	144,538	153,163	73,314	44,085
India -----	60,231	99,714	63,455	65,742
All others-----	350,185	441,075	266,517	129,099
Total-----	6,407,143	6,322,672	4,088,367	2,757,954
Grand total-----	20,598,905	21,510,791	13,011,321	10,263,804

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	70,279	118,320	61,827	84,297
Austria -----	49,477	70,268	36,924	25,615
Brazil -----	318,756	451,458	249,331	295,030
Czechoslovakia -----	7,156	11,986	6,007	1,480
East Germany -----	25,328	31,334	17,666	13,129
EC countries -----	2,044,943	2,497,803	1,403,268	1,334,239
Finland -----	51,574	81,482	47,896	54,817
Hungary -----	6,191	8,600	4,608	3,816
Japan -----	2,045,689	2,386,680	1,386,420	1,270,596
Mexico -----	172,255	220,745	127,138	99,667
Peoples Rep. of China -----	23,479	27,385	14,723	18,000
Poland -----	26,671	29,711	13,645	12,728
Portugal -----	15,163	10,575	7,588	2,586
Romania -----	25,093	36,033	28,727	7,780
Republic of South Africa -----	7,322	1,487	1,487	401
Korea, Republic of -----	608,066	743,129	442,365	312,496
Spain -----	167,216	193,629	111,020	131,266
Trinidad and Tobago -----	15,482	8,400	5,475	5,968
Venezuela -----	48,835	53,667	37,537	17,684
Yugoslavia -----	5,404	5,925	4,443	1,753
Total-----	5,734,379	6,988,617	4,018,095	3,693,348
Other countries:				
Canada -----	1,591,881	1,593,962	979,171	932,094
Argentina -----	122,372	221,780	163,210	55,791
Sweden -----	207,367	221,486	162,618	85,191
Turkey -----	123,568	93,038	63,035	44,570
Indonesia -----	56,949	81,687	46,303	16,744
Taiwan -----	104,597	109,041	62,465	54,047
Norway -----	39,717	55,371	34,679	22,895
Thailand -----	43,817	65,167	38,119	19,542
Singapore -----	42,953	50,360	24,210	17,669
India -----	22,038	42,731	26,633	25,453
All others-----	123,858	163,352	96,956	62,843
Total-----	2,479,117	2,697,975	1,697,399	1,336,839
Grand total-----	8,213,496	9,686,592	5,715,494	5,030,187

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

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

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	73	8	0
Brazil -----	13,361	1,683	430	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	6,340	3,941	2,101	910
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	3,605	1,935	1,464	267
Mexico -----	0	0	0	10
Peoples Rep of China -----	0	0	0	0
Poland -----	0	74	26	267
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 -----	368	6,683	2,535	10,321
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total -----	23,674	14,389	6,564	11,775
Other countries:				
Canada -----	25,200	33,527	18,778	23,839
Sweden -----	7,849	14,491	9,653	6,577
Israel -----	0	0	0	1/
Taiwan -----	0	0	0	1/
Total -----	33,049	48,018	28,431	30,416
Grand total -----	56,723	62,407	34,995	42,191

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	234	22	0
Brazil -----	3,904	542	142	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	4,418	6,353	3,040	656
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	3,581	2,906	2,028	526
Mexico -----	0	0	0	32
Peoples Rep of China -----	0	0	0	0
Poland -----	0	102	34	473
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 -----	1,566	6,767	3,825	7,257
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	13,469	16,904	9,091	8,944
Other countries:				
Canada -----	25,133	52,871	27,008	46,449
Sweden -----	7,692	23,240	13,967	15,741
Israel -----	0	0	0	5
Hong Kong -----	0	0	0	2
Taiwan -----	0	0	0	14
Total-----	32,825	76,111	40,975	62,211
Grand total-----	46,294	93,015	50,066	71,155

1/ Less than 0.5 short ton.

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

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	96	249	138	99
Brazil -----	36	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	5,278	7,364	3,959	6,888
Finland -----	2,369	2,730	1,846	804
Hungary -----	0	0	0	0
Japan -----	1,558	2,225	1,236	965
Mexico -----	2	0	0	4
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 -----	0	125	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-----	9,339	12,693	7,179	8,760
Other countries:				
Sweden -----	1,744	2,779	831	1,170
Canada -----	34	371	195	136
Anguilla -----	0	5	0	0
Total-----	1,778	3,155	1,026	1,306
Grand total-----	11,117	15,848	8,205	10,066

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	366	953	589	468
Brazil -----	56	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	9,256	15,635	7,359	20,512
Finland -----	3,590	6,147	3,497	2,495
Hungary -----	0	0	0	0
Japan -----	2,339	4,514	2,151	2,763
Mexico -----	2	0	0	3
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 -----	0	50	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-----	15,609	27,299	13,596	26,241
Other countries:				
Sweden -----	3,986	6,775	2,244	3,500
Canada -----	33	889	371	346
Anguilla -----	0	9	0	0
Total-----	4,019	7,673	2,615	3,846
Grand total-----	19,628	34,972	16,211	30,087

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

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	52	29	8	12
Brazil -----	550	313	241	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	41,504	46,605	26,851	29,371
Finland -----	6,296	6,045	3,698	775
Hungary -----	0	0	0	0
Japan -----	25,733	22,393	13,043	24,025
Mexico -----	18,819	8,814	5,761	6,777
Peoples Rep of China -----	21	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 -----	9,450	7,845	4,588	3,930
Spain -----	13,700	14,153	5,128	7,068
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	5	0	0
Yugoslavia -----	0	0	0	0
Total-----	116,125	106,202	59,318	71,958
Other countries:				
Sweden -----	7,493	8,433	6,530	4,000
Canada -----	4,892	3,838	2,384	1,628
India -----	341	90	90	0
Honduras -----	0	19	19	0
Peru -----	0	2	2	0
Antigua -----	1	0	0	0
Norway -----	37	0	0	0
Turkey -----	0	0	0	1/
Jordan -----	19	0	0	0
Hong Kong -----	41	0	0	0
All others-----	345	0	0	114
Total-----	13,169	12,382	9,025	5,742
Grand total-----	129,294	118,584	68,343	77,700

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	202	136	49	59
Brazil -----	675	480	369	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	65,434	91,017	46,482	65,109
Finland -----	9,834	13,459	6,911	2,280
Hungary -----	0	0	0	0
Japan -----	43,684	50,112	26,456	51,529
Mexico -----	30,157	16,454	9,275	16,992
Peoples Rep of China -----	29	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 -----	14,459	17,343	8,740	10,255
Spain -----	20,342	31,308	8,770	16,539
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	21	0	0
Yugoslavia -----	0	0	0	0
Total-----	184,816	220,330	107,052	162,763
Other countries:				
Sweden -----	17,785	24,684	16,972	14,016
Canada -----	8,019	9,552	5,491	5,249
India -----	492	172	172	0
Honduras -----	0	35	35	0
Peru -----	0	26	26	0
Antigua -----	11	0	0	0
Norway -----	16	0	0	0
Turkey -----	0	0	0	3
Jordan -----	37	0	0	0
Hong Kong -----	59	0	0	0
All others-----	464	0	0	82
Total-----	26,883	34,469	22,696	19,350
Grand total-----	211,699	254,799	129,748	182,113

1/ Less than 0.5 short ton.

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

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	94	183	150	56
Brazil -----	1,450	3,827	2,245	2,424
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	5,899	8,421	5,563	3,444
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	19,259	16,715	9,209	8,072
Mexico -----	0	49	49	0
Peoples Rep of China -----	4	2	2	0
Poland -----	0	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	18	18	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	2,582	1,604	897	1,585
Spain -----	3,826	4,285	2,579	1,672
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	33,114	35,104	20,712	17,253
Other countries:				
Sweden -----	3,200	3,708	2,453	899
Canada -----	1,269	1,641	819	345
India -----	126	224	205	42
Taiwan -----	59	49	26	59
Hong Kong -----	0	1/	0	0
Switzerland -----	66	1/	1/	4
Argentina -----	111	0	0	49
Bulgaria -----	46	0	0	0
Indonesia -----	0	0	0	2
Total-----	4,877	5,622	3,503	1,400
Grand total-----	37,991	40,726	24,215	18,653

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	257	412	341	147
Brazil -----	2,503	5,743	3,796	5,658
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	11,437	19,765	11,647	10,451
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	36,707	40,671	19,295	24,942
Mexico -----	0	163	163	0
Peoples Rep of China -----	75	40	40	0
Poland -----	0	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	30	30	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	4,294	3,389	1,598	4,555
Spain -----	6,889	10,122	5,466	4,859
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	62,162	80,335	42,376	50,612
Other countries:				
Sweden -----	6,180	8,981	5,350	3,146
Canada -----	2,136	3,608	1,661	1,215
India -----	199	420	384	92
Taiwan -----	108	162	81	166
Hong Kong -----	0	3	0	0
Switzerland -----	129	1	1	21
Argentina -----	201	0	0	87
Bulgaria -----	70	0	0	0
Indonesia -----	0	0	0	53
Total-----	9,023	13,175	7,477	4,780
Grand total-----	71,185	93,510	49,853	55,392

1/ Less than 0.5 short ton.

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

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	49	0	0
Brazil -----	874	964	754	364
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	5,482	6,898	3,782	5,468
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	5,544	5,483	3,373	3,582
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 -----	868	375	334	89
Spain -----	1,542	1,979	1,253	997
Trinidad and Tobago -----	0	138	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	17	17	0
Total-----	14,310	15,903	9,513	10,500
Other countries:				
Sweden -----	3,955	3,159	2,233	2,140
Taiwan -----	47	148	90	0
Canada -----	0	1/	0	117
Total-----	4,002	3,307	2,323	2,257
Grand total-----	18,312	19,210	11,836	12,757

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	68	0	0
Brazil -----	1,224	1,543	1,152	737
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	11,089	17,917	8,918	16,852
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	8,927	11,611	6,071	9,686
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 -----	1,150	552	489	228
Spain -----	2,539	5,122	3,084	2,986
Trinidad and Tobago -----	0	202	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	22	22	0
Total-----	24,929	37,037	19,736	30,489
Other countries:				
Sweden -----	6,995	7,916	4,770	6,981
Taiwan -----	72	328	171	0
Canada -----	0	2	0	330
Total-----	7,067	8,246	4,941	7,311
Grand total-----	31,996	45,283	24,677	37,800

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	1/	1/	1/	1/
Austria -----	37	25	5	63
Brazil -----	188	156	54	226
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	6,763	7,713	4,056	4,600
Finland -----	0	0	0	7
Hungary -----	0	0	0	0
Japan -----	4,254	4,719	2,334	2,885
Mexico -----	0	1	1	6
Peoples Rep of China -----	0	0	0	0
Poland -----	71	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	884	986	497	388
Spain -----	621	388	208	346
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	3	0	0
Yugoslavia -----	0	0	0	3
Total -----	12,818	13,991	7,155	8,524
Other countries:				
Sweden -----	2,555	2,685	1,617	1,704
Canada -----	2,043	2,277	1,465	1,432
Taiwan -----	1,462	1,221	602	823
Switzerland -----	47	268	151	276
India -----	77	209	80	608
Singapore -----	0	1/	0	0
Israel -----	65	0	0	0
Hong Kong -----	0	0	0	1/
New Zealand -----	15	0	0	0
Total -----	6,264	6,660	3,915	4,843
Grand total -----	19,082	20,651	11,070	13,367

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	64	39	16	37
Austria -----	172	117	27	307
Brazil -----	282	304	120	577
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	17,601	23,826	12,213	17,626
Finland -----	0	0	0	58
Hungary -----	0	0	0	0
Japan -----	13,957	18,705	9,107	12,032
Mexico -----	0	6	6	3
Peoples Rep of China -----	0	0	0	0
Poland -----	16	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	2,240	3,044	1,360	1,521
Spain -----	1,280	1,096	507	1,124
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	11	0	0
Yugoslavia -----	0	0	0	4
Total-----	35,612	47,148	23,356	33,289
Other countries:				
Sweden -----	10,548	12,922	7,111	9,542
Canada -----	6,960	9,650	5,762	7,678
Taiwan -----	3,797	3,824	1,697	2,794
Switzerland -----	170	1,254	577	1,315
India -----	159	414	157	1,422
Singapore -----	0	5	0	0
Israel -----	85	0	0	0
Hong Kong -----	0	0	0	4
New Zealand -----	49	0	0	0
Total-----	21,768	28,069	15,304	22,755
Grand total-----	57,380	75,217	38,660	56,044

1/ Less than 0.5 short ton.

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

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	23	12	0
Austria -----	395	756	487	455
Brazil -----	0	0	0	6
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	4,430	6,694	4,491	8,845
Finland -----	0	1/	1/	0
Hungary -----	0	0	0	0
Japan -----	7,208	8,365	5,599	5,360
Mexico -----	781	950	545	257
Peoples Rep of China -----	0	0	0	4
Poland -----	0	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	1/
Korea, Republic of -----	517	392	235	329
Spain -----	88	388	177	778
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	13,419	17,568	11,546	16,034
Other countries:				
Canada -----	5,432	6,925	4,743	3,984
Taiwan -----	3,571	6,809	3,762	1,680
Sweden -----	4,016	5,253	3,392	2,867
Thailand -----	0	188	33	221
India -----	0	4	0	5
Israel -----	1/	4	3	1/
Switzerland -----	2	1	1/	6
New Zealand -----	0	1/	0	0
Norway -----	1/	0	0	1/
Malaysia -----	1/	0	0	9
All others-----	6	0	0	0
Total-----	13,027	19,184	11,933	8,772
Grand total-----	26,446	36,752	23,479	24,806

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	135	58	0
Austria -----	1,637	4,157	2,283	3,604
Brazil -----	0	0	0	27
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	14,405	25,735	16,378	29,471
Finland -----	0	1	1	0
Hungary -----	0	0	0	0
Japan -----	22,587	31,923	19,482	29,399
Mexico -----	1,654	2,891	1,458	831
Peoples Rep of China -----	0	0	0	12
Poland -----	0	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	4
Korea, Republic of -----	1,412	1,255	727	1,173
Spain -----	282	1,726	644	3,834
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	41,977	67,823	41,031	68,355
Other countries:				
Canada -----	17,196	24,048	14,725	19,378
Taiwan -----	9,190	21,308	9,617	6,905
Sweden -----	12,414	22,285	13,294	15,719
Thailand -----	0	458	75	518
India -----	0	17	0	20
Israel -----	49	77	49	2
Switzerland -----	168	177	100	118
New Zealand -----	0	2	0	0
Norway -----	2	0	0	4
Malaysia -----	2	0	0	30
All others-----	21	0	0	0
Total-----	39,042	68,372	37,860	42,694
Grand total-----	81,019	136,195	78,891	111,049

1/ Less than 0.5 short ton.

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

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	19	0	0	18
Austria -----	2,693	2,538	1,503	1,523
Brazil -----	997	1,920	1,232	1,550
Czechoslovakia -----	0	21	2	0
East Germany -----	0	4	0	0
EC countries-----	10,302	12,795	8,028	18,934
Finland -----	22	5	0	0
Hungary -----	0	0	0	67
Japan -----	6,077	4,416	2,562	11,775
Mexico -----	139	346	322	88
Peoples Rep of China -----	1/	103	48	70
Poland -----	304	249	150	202
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,388	779	599	767
Spain -----	47	30	5	42
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	21,988	23,206	14,451	35,036
Other countries:				
Sweden -----	11,669	12,254	7,890	15,360
Canada -----	6,868	8,573	5,147	6,089
Argentina -----	70	42	42	143
India -----	0	19	0	1/
Switzerland -----	1/	1/	0	0
United Arab Emirates -----	0	0	0	179
Malaysia -----	2	0	0	0
Taiwan -----	1/	0	0	0
Total-----	18,609	20,888	13,079	21,771
Grand total-----	40,597	44,094	27,530	56,807

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	31	0	0	41
Austria -----	5,895	6,561	3,904	4,373
Brazil -----	1,349	3,560	2,358	2,413
Czechoslovakia -----	0	33	12	0
East Germany -----	0	6	0	0
EC countries -----	18,504	23,173	14,545	25,549
Finland -----	37	15	0	0
Hungary -----	0	0	0	30
Japan -----	12,370	14,883	9,437	15,045
Mexico -----	142	434	400	122
Peoples Rep of China -----	4	149	78	87
Poland -----	454	468	256	484
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	2,097	1,303	990	1,141
Spain -----	54	40	24	60
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	40,937	50,625	32,004	49,345
Other countries:				
Sweden -----	28,049	30,589	18,617	25,339
Canada -----	9,342	12,019	6,959	8,049
Argentina -----	122	65	65	159
India -----	0	16	0	4
Switzerland -----	2	2	0	0
United Arab Emirates -----	0	0	0	149
Malaysia -----	1	0	0	0
Taiwan -----	1	0	0	0
Total-----	37,517	42,691	25,641	33,700
Grand total-----	78,454	93,316	57,645	83,045

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce. 49

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

Item	1987	1988	January--July	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	20	24	12	19
Austria -----	3,368	3,901	2,299	2,208
Brazil -----	17,456	8,863	4,956	4,571
Czechoslovakia -----	0	21	2	0
East Germany -----	0	4	0	0
EC countries -----	85,998	100,430	58,831	78,460
Finland -----	8,687	8,780	5,545	1,586
Hungary -----	0	0	0	67
Japan -----	73,238	66,251	38,819	56,931
Mexico -----	19,741	10,160	6,679	7,141
Peoples Rep of China -----	26	106	51	74
Poland -----	375	323	176	469
Portugal -----	0	0	0	0
Romania -----	0	18	18	0
Republic of South Africa -----	0	0	0	1/
Korea, Republic of -----	15,689	12,105	7,150	7,087
Spain -----	20,193	27,906	11,884	21,224
Trinidad and Tobago -----	0	138	0	0
Venezuela -----	0	7	0	0
Yugoslavia -----	0	17	17	3
Total -----	244,791	239,054	136,439	179,840
Other countries:				
Canada -----	45,739	57,153	33,532	37,571
Sweden -----	42,482	52,761	34,600	34,715
Taiwan -----	5,484	8,227	4,480	2,677
India -----	544	546	375	656
Switzerland -----	116	270	151	286
Thailand -----	0	188	33	221
Argentina -----	181	42	42	193
Honduras -----	0	19	19	0
Anguilla -----	0	5	0	0
Israel -----	65	4	3	1/
All others -----	167	4	2	191
Total -----	94,778	119,219	73,237	76,510
Grand total -----	339,569	358,273	209,676	256,350

See footnote(s) at end of table.

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

Item	1987	1988	January--July	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	95	174	74	78
Austria -----	8,529	12,639	7,216	8,956
Brazil -----	9,993	12,173	7,938	9,413
Czechoslovakia -----	0	33	12	0
East Germany -----	0	6	0	0
EC countries-----	152,144	223,422	120,583	186,225
Finland -----	13,461	19,623	10,409	4,833
Hungary -----	0	0	0	30
Japan -----	144,150	175,325	94,027	145,922
Mexico -----	31,955	19,948	11,302	17,982
Peoples Rep of China -----	108	189	118	99
Poland -----	470	570	289	957
Portugal -----	0	0	0	0
Romania -----	0	30	30	0
Republic of South Africa -----	0	0	0	4
Korea, Republic of -----	25,652	26,936	13,904	18,872
Spain -----	32,952	56,181	22,319	36,660
Trinidad and Tobago -----	0	202	0	0
Venezuela -----	0	32	0	0
Yugoslavia -----	0	22	22	4
Total-----	419,509	547,505	288,243	430,035
Other countries:				
Canada -----	68,819	112,639	61,977	88,694
Sweden -----	93,649	137,391	82,324	93,982
Taiwan -----	13,631	25,622	11,565	9,962
India -----	851	1,039	713	1,538
Switzerland -----	469	1,434	678	1,454
Thailand -----	0	458	75	518
Argentina -----	323	65	65	247
Honduras -----	0	35	35	0
Anguilla -----	0	9	0	0
Israel -----	134	77	49	6
All others-----	269	35	26	245
Total-----	178,145	278,804	157,507	196,646
Grand total-----	597,654	826,309	445,750	626,681

1/ Less than 0.5 short tons

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

Item	1987		1988		January-July	
Carbon and certain alloy 1/ steel:						
Semifinished 2/-----	211	240			232	258
Plate-----	332	405			391	404
Sheet and strip:						
Hot rolled-----	308	364			352	383
Cold rolled-----	449	509			499	553
Galvanized-----	503	552			543	574
Tin plate-----	533	567			557	608
Tin free-----	509	542			531	565
Other coated-----	528	590			584	603
Average, sheet and strip:	433	481			474	513
Bar:						
Hot finished-----	369	406			397	434
Cold finished-----	831	598			575	642
Reinforcing-----	248	262			246	303
Light shapes-----	315	382			369	352
Average, bar-----	400	396			390	421
Wire rod-----	313	347			333	374
Wire-----	631	691			683	736
Wire products-----	628	659			644	1,035
Structural shapes and units:						
Heavy structurals-----	304	376			369	377
Fabricated structurals-----	898	939			923	1,080
Average, structurals-----	378	436			431	437
Rails and related products:	325	383			394	502
Pipe and tube:						
Oil country tubular goods-----	536	730			714	785
Line pipe-----	421	529			507	574
Mechanical pipe-----	623	675			641	717
Structural pipe-----	368	507			483	567
Pressure tubing-----	688	793			685	946
Other (incl. standard)-----	415	487			472	512
Average, pipe and tube-----	439	600			579	619
Average, carbon and certain alloy 1/ steel-----	399	450			439	490

See footnotes at end of table.

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

Item	1987		1988		January-July	
					1988	1989
Stainless and alloy tool steel:						
Stainless steel:						
Semifinished 2/	816	1,490	1,431	1,686		
Plate	1,766	2,207	1,976	2,989		
Sheet and strip:						
Sheet	1,566	2,067	1,815	2,175		
Strip	2,555	3,331	2,965	3,265		
Average, sheet and strip:	1,637	2,149	1,898	2,344		
Bars and shapes	1,874	2,296	2,059	2,970		
Wire rod	1,747	2,357	2,085	2,963		
Pipe and tube	3,007	3,642	3,492	4,193		
Alloy tool steel (all forms):	3,063	3,706	3,360	4,477		
Average, stainless and alloy steel	1,932	2,116	2,094	1,462		
	1,760	2,306	2,126	2,445		

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

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

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

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1987, 1988, and by specified periods, 1988 and 1989

Item	January-July			
	1987	1988	1988	1989
	Quantity (short tons)			
Carbon and certain alloy <u>3/</u> steel:				
Semifinished <u>2/</u>				
Ingots-----	103,967	103,282	74,728	22,150
Blooms and billets-----	426,208	581,907	370,192	328,801
Slabs and sheet bars-----	1,702,095	2,097,383	1,327,157	946,613
Total-----	2,232,270	2,782,572	1,772,076	1,297,564
Plate:				
Carbon-----	1,450,898	1,750,917	1,083,416	734,398
Alloy-----	104,678	106,172	65,022	59,107
Total-----	1,555,577	1,857,090	1,148,438	793,505
Sheet and strip:				
Hot rolled:				
Sheet-----	2,123,804	2,199,268	1,222,865	978,467
Strip-----	43,197	49,553	25,525	61,281
Cold rolled:				
Black plate-----	159,779	145,166	77,757	85,667
Electrical-----	64,822	64,684	38,370	49,845
Other sheet-----	2,156,348	2,011,242	1,177,546	914,984
Other strip-----	135,227	126,534	79,574	67,498
Galvanized-----	2,306,233	1,948,811	1,238,458	895,430
Tin plate-----	332,306	294,552	165,731	205,986
Tin free-----	101,172	97,460	50,676	65,510
Other coated-----	323,709	248,111	145,974	142,905
Total-----	7,746,596	7,185,380	4,222,476	3,467,574
Bar:				
Hot rolled:				
Carbon-----	443,037	476,951	271,294	235,486
Alloy-----	160,811	186,902	111,787	89,014
Cold rolled:				
Carbon-----	152,283	161,345	98,495	74,568
Alloy-----	40,927	52,093	29,269	28,299
Reinforcing-----	351,632	357,253	171,228	185,716
Light structural shapes-----	132,477	126,568	75,964	69,273
Total-----	1,281,168	1,361,113	758,036	682,357

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January-July	
			1988	1989
Quantity (short tons)				
Wire rod and related products:				
Wire rod:				
Carbon-----	1,341,257	1,355,951	859,974	615,577
Alloy-----	107,463	118,672	68,436	65,883
Wire:				
Carbon-----	504,898	486,699	299,662	265,406
Alloy-----	31,999	33,028	19,373	24,157
Wire products:				
Nails-----	440,746	364,748	223,301	213,661
Barbed wire-----	16,643	15,538	10,054	8,466
Wire fencing-----	13,263	12,052	7,744	31,228
Bale ties-----	1,719	1,849	1,099	668
Wire strand-----	98,898	88,300	47,871	95,947
Wire rope-----	65,683	77,564	40,263	70,538
Milliners wire-----	12,426	12,400	8,064	1/
Total-----	2,634,993	2,566,801	1,585,839	1,391,531
Structurals:				
Heavy-----	1,884,684	1,955,762	1,173,319	1,009,271
Fabricated-----	268,985	232,705	146,167	93,818
Total-----	2,153,669	2,188,467	1,319,487	1,103,090
Rails and related products:				
Rails-----	213,530	260,006	134,697	142,944
Joint bars and tie plates-----	13,969	8,487	7,588	11,251
Track spikes-----	370	205	199	4,396
Wheels and axles-----	18,120	50,734	28,834	33,503
Total-----	245,988	319,432	171,317	192,093
Pipes and tubes:				
Oil country tubular goods-----	594,463	1,032,296	647,066	216,206
Line pipe-----	526,047	507,914	323,619	289,899
Mechanical pipe-----	284,807	382,270	245,946	204,287
Structural pipe-----	428,758	278,870	177,178	196,918
Pressure tubing-----	27,122	52,100	31,779	31,112
Other (including standard)-----	887,446	996,487	608,067	397,667
Total-----	2,748,644	3,249,937	2,033,654	1,336,089

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January-July	
			1988	1989
Quantity (short tons)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	1,106	3,877	2,430	64
Blooms and billets-----	48,955	40,772	22,725	25,925
Slabs and sheet bars-----	6,664	17,758	9,840	16,203
Total-----	56,725	62,407	34,995	42,192
Plate-----	11,118	15,847	8,205	10,066
Sheet and strip:				
Sheet:				
Hot rolled-----	5,179	7,331	3,599	4,477
Cold rolled-----	114,806	103,577	59,759	61,194
Strip-----	9,309	7,676	4,985	12,028
Total-----	129,295	118,584	68,343	77,700
Bars and shapes-----	37,991	40,724	24,215	18,652
Wire rod-----	18,311	19,210	11,837	12,756
Wire-----	19,084	20,653	11,070	13,367
Pipe and tube-----	26,448	36,752	23,480	24,806
Alloy tool steel (all forms):				
Semifinished 2/-----	6,880	4,408	2,735	788
Bars-----	19,792	28,867	18,058	913
Other-----	13,927	10,820	6,738	55,107
Total-----	40,599	44,095	27,530	56,808

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January-July	
			1988	1989
Share of product group totals (percent)				
Carbon and certain alloy <u>3/</u> steel:				
Semifinished <u>2/</u>				
Ingots-----	4.66	3.71	4.22	1.71
Blooms and billets-----	19.09	20.91	20.89	25.34
Slabs and sheet bars-----	76.25	75.38	74.89	72.95
Total-----	100.00	100.00	100.00	100.00
Plate:				
Carbon-----	93.27	94.28	94.34	92.55
Alloy-----	6.73	5.72	5.66	7.45
Total-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Hot rolled:				
Sheet-----	27.42	30.61	28.96	28.22
Strip-----	0.56	0.69	0.60	1.77
Cold rolled:				
Black plate-----	2.06	2.02	1.84	2.47
Electrical-----	0.84	0.90	0.91	1.44
Other sheet-----	27.84	27.99	27.89	26.39
Other strip-----	1.75	1.76	1.88	1.95
Galvanized-----	29.77	27.12	29.33	25.82
Tin plate-----	4.29	4.10	3.92	5.94
Tin free-----	1.31	1.36	1.20	1.89
Other coated-----	4.18	3.45	3.46	4.12
Total-----	100.00	100.00	100.00	100.00
Bar:				
Hot rolled:				
Carbon-----	34.58	35.04	35.79	34.51
Alloy-----	12.55	13.73	14.75	13.05
Cold rolled:				
Carbon-----	11.89	11.85	12.99	10.93
Alloy-----	3.19	3.83	3.86	4.15
Reinforcing-----	27.45	26.25	22.59	27.22
Light structural shapes-----	10.34	9.30	10.02	10.15
Total-----	100.00	100.00	100.00	100.00

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January-July	
			1988	1989
Share of product group totals (percent)				
Wire rod and related products:				
Wire rod:				
Carbon-----	50.90	52.83	54.23	44.24
Alloy-----	4.08	4.62	4.32	4.73
Wire:				
Carbon-----	19.16	18.96	18.90	19.07
Alloy-----	1.21	1.29	1.22	1.74
Wire products:				
Nails-----	16.73	14.21	14.08	15.35
Barbed wire-----	0.63	0.61	0.63	0.61
Wire fencing-----	0.50	0.47	0.49	2.24
Bale ties-----	0.07	0.07	0.07	0.05
Wire strand-----	3.75	3.44	3.02	6.90
Wire rope-----	2.49	3.02	2.54	5.07
Milliners wire-----	0.47	0.48	0.51	1/
Total-----	100.00	100.00	100.00	100.00
Structurals:				
Heavy-----	87.51	89.37	88.92	91.49
Fabricated-----	12.49	10.63	11.08	8.51
Total-----	100.00	100.00	100.00	100.00
Rails and related products:				
Rails-----	86.80	81.40	78.62	74.41
Joint bars and tie plates-----	5.68	2.66	4.43	5.86
Track spikes-----	0.15	0.06	0.12	2.29
Wheels and axles-----	7.37	15.88	16.83	17.44
Total-----	100.00	100.00	100.00	100.00
Pipes and tubes:				
Oil country tubular goods-----	21.63	31.76	31.82	16.18
Line pipe-----	19.14	15.63	15.91	21.70
Mechanical pipe-----	10.36	11.76	12.09	15.29
Structural pipe-----	15.60	8.58	8.71	14.74
Pressure tubing-----	0.99	1.60	1.56	2.33
Other (including standard)-----	32.29	30.66	29.90	29.76
Total-----	100.00	100.00	100.00	100.00

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January-July	
			1988	1989
Share of product group totals (percent)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	1.95	6.21	6.94	0.15
Blooms and billets-----	86.30	65.33	64.94	61.44
Slabs and sheet bars-----	11.75	28.45	28.12	38.40
Total-----	100.00	100.00	100.00	100.00
Plate-----	100.00	100.00	100.01	100.00
Sheet and strip:				
Sheet:				
Hot rolled-----	4.01	6.18	5.27	5.76
Cold rolled-----	88.79	87.34	87.44	78.76
Strip-----	7.20	6.47	7.29	15.48
Total-----	100.00	100.00	100.00	100.00
Bars and shapes-----	100.00	100.00	100.00	100.00
Wire rod-----	100.00	100.00	100.00	100.00
Wire-----	100.00	100.00	100.00	100.00
Pipe and tube-----	100.00	100.00	100.00	100.00
Alloy tool steel (all forms):				
Semifinished ^{2/} -----	16.95	10.00	9.93	1.39
Bars-----	48.75	65.47	65.59	1.61
Other-----	34.30	24.54	24.47	97.01
Total-----	100.00	100.00	100.00	100.00

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

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

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

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

Table 32.--Steel mill products and certain fabricated steel products:
U.S. imports for consumption, by customs areas, 1987, 1988, and by
specified periods, 1988 and 1989

(Short tons)

Item	January-July		
	1987	1988	1989
Atlantic Coast	4,673,187	4,743,215	3,094,018
Great Lakes-Canadian border	6,594,724	6,342,613	3,334,245
Gulf Coast-Mexican border	4,930,247	5,938,464	3,854,555
Off-shore	374,262	403,506	191,413
Pacific Coast	4,366,054	4,441,267	2,746,768
Total	20,938,473	21,869,065	13,220,999
			2,333,127
			10,320,151

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

Table 33.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Atlantic Coast customs area, 1987, 1988, and by specified periods, 1988 and 1989

(Short tons)

Item	January-July	
	1988	1989
Carbon and certain alloy 1/ steel:		
Semifinished 2/		
Plate	384,562	471,964
Sheet and strip	258,880	331,537
Bars and certain shapes	1,900,352	1,771,637
Wire rod	222,035	220,708
Wire	310,731	297,606
Wire products	119,558	108,857
Structural shapes and units	266,335	220,011
Rails and related products	581,450	602,240
Pipe and tube	25,273	36,885
Total	462,953	523,784
Total	4,531,600	4,585,229
Stainless and alloy tool steel:		
Stainless steel:		
Semifinished 2/		
Plate	15,595	24,249
Sheet and strip	4,167	6,134
Bars and certain shapes	42,918	45,874
Wire rod	19,945	22,371
Wire	13,117	13,526
Pipe and tube	10,337	10,593
Tool steel (all forms)	10,147	12,391
Total	25,340	22,848
Total	14,259	17,811
Total	4,673,187	4,743,215
Grand Total	9,204,787	9,328,444
	3,094,018	2,302,540

1/ Certain alloy refers to alloy steel other than stainless or tool steel.
 2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.
 Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 35.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Gulf Coast-Mexican border customs area, 1987, 1988, and by specified periods, 1988 and 1989
(Short tons)

Item	1987		1988		January-July	
			1988		1988	1989
Carbon and certain alloy 1/ steel:						
Semifinished 2/						
Plate	866,421	1,061,770	752,511	513,490		
Sheet and strip	419,658	567,614	387,296	255,565		
Bars and certain shapes	1,515,943	1,558,244	998,967	784,188		
Wire rod	257,709	349,946	81,494	82,889		
Wire products	76,094	64,524	236,256	151,881		
Structural shapes and units	107,410	105,823	38,217	37,041		
Rails and related products	473,758	493,074	64,030	82,601		
Pipe and tube	61,358	64,016	288,589	227,393		
Total	959,115	1,493,874	945,137	536,025		
	4,868,139	5,895,942	3,827,053	2,723,195		
Stainless and alloy tool steel:						
Stainless steel:						
Semifinished 2/						
Plate	13,974	3,131	1,878	7,428		
Sheet and strip	2,714	3,233	2,151	2,281		
Bars and certain shapes	29,042	16,038	11,091	14,894		
Wire rod	5,951	6,668	3,744	2,992		
Wire	1,117	1,220	699	1,002		
Pipe and tube	1,350	606	369	704		
Tool steel (all forms)	6,665	10,896	6,949	7,914		
Total	1,295	730	622	982		
	62,108	42,523	27,503	38,108		
Grand Total	4,930,247	5,938,464	3,854,555	2,761,393		

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

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

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

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

Item	January-July		
	1987	1988	1989
Carbon and certain alloy 1/ steel:			
Semifinished 2/	0	3/	0
Plate	6,693	13,906	6,348
Sheet and strip	90,238	72,445	32,936
Bars and certain shapes	164,360	157,820	73,799
Wire rod	11,940	16,953	12,538
Wire	11,147	14,739	8,472
Wire products	7,285	10,190	6,181
Structural shapes and units	22,499	21,786	9,579
Rails and related products	445	88	8
Pipe and tube	58,545	93,829	40,712
Total	373,131	401,758	190,573
Stainless and alloy tool steel:			
Stainless steel:			
Semifinished 2/	0	3/	0
Plate	0	3/	0
Sheet and strip	1	0	0
Bars and certain shapes	0	15	15
Wire rod	0	0	0
Wire	1,074	1,690	782
Pipe and tube	36	42	42
Tool steel (all forms)	0	0	0
Total	1,111	1,748	840
Grand Total	374,262	403,506	191,413
			255,475

1/ Certain alloy refers to alloy steel other than stainless or tool steel.
2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.
3/ Less than 0.5 short tons.

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

Table 37.---Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Pacific Coast customs area, 1987, 1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1987		1988		January-July	
			1988		1988	1989
Carbon and certain alloy 1/ steel:						
Semifinished 2/						
Plate	482,436	833,859	535,657	371,329		
Sheet and strip	206,851	250,352	146,979	122,725		
Bars and certain shapes	1,610,768	1,386,590	831,763	779,400		
Wire rod	201,894	219,758	115,116	71,232		
Wire	303,270	265,048	167,692	110,552		
Wire products	78,972	78,336	48,693	44,270		
Structural shapes and units	172,890	152,677	85,763	120,974		
Rails and related products	509,959	568,943	339,754	303,506		
Pipe and tube	51,183	38,461	24,614	28,914		
Total	7,043,321	699,871	421,820	252,647		
	4,322,545	4,393,893	2,719,850	2,205,548		
Stainless and alloy tool steel:						
Semifinished 2/						
Plate	7	61	44	0		
Sheet and strip	2,266	3,233	1,682	1,171		
Bars and certain shapes	23,178	22,749	12,989	15,020		
Wire rod	7,925	7,573	4,223	4,220		
Wire	3,030	3,803	2,293	1,673		
Pipe and tube	1,508	1,711	790	1,149		
Tool steel (all forms)	3,465	5,590	3,099	2,310		
Total	2,132	2,653	1,799	2,037		
	43,511	47,373	26,918	27,518		
Grand Total	4,366,056	4,441,267	2,746,768	2,233,127		

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

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

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

Appendix A

**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 and which contains by weight 2 percent or less of carbon. Steel may contain other elements, but iron must predominate, by weight, over each of the other elements.

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

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

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

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

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

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

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

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

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

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

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

9. Semifinished products include:

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

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

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

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

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

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

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

(C) Carbon and certain alloy slabs and sheet bars; provided for in items 7207.12.0050, 7207.20.0045, 7224.90.0050, 7224.90.0070 of the HTS.

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

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

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

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

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

(i) Plates.--Flat rolled products whether or not corrugated or crimped, in coils or cut to length. Plates are 4.7625 mm inch or more in thickness and, if not cold rolled, over 20.32 cm in width, or if cold rolled, over 30.45 cm in width. Plates are included in AISI product group No. 6. For the purposes of this investigation, plates are classified as follows:

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

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

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

(ii) Sheets and strip.--Flat rolled products whether or not corrugated or crimped, in coils or cut to length. Sheet is less than 4.7625 mm in thickness and over 30.48 cm inches in width. Strip is less than 4.7625 mm in thickness, not over 30.48 cm in width and, if cold rolled, over 1.27 cm 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:

(A) Hot-rolled carbon and alloy sheet--provided for in items 7208.13.1000, 7208.13.1350, 7208.14.1000, 7208.14.5000, 7208.23.1000, 7208.23.5030, 7208.23.5090, 7208.24.1000, 7208.24.5030, 7208.24.5090, 7208.34.1000, 7208.34.5000, 7208.35.1000, 7208.35.5000, 7208.44.0000, 7208.45.0000, 7225.30.7000, 7225.40.7000 of the HTS.

(B) Hot-rolled carbon and alloy strip; provided for in items 7211.19.1000, 7211.19.5000, 7211.29.1000, 7211.29.3000, 7211.29.5000, 7211.297030, 7211.29.7060, 7211.29.7090, 7226.91.7000 and 7226.91.8000 of the HTS.

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

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

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

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

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

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

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

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

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

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

(I) Stainless steel cold-rolled sheet; provided for in items 7219.32.0015, 7219.32.0030, 7219.32.0045, 7219.32.0060, 7219.33.0010, 7219.33.0015, 7219.33.0030, 7219.33.0045, 7219.33.0060, 7219.34.0010, 7219.34.0050, 7219.35.0010, and 7219.35.0050 of the HTS.

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

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

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

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

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

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

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

(iii) Cold-formed carbon bars; provided for in items 7215.100000, 7215.20.0000, 7215.30.0000, 7215.40.0000, 7215.90.3000 and 7215.90.5000 of the HTS, and included in AISI product group No. 16.

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

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

(vi) Light structural shapes; which are bar-size light shapes having a cross-sectional dimension of less than 7.62 cm provided for in items 7216.10.0010, 7216.10.0050, 7216.21.0000, 7216.22.0000, 7228.70.3060, and 7228.70.3080 of the HTS, and included in AISI product group No. 14A.

(vii) Stainless steel bars and shapes; provided for in items 7221.10.0000, 7221.00.0060, 7221.00.0080, 7222.20.0030, 7222.20.0060, 7222.30.0000, 7222.40.3060, 7222.40.3080 of the HTS.

12. Wire rod and related products include:

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

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

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

(B) Alloy steel wire rod; provided for in items 7227.20:0000, and 7227.90.6000 of the HTS.

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

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

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

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

(B) Alloy steel wire; provided for in items 7229.20.000, 7229.90.1000, 7229.90.5015, 7229.90.5030, 7229.90.5050, 7229.90.9000 of the HTS.

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

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

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

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

(C) Wire expanded metal, grill and fencing include whether or not galvanized wholly of round wire with a maximum cross-sectional diameter of 3 mm or more, having a mesh size of 100 cm³ or more, whether or not such wire is covered with plastics; as provided for in items 7314.20.0000, 7314.30.1000, 7314.30.5000, 7314.41.1000, 7314.42.0000, 7314.49.3000, 7314.49.6000, and 7314.50.0000 of the HTS. The products are included in AISI product group No. 50.

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

(E) Wire strand is two or more wires which together constitute one of the parts which are twisted together to form rope, cord, or cordage, suitable for fencing purposes, not fitted with fittings, not made up into articles, not of brass plated wire, not covered with nonmetallic material, as provided for in items 7312.10.1030, 7312.10.1060, 7312.10.3005, 7312.10.3015, 731.10.3045 7312.10.3065, 7312.10.3075, and 7312.10.3090 of the HTS. Wire strand is included in AISI product group No. 41.

(F) Wire ropes, cables, and cordage are products made by the twisting of a number of wire strands and are not covered with nonmetallic material, not fitted with fittings, not made up into articles, and, if valued 13 cents or more per pound, not of brass plated wire; as provided for in items 7312.10.6000, 7312.10.8000, 7312.10.9030, 7312.10.9060, and 7312.10.9090 of the HTS. Wire ropes, cables, and cordage are included in AISI product group No. 47.

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

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

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

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

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

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

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

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

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

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

(ii) Line pipe; provided for in items 7304.101020, 7304.10.1050, 7304.10.1080, 7304.10.5020, 7304.10.5050, 7304.10.5080, 7305.11.1030, 7305.11.1060, 7305.11.5000, 7305.12.1030, 7305.12.1060, 7305.12.5000, 7305.19.1030, 7305.19.1060, 7305.19.5000, 7306.10.1010, and 7306.10.1050 of the HTS. Line pipe is included in AISI product group No. 20.

(iii) Mechanical pipe; provided for in items 7304.31.3000, 7304.31.6050, 7304.39.0050, 7304.39.0075, 7304.51.5000, 7304.51.5090, 7304.59.1000, 7304.59.6000, 7304.59.8000, 7304.90.5000, 7304.90.7000, 7306.30.1000, 7306.30.5015, 7306.30.5020, 7306.30.5035, 7306.30.5060, 7306.30.5075, 7306.50.1000, 7306.50.5030, 7306.50.5050, 7306.50.5070, 7306.60.5000, 7306.60.7000 of the HTS. Mechanical pipe is included in AISI product group 21A.

(iv) Structural pipe; provided for in items 7304.90.1000, 7304.903000, 7305.312000, 7305.31.4000, 7305.31.6000, 7306.30.3000, 7306.50.3000, 7306.60.1000, and 7306.60.3000 of the HTS. Structural pipe is included in AISI product category 22A.

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

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

(vii) Other, including standard; provided for in items 7304.39.0015, 7304.39.0030, 7304.39.0040, 7304.39.0070, 7304.39.0090, 7305.31.4000, 7305.39.1000, 7305.39.5000, 7305.90.1000, 7305.90.5000, 7306.30.5025, 7306.30.5030, 7306.30.5040, 7306.30.5050 and 7306.30.5065, 7306.30.5070, 7306.90.1000, 7306.90.5000 of the HTS. Other, including standard pipe is included in AISI product categories 18, 21E and 22B.

16. Alloy tool steel (all forms) provided for in items 7224.10.0030, 7224.90.0010, 7224.90.0020, 7224.90.0030, 7225.20.0000, 7225.30.1000, 7225.30.5030, 7225.30.5060, 7225.40.1015, 7225.40.1090, 7225.40.5030, 7225.40.5060, 7225.50.1030, 7225.50.1060, 7226.20.0000, 7226.91.1030, 7226.91.1060, 7226.91.3030, 7226.91.3060, 7226.92.1030, 7226.92.1060, 7226.92.3030, 7226.92.3060, 7227.10.000, 7227.90.1030, 7227.90.1060, 7227.90.2030, 7227.90.2060, 7228.10.0010, 7228.10.0030, 7228.10.0060, 7228.30.2000, 7228.30.4000, 7228.30.6000, 7228.50.1010, 7228.50.1020, 7228.50.1040, 7228.50.1060, 7228.50.1080, 7228.60.1030, 7228.60.1060, and 7229.10.0000 of the HTS. 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 1(h) of chapter 72 of the HTS, which is commonly referred to as bearing steel, is included with "certain alloy" products.

Appendix B

**Definitions of Certain Specialty Steels
Including Alloy Tool Steel**

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Annotated for Statistical Reporting Purposes
SUBCHAPTER III

TEMPORARY MODIFICATIONS ESTABLISHED PURSUANT TO TRADE LEGISLATION

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U.S. Notes

1. This subchapter contains the temporary modifications of the provisions in the tariff schedule established pursuant to trade legislation. Unless otherwise stated, the modified provisions are effective until suspended or terminated. Unless the context requires otherwise, any article described in the provisions of this subchapter, for which rates of duty are herein provided, if entered during the period specified, is subject to duty at the rate set forth herein in lieu of the rate provided therefor in chapters 1 to 98.
2. For the purposes of subheadings 9903.17.05 through 9903.17.30, inclusive, the term "product of the European Economic Community" refers to products of the member states of this instrumentality which includes Belgium, Denmark, France, the Federal Republic of Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain and the United Kingdom.
3. For the purposes of subheadings 9903.41.05 and 9903.41.10, the duties provided for in this subchapter are cumulative duties which apply in addition to the duties otherwise imposed on the articles involved.
4. Additional duties and quantitative limitations on certain stainless steel and alloy tool steel.--The provisions of this note apply to subheadings 9903.72.00 through 9903.72.44 of this subchapter. The duties provided for in subheadings 9903.72.00 and 9903.72.01 and the quantitative limitations set forth in subheadings 9903.72.10 through 9903.72.34 are in addition to the duties provided for the subject articles in chapter 72 or in subheading 9906.00.30, where applicable.
 - (a) Definitions.--For the purposes of this subchapter:
 - (i) The term "restraint period" refers to a period provided for in the article description column for subheadings 9903.72.10 through 9903.72.34;
 - (ii) The terms "razor blade steel" and "chipper knife steel" are defined as provided in additional U.S. notes 1(d) and 1(f), respectively, to chapter 72;
 - (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 0.6 nor more than 0.9 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 0.1 nor more than 0.25 percent;
(F) chromium:	not less than 0.9 nor more than 1.1 percent;
(G) nickel:	not less than 0.5 nor more than 0.7 percent;
(H) molybdenum:	not less than 0.9 nor more than 1.1 percent; and
(I) vanadium:	not less than 0.08 percent nor more than 0.15 percent;
 - (iv) The term "cladding grade 434 stainless steel flat-rolled products" refers to stainless steel flat-rolled products, not under 1.397 mm and not over 1.651 mm in thickness, not under 84.77 cm and not over 66.675 cm 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 U.S. note 4(a)(v) to this subchapter" 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 percent;
chromium:	not less than 19.5 percent nor more than 20.5 percent;
nickel:	not less than 17.5 percent nor more than 18.5 percent;
molybdenum:	not less than 6 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 percent;
sulfur:	not more than 0.03 percent;
phosphorus:	not more than 0.04 percent; or

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(h) Regarding shipments of mold blocks from Canada into the United States:

(i) The term "mold blocks" refers to products of either stainless steel bar or alloy tool steel whose chemistry meets that of either H13 hot-work tool steel forged bars, F20 mold steel forged bars, or hardenable Cr stainless steel 420 forged bars, as defined in subparagraphs (a), (b), and (c) below:

(A) "H13 hot-work tool steel forged bars" refers to forged bars of the alloy tool steel grade containing by weight, in addition to iron, not less than 0.32 percent nor more than 0.45 percent carbon; not less than 4.75 percent nor more than 5.50 percent chromium; not less than 0.20 percent nor more than 0.5 percent manganese; not less than 1.10 percent nor more than 1.75 percent molybdenum; not more than 0.030 percent phosphorous; not more than 0.030 percent sulfur; not less than 0.80 percent nor more than 1.20 percent silicon; and not less than 0.80 percent nor more than 1.20 percent vanadium.

(B) "F20 mold steel forged blocks" refers to forged bars of the alloy tool steel grade containing by weight, in addition to iron, not less than 0.28 percent nor more than 0.40 percent carbon; not less than 1.40 percent nor more than 2.00 percent chromium; not less than 0.60 percent nor more than 1.00 percent manganese; not less than 0.30 percent nor more than 0.55 percent molybdenum; not more than 0.030 percent phosphorous; not more than 0.030 percent sulfur; and not less than 0.20 percent nor more than 0.80 percent silicon.

(C) "Hardenable Cr Stainless Steel 420 forged bars" refers to stainless steel forged bars containing by weight over 0.15 percent carbon; not less than 12.00 percent nor more than 14 percent chromium; not more than 1.00 percent manganese; not more than 0.040 percent phosphorous; not more than 0.030 percent sulfur; not more than 1.00 percent silicon.

(ii) Mold blocks may only be forged bars of F20 mold steel, forged bars of H13 hot-work tool steel, and hardenable Cr stainless steel 420 forged bars of Canadian origin which are used in the United States to produce plastic injection molds, die-casting molds, and metal forming dies for automotive components. If rectangular, these bars must be between 10.16 and 101.6 cm in thickness and between 33.02 and 182.88 cm in width. Round bars of these steels must be between 20.32 and 60.96 cm in diameter. The rectangular bars must be machined on four faces at 90 degrees. In addition, one surface must be machined not to exceed 250AA roughness height (250 R.M.S. value), and surfaces must be perpendicular within 0.1588 cm. The round bars must be machined on both end faces, and their periphery must be machined not to exceed 250AA roughness height (250 R.M.S. value).

(iii) In order for the product to be considered a mold block, the Canadian government and the importer must certify that the product meets the requirements set forth in subparagraphs (i) and (ii) above. The Canadian government will certify that the tonnage in the shipment, when added to other such certified shipments during the same restraint period, does not exceed the tonnage allowed under subheading 9903.72.40, 9903.72.42, or 9903.72.44, as appropriate. Such certification must be endorsed by the competent Canadian government authorities and presented to U.S. Customs at the time of entry into the United States.

(iv) The Government of the United States will allow entry of such mold blocks only to the extent that the quantity of mold blocks entered does not exceed the quantities set forth in subheadings 9903.72.40, 9903.72.42, and 9903.72.44, respectively. Entries in excess of such quantity will be subject to the restraint levels described in subheadings 9903.72.10, 9903.72.12, 9903.72.14, 9903.72.30, 9903.72.32, and 9903.72.34, as appropriate.

5. Quantitative limitations on certain tungsten articles.--The provisions of this note apply to subheadings 9903.28.05 through 9903.28.25, inclusive. The limitations imposed are in addition to the duties provided for the restrained articles in chapter 28 or in chapter 98, where applicable. The quantitative limitations shall include imports entered, or withdrawn from warehouse for consumption, informal entries, temporary imports under bond, and imports under chapter 98.

(a) Definitions.--For purposes of this subchapter--

(i) the term "tungsten articles" means ammonium paratungstate provided for in subheading 2841.80 and tungstic acid provided for in subheading 2825.90.50;

(b) Export certificate.--Effective January 1, 1988, none of the tungsten articles provided for herein that are exported from the People's Republic of China (the PRC) shall be entered, or withdrawn from warehouse for consumption, unless such tungsten articles are accompanied by a validated export certificate issued by the competent authority of the Government of the People's Republic of China;

(c) Carryover.--Whenever the specified limit of imports has not been entered during a period, an amount not to exceed 5 percent (except that the United States Trade Representative may by prior determination permit a carryover of greater than 5 percent) of the limit specified in the period in which the shortfall occurred may be entered in the subsequent period.

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(F)	carbon:	not less than 0.92 percent nor more than 1.02 percent;
	manganese:	not less than 0.25 percent nor more than 0.4 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 0.4 percent;
	chromium:	not less than 1.85 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 0.4 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.

- (ix) The term "stainless steel of the type described in U.S. note 4(a)(ix) to this subchapter" refers to stainless steel which contains by weight less than 1 percent carbon and over 11.5 percent chromium.
- (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.
- (c) Carryover.--Whenever the quota quantity specified for any of the individually named countries for an item has not been entered during any semi-annual restraint period, entry may be made during the subsequent semi-annual restraint period of an amount up to 20 percent (10 percent in the case of shortfalls occurring in the second semi-annual restraint period in any quota 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 thereof.
- (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 the first semi-annual restraint period in any quota year, by not more than 3 percent in the second semi-annual restraint period in any quota year and shall not be exceeded in the period from July 20, 1989 through September 30, 1989. If a quota quantity is exceeded during a restraint period, a downward adjustment of the corresponding quota quantity for the next semi-annual 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 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.
- (g) Products Subject to Certain Export Restraint Agreements.--
- (i) The duties provided for in subheadings 9903.72.00 and 9903.72.01 shall not apply to products of Australia, Austria, Brazil, Czechoslovakia, the European Communities, German Democratic 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. The duties provided for in subheadings 9903.72.00 and 9903.72.01 shall not apply to products of Trinidad and Tobago exported to the United States on or after October 15, 1987.
 - (ii) The quantitative limitations provided for in subheadings 9903.72.10 through 9903.72.24, inclusive, shall not apply to products of 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.
 - (iii) The quantitative limitations provided for in subheadings 9903.72.30 through 9903.72.34, inclusive, 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.

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(h) Regarding shipments of mold blocks from Canada into the United States:

- (i) The term "mold blocks" refers to products of either stainless steel bar or alloy tool steel whose chemistry meets that of either H13 hot-work tool steel forged bars, P20 mold steel forged bars, or hardenable Cr stainless steel 420 forged bars, as defined in subparagraphs (a), (b), and (c) below:
- (A) "H13 hot-work tool steel forged bars" refers to forged bars of the alloy tool steel grade containing by weight, in addition to iron, not less than 0.32 percent nor more than 0.45 percent carbon; not less than 4.75 percent nor more than 5.50 percent chromium; not less than 0.20 percent nor more than 0.5 percent manganese; not less than 1.10 percent nor more than 1.75 percent molybdenum; not more than 0.030 percent phosphorous; not more than 0.030 percent sulfur; not less than 0.80 percent nor more than 1.20 percent silicon; and not less than 0.80 percent nor more than 1.20 percent vanadium.
- (B) "P20 mold steel forged blocks" refers to forged bars of the alloy tool steel grade containing by weight, in addition to iron, not less than 0.28 percent nor more than 0.40 percent carbon; not less than 1.40 percent nor more than 2.00 percent chromium; not less than 0.60 percent nor more than 1.00 percent manganese; not less than 0.30 percent nor more than 0.55 percent molybdenum; not more than 0.030 percent phosphorous; not more than 0.030 percent sulfur; and not less than 0.20 percent nor more than 0.80 percent silicon.
- (C) "Hardenable Cr Stainless Steel 420 forged bars" refers to stainless steel forged bars containing by weight over 0.15 percent carbon; not less than 12.00 percent nor more than 14 percent chromium; not more than 1.00 percent manganese; not more than 0.040 percent phosphorous; not more than 0.030 percent sulfur; not more than 1.00 percent silicon.
- (ii) Mold blocks may only be forged bars of P20 mold steel, forged bars of H13 hot-work tool steel, and hardenable Cr stainless steel 420 forged bars of Canadian origin which are used in the United States to produce plastic injection molds, die-casting molds, and metal forming dies for automotive components. If rectangular, these bars must be between 10.16 and 101.6 cm in thickness and between 33.02 and 182.88 cm in width. Round bars of these steels must be between 20.32 and 60.96 cm in diameter. The rectangular bars must be machined on four faces at 90 degrees. In addition, one surface must be machined not to exceed 250AA roughness height (250 R.M.S. value), and surfaces must be perpendicular within 0.1588 cm. The round bars must be machined on both end faces, and their periphery must be machined not to exceed 250AA roughness height (250 R.M.S. value).
- (iii) In order for the product to be considered a mold block, the Canadian government and the importer must certify that the product meets the requirements set forth in subparagraphs (i) and (ii) above. The Canadian government will certify that the tonnage in the shipment, when added to other such certified shipments during the same restraint period, does not exceed the tonnage allowed under subheading 9903.72.40, 9903.72.42, or 9903.72.44, as appropriate. Such certification must be endorsed by the competent Canadian government authorities and presented to U.S. Customs at the time of entry into the United States.
- (iv) The Government of the United States will allow entry of such mold blocks only to the extent that the quantity of mold blocks entered does not exceed the quantities set forth in subheadings 9903.72.40, 9903.72.42, and 9903.72.44, respectively. Entries in excess of such quantity will be subject to the restraint levels described in subheadings 9903.72.10, 9903.72.12, 9903.72.14, 9903.72.30, 9903.72.32, and 9903.72.34, as appropriate.

5. Quantitative limitations on certain tungsten articles.--The provisions of this note apply to subheadings 9903.28.05 through 9903.28.25, inclusive. The limitations imposed are in addition to the duties provided for the restrained articles in chapter 28 or in chapter 98, where applicable. The quantitative limitations shall include imports entered, or withdrawn from warehouse for consumption, informal entries, temporary imports under bond, and imports under chapter 98.

(a) Definitions.--For purposes of this subchapter--

- (i) the term "tungsten articles" means ammonium paratungstate provided for in subheading 2841.80 and tungstic acid provided for in subheading 2825.90.50;
- (b) Export certificate.--Effective January 1, 1988, none of the tungsten articles provided for herein that are exported from the People's Republic of China (the PRC) shall be entered, or withdrawn from warehouse for consumption, unless such tungsten articles are accompanied by a validated export certificate issued by the competent authority of the Government of the People's Republic of China;
- (c) Carryover.--Whenever the specified limit of imports has not been entered during a period, an amount not to exceed 5 percent (except that the United States Trade Representative may by prior determination permit a carryover of greater than 5 percent) of the limit specified in the period in which the shortfall occurred may be entered in the subsequent period.

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- (d) Exceeding restraint levels.--The USITR may by Federal Register notice authorize an increase in the specified limits of imports by not more than 10 percent during any period, except that the USITR may by prior determination permit an increase of greater than 10 percent. If a specified limit of imports is exceeded during a period, there shall be a downward adjustment of the specified limit for the next period in the amount the preceding specified limit was exceeded. To the extent that imports of the tungsten articles provided for herein exceed 771,114 kilograms tungsten content for calendar year 1987, the specified limits for subsequent periods will be reduced according to the following schedule: the 1988 calendar year specified limit shall be reduced by 50 percent of the excess; the specified limit of 1989 shall each be reduced by 30 percent of the excess; and the specified limit of 1990 shall be reduced by 20 percent of the excess.
- (e) United States International Trade Commission (USITC) surveys.--The USITC shall conduct annual surveys (pursuant to section 332 of the Tariff Act of 1930) to obtain data on ammonium paratungstate, tungstic acid and tungsten oxide (provided for in subheading 2825.90.30) from producers in the United States by calendar quarter on shipments, profits, capacity and capacity utilization, and annual data on capital expenditures and research and development expenditures; and to obtain data on such products from importers by calendar quarter on prices, orders, and inventories. The initial survey shall cover calendar year 1987 and shall be published by March 31, 1988, and the results of subsequent annual surveys shall be published on March 31 of each year thereafter as long as the agreement is in effect.
- (f) Administration of import limitations.--Imports accounting for no more than 65 percent of each annual specified limit may be entered in any two consecutive quarters in that year unless authorized by a determination of the USITR.
6. The following provisions have been suspended pursuant to executive action: subheadings 9903.04.05 through 9903.04.55, inclusive, subheadings 9903.23.00 through 9903.23.35, inclusive, subheading 9903.41.25, and subheadings 9903.41.35 through 9903.41.45, inclusive.

Appendix C

**Definitions of Certain Steel Products and
Specialty Steel Relief Provisions
(Federal Register Notice 52897)**

OFFICE OF THE UNITED STATES TRADE REPRESENTATIVE

Implementation of Modifications in Specialty Steel Import Relief

AGENCY: Office of the United States
Trade Representative.

ACTION: Notice.

SUMMARY: This notice converts to the Harmonized System product definitions for imports of certain specialty steel subject to increased tariffs or quotas and makes modifications to the Harmonized Tariff schedule of the United States to implement such conversion.

EFFECTIVE DATE: January 1, 1989.

FOR FURTHER INFORMATION CONTACT:
Robert Cassidy, Office of the United States Trade Representative, (202) 395-4510 or Michael Rollin, Office of Agreements Compliance, Import Administration, Department of Commerce, (202) 377-4037.

SUPPLEMENTARY INFORMATION: Presidential Proclamation 5679 of July 16, 1967 (53 FR 27308) provided for the temporary imposition of increased tariffs and quantitative restrictions on certain stainless steel and alloy tool steel imported into the United States, pursuant to section 203 of the Trade Act of 1974. Proclamation 5679 authorizes the U.S. Trade Representative to take such actions and perform such functions for the United States as may be necessary to administer and implement the relief, including negotiating orderly marketing agreements and allocating quota quantities on a country-by-country basis. The U.S. Trade Representative is also authorized to make modifications in the TSUS headings of items proclaimed by the President in order to implement such actions.

On January 1, 1989, the TSUS will be replaced by the Harmonized Tariff Schedule of the United States (HTS). Accordingly, the U.S. Trade Representative has determined that the following revisions to Chapter 98, subchapter III, of the HTS are required for continued implementation of Proclamation 5679 after December 31, 1988.

Replace the entire text of U.S. note 4(a)(ii) with the following:

The term "*razor blade steel of the type described in U.S. note 4(a)(ii) to this subchapter*" refers to products of stainless steel of the type described in U.S. note 4(a)(ix) to this subchapter, which are flat rolled, not over 0.254mm in thickness and not over 2.286cm in width—and, when cold rolled, are over 1.27cm in width—contain by weight not less than 11.5 percent, and not

over 14.7 percent chromium, and are certified at the time of entry to be used in the manufacture of razor blades. The terms "*concrete reinforcing bars and rods*," "*chipper knife steel*" and "*ball bearing steel*" are defined as provided in additional U.S. notes 1(c), 1(f) and 1(h), respectively, the chapter 72:

Replace the entire text of U.S. note 4(a)(vi) with the following:

The term "*flapper valve steel*" refers to products of stainless steel of the type described in U.S. note 4(a)(ix) to this subchapter, which are flat rolled, not over 1.27mm in thickness and not over 30.48 cm in width—and, when cold rolled, are over 1.27cm in width—and are 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:

Replace the entire text of U.S. note 4(a)(vii) with the following:

The term "*rotor steel for hysteresis motors*" refers to products of tool steel of the type described in U.S. note 4(a)(xi) to this subchapter, which are flat rolled, not over 1.27mm in thickness and not over 30.48cm in width—and, when cold rolled, are over 1.27cm in width—contain by weight not less than 0.5 percent carbon and not less than 5.5 percent tungsten, and are 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:

Replace the period (".") at the end of U.S. note 4(a)(ix) with a semicolon (";").

Insert the following new U.S. notes after U.S. note 4(a)(ix):

4(a)(x) The term "*alloy steel of the type described in U.S. note 4(a)(x) to this subchapter*" refers to steel which contains one or more of the following elements in the quantity, by weight, respectively indicated: over 1.65 percent manganese, or over 0.25 percent phosphorus, or over 0.35 percent sulfur, or over 0.60 percent silicon, or over 0.80 percent copper, or over 0.20 percent aluminum, or over 0.20 percent chromium, or over 0.30 percent cobalt, or over 0.15 percent lead, or over 0.50 percent nickel, or over 0.20 percent tungsten, or over 0.10 percent of any other metallic element:

4(a)(xi) The term "*tool steel of the type described in U.S. note 4(a)(xi) to this subchapter*" refers to alloy steel of the type described in U.S. note 4(a)(x) to this subchapter containing the following combination 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 0.3 percent carbon and 1.25 percent of 11.0 percent inclusive chromium; or
- (C) Not less than 0.85 percent carbon and 1.0 percent to 1.8 percent inclusive manganese;

- (D) 0.9 percent to 1.2 percent inclusive chromium and 0.9 percent to 1.4 percent inclusive molybdenum; or
- (E) not less than 0.5 percent carbon and not less than 3.5 percent molybdenum; or
- (F) not less than 0.5 percent carbon and not less than 5.5 percent tungsten:

4(a)(xii) The term "*high speed tool steel of the type described in U.S. note 4(a)(xii) to this subchapter*" refers to all tool steel of the type described in U.S. note 4(a)(xi) to this subchapter containing by weight not less than 0.5 percent carbon and not less than 3.5 percent molybdenum, or not less than 0.5 percent carbon and not less than 5.5 percent tungsten:

4(a)(xiii) The term "*plate of the type described in U.S. note 4(a)(xiii) to this subchapter*" refers to products which are flat rolled, whether or not corrugated or crimped, 4.7625mm or more in thickness and over 30.32cm in width when hot rolled or over 30.48cm in width when cold rolled:

4(a)(xiv) The term "*sheet of the type described in U.S. note 4(a)(xiv) to this subchapter*" refers to products which are flat rolled, whether or not corrugated or crimped, less than 4.7625mm in thickness and over 30.48cm in width:

4(a)(xv) The term "*strip of the type described in U.S. note 4(a)(xv) to this subchapter*" refers to products which are flat rolled, whether or not corrugated or crimped, less than 4.7625mm in thickness, not over 30.48cm in width and, if cold rolled, over 1.27cm in width:

4(a)(xvi) The term "*wire of the type described in U.S. note 4(a)(xvi) to this subchapter*" refers to products which are either cold drawn, in coils, of any cross-sectional configuration and not over 17.882mm in maximum cross-sectional dimension; or in coils with a cold rolled finish, of solid rectangular cross section, not over 6.35mm in thickness and not over 1.27cm in width:

4(a)(xvii) The term "*wire rod of the type described in U.S. note 4(a)(xvii) to this subchapter*" refers to products which are hot rolled, in coils, approximately round in cross section, and at least 5.08mm but not exceeding 18.796mm in diameter.

Replace the entire text of subheading 9803.72.00 with the following:

Flat rolled products and bars and rods which have been flat rolled, all the foregoing of stainless steel of the type described in U.S. note 4(a)(ix) to this subchapter, under 4.7625mm in thickness and, if cold rolled, over 1.27mm in width (except when: over 30.48cm in width and coated, plated or clad with metal; 30.48cm or under in width and electrolytically coated or plated with base metal other than tin, lead or zinc; cut, pressed or stamped to nonrectangular shape; worked after rolling other than by corrugation or crimping; as provided for in U.S. note 4(g)(ii) to this subchapter; razor blade steel of the type described in U.S. note 4(a)(ii) to this subchapter; cladding grade 434 stainless steel flat-rolled products over 30.48cm in width; cold-rolled flat-rolled products of stainless steel over 180.34cm in width; stainless steel of the type described in U.S. note 4(a)(v) to

this subchapter; and flapper valve steel) provided for in subheading 7219.12, 7219.13, 7219.14, 7219.22, 7219.23, 7219.24, 7219.31, 7219.32, 7219.33, 7219.34, 7219.35, 7219.90, 7220.11, 7220.12.10, 7220.12.50, 7220.20.10, 7220.20.60, 7220.20.70, 7220.20.90, 7220.90, 7222.10, 7222.20, 7222.30 or 7223.00.50, all the foregoing, whether or not entitled to duty-free treatment under subheading 9808.00.30 . . .

Replace the entire text of subheading 9903.72.01 with the following:

Flat-rolled products and bars and rods which have been flat-rolled, all the foregoing of stainless steel of the type described in U.S. note 4(a)(ix) to this subchapter, 4.7625mm or more in thickness, over 20.32cm in width if hot rolled or over 30.48cm in width if cold

rolled (except if: coated, plated or clad with metal; cut, pressed or stamped to nonrectangular shape; worked after rolling other than by corrugation or crimping; as provided for in U.S. note 4(g)(i) to this subchapter; and stainless steel of the type described in U.S. note 4(a)(v) to this subchapter) provided for in subheading 7219.11, 7219.12, 7219.21, 7219.22, 7219.31, 7219.90, 7220.11, 7220.20.10, 7220.90, 7222.10, 7220.20 or 7222.30, all the foregoing, whether or not entitled to duty-free treatment under subheading 9808.00.30 . . .

Replace the entire text of the superior heading, at the first indentation, to subheadings 9903.72.10, 9903.72.12 and 9903.72.14 with the following:

Bars and rods, flat-rolled products and wire, all the foregoing of stainless steel of the type described in U.S. note 4(a)(ix) to this subchapter (except if: worked after rolling other than by corrugation or crimping; plate, sheet, strip, wire and wire rod of the type described in U.S. notes 4(a)(xiii), 4(a)(xiv), 4(a)(xv), 4(a)(xvi) and 4(a)(xvii), respectively, to this subchapter; concrete reinforcing bars and rods; and stainless steel of the type described in U.S. note 4(a)(v) to this subchapter) provided for in subheading 7220.11, 7220.20.10, 7220.20.60, 7220.90, 7221.00, 7220.10, 7222.20, 7222.30, 7223.00.10, 7223.00.50 or 7223.00.90:

Replace all quota quantities for subheadings 9903.72.10, 9903.72.12, and 9903.72.14 with the following:

Item	Articles	Quota Quantity (in kilograms)	
		If entered during the restraint period:	
		July 20 through January 19	January 20 through July 19
9903.72.10	If entered during the period from October 20, 1987, through July 19, 1988 inclusive:		
	Austria	n/a	97,977
	Canada	250,366	501,676
	Japan	3,213,281	6,427,470
	Korea	439,969	860,685
	Mexico	25,401	51,710
	Spain	897,913	1,995,827
	Sweden	306,446	616,682
	Taiwan	22,680	45,360
9903.72.12	Other, except as provided in U.S. note 4(g)(ii) to this subchapter	99,791	97,070
	If entered during the period from July 20, 1988, through July 19, 1989 inclusive:		
	Austria	97,070	97,977
	Canada	512,565	512,565
	Japan	6,572,621	6,572,621
	Korea	891,772	892,679
	Mexico	58,060	58,966
	Spain	2,041,187	2,041,187
	Sweden	630,500	631,407
9903.72.14	Taiwan	46,267	47,174
	Other, except as provided in U.S. note 4(g)(ii) to this subchapter	107,956	104,327
	If entered during the period from July 20, 1989, through September 30, 1989 inclusive:		
	Austria	39,009	(¹)
	Canada	211,376	(¹)
	Japan	2,707,974	(¹)
	Korea	367,414	(¹)
	Mexico	24,494	(¹)
	Spain	840,969	(¹)
Sweden	259,457	(¹)	
Taiwan	19,051	(¹)	
Other, except as provided in U.S. note 4(g)(ii) to this subchapter	44,453	(¹)	

Replace the entire text of the superior heading, at the first indentation, to subheadings 9903.72.20, 9903.72.22 and 9903.72.24 with the following:

Bars and rods of stainless steel of the type described in U.S. note 4(a) (ix) to this subchapter, approximately round in cross-section, at least 5.08mm but not exceeding 18.796mm in diameter (except concrete reinforcing bars and rods and stainless steel

of the type described in U.S. note 4(a)(v) to this subchapter) provided for in subheading 7221.00:

Replace all quota quantities for subheadings 9903.72.20, 9903.72.22, and 9903.72.24 with the following:

Item	Articles	Quota Quantity (in kilograms)	
		If entered during the restraint period:	
		July 20 through January 19	January 20 through July 19
9903.72.20	If entered during the period from October 20, 1987, through July 19, 1988 inclusive:		
	Austria.....	n/a	25,401
	Japan.....	* 1,439,717	2,879,434
	Korea.....	* 238,592	476,277
	Spain.....	* 421,845	844,598
	Sweden.....	* 899,936	1,799,873
	Other, except as provided in U.S. note 4(g)(ii) to this subchapter.....	* 87,998	151,501
9903.72.22	If entered during the period from July 20, 1988, through July 19, 1989 inclusive:		
	Austria.....	48,988	25,401
	Japan.....	2,944,752	2,944,752
	Korea.....	489,885	490,792
	Spain.....	862,742	863,649
	Sweden.....	1,840,697	1,840,697
	Other, except as provided in U.S. note 4(g)(ii) to this subchapter.....	129,729	151,501
9903.72.24	If entered during the period from July 20, 1989, through September 30, 1989 inclusive:		
	Austria.....	9,979	(²)
	Japan.....	1,212,918	(²)
	Korea.....	355,620	(²)
	Spain.....	355,620	(²)
	Sweden.....	758,414	(²)
	Other, except as provided in U.S. note 4(g) (ii) to this subchapter.....	63,504	(²)

Replace the entire text of the superior heading, at the first indentation, to subheadings 9903.72.30, 9903.72.32 and 9903.72.34 with the following:

Flat-rolled products, bars and rods and wire, all the foregoing of tool steel of the type described in U.S. note 4(a)(xi) to this subchapter (except if worked after rolling other than by corrugation or crimping; plate of the type described in U.S. note 4(a)(xiii) to this subchapter which has been coated, plated or clad with metal or cut, pressed or stamped to nonrectangular shape; sheet of the type described in U.S. note 4(a)(xiv) to this subchapter which has been coated, plated or clad with metal or cut, pressed or stamped to nonrectangular shape; strip of the type described in U.S. note 4(a)(xv) to this subchapter which has been coated or plated with base metal other than tin, lead or zinc or cut, pressed or stamped to nonrectangular shape; concrete reinforcing bars and rods; wire of the type described in U.S. note 4(a)(xvi) to this subchapter other than round wire of high speed tool steel as described in

U.S. note 4(a)(xii) to this subchapter; chipper knife steel; band saw steel; ball bearing steel; rotor steel for hysteresis motors; and tool steel of the type described in U.S. note 4(a)(viii) to this subchapter) provided for in subheading 7208.11, 7208.12, 7208.13.10, 7208.13.50, 7208.14.10, 7208.14.50, 7208.21.10, 7208.21.50, 7208.22.10, 7208.22.50, 7208.23.10, 7208.23.50, 7208.24.10, 7208.24.50, 7208.31, 7208.32, 7208.33.10, 7208.33.50, 7208.34.10, 7208.34.50, 7208.35.10, 7208.35.50, 7208.41, 7208.42, 7208.43, 7208.44, 7208.45, 7208.90, 7209.11, 7209.12, 7209.13, 7209.14, 7209.21, 7209.22, 7209.23, 7209.24.50, 7209.31, 7209.32, 7209.33, 7209.34, 7209.41, 7209.42, 7209.43, 7209.44, 7209.90, 7210.70.30, 7210.90.90, 7211.11, 7211.12, 7211.19.10, 7211.19.50, 7211.21, 7211.22, 7211.29.10, 7211.29.30, 7211.29.50, 7211.29.70, 7211.30.10, 7211.30.30, 7211.30.50, 7211.49.10, 7211.49.30, 7211.49.50, 7211.90, 7212.10, 7212.21, 7212.29, 7212.30.10, 7212.30.30, 7212.30.50, 7212.40.10, 7212.40.50, 7212.50, 7212.60, 7213.20, 7213.41.30, 7213.41.60, 7213.49, 7213.50, 7214.10, 7214.30, 7214.50, 7214.60, 7215.10, 7215.30, 7215.40, 7215.90.10, 7215.90.30, 7215.90.50, 7217.21.10,

7217.21.30, 7217.21.50, 7217.22.10, 7117.22.50, 7217.23.10, 7217.23.50, 7217.29.10, 7217.29.50, 7217.31.10, 7217.31.30, 7217.31.50, 7217.32.10, 7217.32.50, 7217.33.10, 7217.33.50, 7217.39.10, 7217.39.50, 7219.11, 7219.12, 7219.13, 7219.14, 7219.21, 7219.22, 7219.23, 7219.24, 7219.31, 7219.32, 7219.33, 7219.34, 7219.35, 7219.90, 7220.11, 7220.12.10, 7220.12.50, 7220.20.10, 7220.20.60, 7220.20.70, 7220.20.80, 7220.20.90, 7220.90, 7221.00, 7222.10, 7222.20, 7222.30, 7223.00.10, 7223.00.50, 7223.00.90, 7225.20, 7225.30.10, 7225.30.30, 7225.30.50, 7225.30.70, 7225.40.10, 7225.40.30, 7225.40.50, 7225.40.70, 7225.50.10, 7225.50.60, 7225.50.70, 7225.50.80, 7225.90, 7226.20, 7226.91.10, 7226.91.30, 7226.91.50, 7226.91.70, 7226.91.80, 7226.92.10, 7226.92.30, 7226.92.50, 7226.92.70, 7226.92.80, 7226.99, 7227.10, 7227.90.10, 7227.90.20, 7227.90.60, 7228.10, 7228.30.60, 7228.30.80, 7228.40, 7228.50.10, 7228.50.50, 7228.60.10, 7228.60.60, 7228.60.80, 7229.10, 7229.90.10, 7229.90.50, 7229.90.90:

Change all quota quantities for subheadings 9903.72.30, 9903.72.32 and 9903.72.34 to the following:

Item	Articles	Quota Quantity (in kilograms)	
		If entered during the restraint period:	
		July 20 through January 19	January 20 through July 19
9903.72.30	If entered during the period from October 20, 1987, through July 19, 1988 inclusive:		
	Canada	360,156	719,405
	Japan	1,048,716	2,098,340
	Korea	345,641	691,282
	Mexico	58,060	117,935
	Poland	77,111	155,130
	Spain	40,824	83,482
	Sweden	1,979,497	3,958,995
9903.72.32	Other, except as provided in U.S. note 4(g)(ii) to this subchapter	78,204	147,873
	If entered during the period from July 20, 1988, through July 19, 1989 inclusive:		
	Canada	735,734	736,642
	Japan	2,144,607	2,145,514
	Korea	713,055	712,147
	Mexico	126,100	126,100
	Poland	151,571	152,408
	Spain	85,276	85,276
9903.72.34	Sweden	4,048,807	4,048,807
	Other, except as provided in U.S. note 4(g)(ii) to this subchapter	148,780	147,873
	If entered during the period from July 20, 1989, through September 30, 1989 inclusive:		
	Canada	303,003	(*)
	Japan	883,607	(*)
	Korea	203,931	(*)
	Mexico	51,710	(*)
	Poland	62,596	(*)
Spain	35,381	(*)	
Sweden	1,667,423	(*)	
Other, except as provided in U.S. note 4(g)(ii) to this subchapter	61,689	(*)	

Change all quota quantities for subheadings 9903.72.40, 9903.72.42, and 9903.72.44 to the following:

Item	Articles	Quota Quantity (in kilograms)	
		If entered during the restraint period:	
		July 20 through January 19	January 20 through July 19
9903.72.40	If entered during the period from November 20, 1987, through July 19, 1988 inclusive:		
	Canada	997,913	1,995,827
9903.72.42	If entered during the period from July 20, 1988, through July 19, 1989 inclusive:		
	Canada	1,995,827	1,995,827
9903.72.44	If entered during the period from July 20, 1989, through September 30, 1989 inclusive:		
	Canada	798,331	(*)

