

# Steel Mill Products

# 1999

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*(Formerly Series No. MA33B)*

Information about the scope of the survey, methodology, explanation of terms and historical notes for this survey may be found in the introduction of the 1997 Manufacturing Profiles, issued August 1999.

Current data are released electronically on Internet for all individual surveys as they become available. Use: <http://www.census.gov/econ/www/manumenu.html>. Individual reports can be accessed by choosing "Current Industrial Reports (CIR's)," clicking on "Report Number Index;" from the "Industrial Products by Numeric Index," choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

These data are also available through the U.S. Department of Commerce and STAT-USA Electronic Bulletin Board by subscription. To access, dial 202-482-3870 and follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information. The Internet address is: [www.stat-usa.gov/](http://www.stat-usa.gov/).

NOTE. Data are now published on the new North American Industry Classification System (NAICS) basis and therefore are not always comparable

to the old Standard Industrial Classification (SIC) code. For further information on NAICS, see [www.census.gov/epcd/www/naics.html](http://www.census.gov/epcd/www/naics.html).

## SUMMARY OF FINDINGS

In 1999, steel mill product manufacturers had shipments of \$59.2 billion, which decreased 10 percent from \$65.5 billion in 1998. Steel ingot and semifinished shapes decreased 7 percent to \$4.2 billion in 1999, from \$4.5 billion in 1998. Hot-rolled sheet and strip, including tin mill products decreased 6 percent to \$19.9 billion in 1999, from \$21.2 billion in 1998. Hot-rolled bars and shapes, plates, structural shapes, and piling decreased 15 percent to \$11.3 billion in 1999, from \$13.2 billion in 1998. Steel wire decreased 5 percent to \$2.3 billion in 1999, from \$2.5 billion in 1998. Other wire products shipments were \$1.9 billion in 1999, a decrease of 3 percent from 1998. Steel pipe and tube incurred a 6-percent decrease to \$7.4 billion in 1999, from \$8.8 billion in 1998. Cold-rolled steel sheet and strip decreased to \$9.8 billion in 1999, from \$10.6 billion in 1998, a 7-percent decrease. Cold-finished steel bars and bar shapes decreased 10 percent to \$2.0 billion in 1999, from \$2.2 billion in 1998. Other steel mill products increased 28 percent.

Current  
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Address inquiries concerning these data to Primary Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Dana Brooks, 301-457-4797.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.

## U S C E N S U S B U R E A U

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U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. Census Bureau



Table 1. Value of Shipments of Steel Mill Products by Class of Products: 1999 and 1998  
 [Value in thousands of dollars]

Product code	Product description	1999	1998
	Total .....	59,159,330	65,487,005
3311113	Steel ingot and semifinished shapes.....	4,219,405	4,518,568
3311115	Hot-rolled sheet and strip, including tin mill products 1/.....	19,868,302	21,221,265
3311117	Hot-rolled bars and shapes, plates, structural shapes, and piling.....	11,257,582	13,167,269
3311119	Steel wire.....	2,338,163	2,466,435
331222	Other wire products.....	1,916,648	1,975,093
3312100	Steel pipe and tube.....	7,391,611	8,790,893
3312211	Cold-rolled steel sheet and strip.....	9,792,191	10,572,186
3312213	Cold-finished steel bars and bar shapes.....	1,957,930	2,194,297
331111L	Other steel mill products (except wire products).....	417,498 r/	580,999

r/Revised by 5 percent or more from previously published data.

1/Galvanized, metallic coated, and electrical sheet and strip are included in product code 3311115, "Hot-rolled sheet and strip."

**Table 2. Production of Raw Steel: 1999 and 1998**  
 [Thousands of metric tons]

<b>Product description</b>	<b>1999</b>	<b>1998</b>
<b>Total.....</b>	<b>93,521</b>	<b>95,429</b>
<b>By grade of steel:</b>		
<b>Carbon.....</b>	<b>82,622</b>	<b>83,650</b>
<b>Alloy.....</b>	<b>8,555</b>	<b>9,466</b>
<b>Stainless.....</b>	<b>2,344</b>	<b>2,313</b>
<b>By type of furnace:</b>		
<b>Electric.....</b>	<b>39,262</b>	<b>39,908</b>
<b>Basic oxygen, open hearth, and other types of furnaces.....</b>	<b>54,259</b>	<b>55,521</b>



Table 3a. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 1999  
 [Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	No. of cos.	Receipts 2/ 3/ (quantity)	Steel consumed in producing plants (quantity)	Total shipments		
					Quantity	Value f.o.b. plant	Net shipments 4/ (quantity)
Semifinished products:							
3311113160	Blooms, billets, sheet bars, rounds, and skelp...	16	(D)	(D)	940,176	571,891	197,573
33111131A0	Wire rods .....	4	(D)	(D)	(D)	(D)	(D)
3311113170	Slabs .....	3	(D)	(D)	(D)	(D)	(D)
Finished products:							
3311117150	Plates, cut lengths .....	8	(D)	(D)	817,063	526,448	816,635
3311117160	Plates, in coils .....	2	(D)	(D)	(D)	(D)	(D)
3311117170	Structural shapes (3 inches and under) .....	3	-	-	(D)	(D)	(D)
Sheet:							
3311115170	Hot rolled .....	9	23,352	-	1,215,047	487,068	1,191,694
3312211130	Cold rolled .....	7	(D)	(D)	146,604	88,869	143,885
Sheet and strip:							
Galvanized:							
3311115180	Hot dipped.....	3	-	-	(D)	(D)	(D)
3311115190	All other metallic coated, including electrolytic .....	5	(D)	(D)	(D)	(D)	(D)
Strip:							
33111151A0	Hot rolled .....	3	24,520	-	1,346	1,181	(S)
3312211140	Cold finished .....	12	(D)	(D)	282,590	455,812	271,970
Bars:							
33111171C0	Hot rolled, including structural shapes under 3 inches .....	18	225,149	232	2,003,298	1,111,481	1,778,381
3312213120	Cold finished .....	26	(D)	(D)	448,778	440,700	448,369
Tool steel:							
33111171F0	High speed .....	7	(D)	(D)	12,546	109,438	9,878
33111171G0	Other than high speed .....	8	999	-	45,399	154,279	44,400
Pipe and tubes:							
3312100140	Oil country goods and line pipe .....	8	(D)	(D)	500,027	372,047	500,025
3312100170	Pressure tubing .....	5	(D)	(D)	4,779	18,194	4,758
33121001C0	Mechanical tubing .....	11	(D)	(D)	321,323	426,791	241,977
33121001H0	Miscellaneous, including standard and structural .....	6	-	-	(D)	(D)	(D)
33122251D0	Wire (plain and coated) .....	14	5,909	-	45,345	109,470	39,436
3311113130	Stainless steel .....	83	923,057	69,204	2,391,635	5,111,456	1,537,781
3311113180	Ingots .....	12	(D)	(D)	55,303	87,626	17,678
Semifinished products:							
3311113180	Blooms, billets, slabs, sheet bars, tube rounds, and skelp .....	16	(D)	(D)	361,051	435,346	286,329
33111131B0	Wire rods .....	4	7,787	-	(D)	(D)	(D)
Finished products:							
3311117180	Plates and structurals .....	7	4,598	-	152,779	375,513	148,181
Sheet and strip:							
33111151B0	Hot rolled .....	7	607,998	-	247,769	346,666	(S)
3312211150	Cold rolled.....						
Bars:							
33111171D0	Hot rolled .....	8	1,308	-	24,042	77,516	22,734
3312213130	Cold finished .....	13	(D)	(D)	111,708	439,932	110,661
Pipe and tubes:							
Pressure tubing:							
3312100180	Seamless .....	8	(D)	(D)	4,947	53,515	4,307
3312100190	Welded .....	10	(D)	(D)	68,462	255,543	68,453
Mechanical tubing:							
33121001D0	Seamless .....	6	(D)	(D)	2,762	62,619	1,493
33121001E0	Welded .....	16	(D)	(D)	73,456	307,588	73,455
33121001J0	Other pipe and tube .....	6	(D)	(D)	(D)	(D)	(D)
Wire:							
Round wire:							
33122251E0	Under 0.75 mm in diameter .....	13	(D)	(D)	18,823	114,400	18,619
33122251F0	0.75 mm to under 1.5 mm in diameter .....	13	87	-	6,336	37,844	6,249
33122251G0	1.5 mm and above in diameter .....	16	1,795	-	25,420	108,364	23,625
33122251H0	Other shape wire, including flat wire .....	9	(D)	(D)	1,098	14,864	1,000

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. S Does not meet publication standards.

1/Product codes in the 3312225 series also include products in the 3311119 series; same applies for 3312211 and 331111D; 3312213 and 331111F; and 3312100 and 331111B.

2/Excludes receipts and shipments of steel processed on a conversion basis for nonsteel producing companies. Receipts data represent receipts at producing mills only and include receipts from domestic sources.

3/Import receipts of steel mill products for 1999 are as follows: total, 6,487,381 metric tons; carbon, 6,239,963 metric tons; alloy, 52,987 metric tons; stainless 128,503 metric tons.

4/Net shipments are derived by subtracting domestic receipts from total quantity shipments plus steel consumed in producing plants.

5/Product code 331111L combines product codes 331111L10, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L17.

6/Represents wire products produced within steel works and wire drawing establishments. See the 1997 Census of Manufactures, Tables 6A and 6B for detailed information.

Note: Quantity data converted to metric tons; therefore, detail may not add to total because of rounding.

Table 3b. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 1998  
 [Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	No. of cos.	Receipts 2/ 3/ (quantity)	Steel	Total shipments		Net shipments 4/ (quantity)
				consumed in producing plants (quantity)	Quantity	Value f.o.b. plant	
	Steel	(NA)	26,146,062	1,245,274	113,711,498	65,487,005	88,810,710
	Carbon steel	275	23,809,936	1,074,512	101,923,656	52,765,867	79,188,232
3311113110	Ingots	5	(D)	(D)	112,562	50,005	275,248
	Semifinished products:						
3311113140	Blooms, billets, sheet bars, tin mill bars, tube rounds, and skelp	34	(D)	(D)	2,780,585	913,025	87,047
3311113190	Wire rods	22	r/ 4,469,957	224,421	4,761,549	1,822,618	516,013
3311113150	Slabs	12	(D)	(D)	780,997	210,668	(S)
	Finished products:						
3311117110	Plates, cut lengths	15	(D)	(D)	4,636,559	2,263,715	4,308,418
3311117120	Plates, in coils	5	(D)	(D)	(D)	(D)	(D)
	Sheet:						
3311115110	Hot rolled, including hot-rolled bands	23	10,889,114	310,025	19,118,623	6,988,020	8,539,534
3312211110	Cold rolled	26	1,487,520	208,543	13,097,007	6,435,035	11,818,029
	Sheet and strip:						
	Galvanized:						
3311115120	Hot dipped	17	(D)	(D)	10,075,733	6,380,818	9,929,011
3311115130	Electrolytic	14	(D)	(D)	3,311,947	2,258,804	3,296,657
3311115140	Electrical	1	(D)	(D)	(D)	(D)	(D)
3311115150	All other metallic coated, including long ternes	11	(D)	(D)	1,104,890	815,749	1,094,464
	Strip:						
3311115160	Hot rolled	14	(D)	(D)	2,335,219	731,998	1,711,287
3312211120	Cold rolled	20	(D)	(D)	1,228,092	1,099,107	1,035,832
	Tin mill products:						
33111151C0	Blackplate	9	(D)	(D)	479,084	242,835	454,268
33111151D0	Electrolytic and hot dipped tin plate	9	(D)	(D)	2,490,491	1,680,114	2,475,084
33111151E0	Tin free steel	5	(D)	(D)	468,956	309,335	460,339
33111151F0	All other tin mill products, including short ternes and foil	3	-	-	(D)	(D)	(D)
	Structural shapes (heavy):						
3311117130	Wide flange	4	-	-	(D)	(D)	(D)
3311117140	Standard	7	(D)	(D)	2,247,865	1,048,791	2,247,843
33111171E0	Sheet piling and bearing piles	3	-	-	(D)	(D)	(D)
	Bars:						
3311117190	Hot-rolled (except concrete reinforcing)	33	(D)	(D)	6,573,216	3,061,197	5,584,173
33111171A0	Light structurals (under 3 inches)	9	(D)	(D)	1,495,944	633,044	1,495,685
33111171B0	Concrete reinforcing bars	15	-	-	5,331,755	1,839,564	5,331,755
3312213110	Cold-finished bars	35	(D)	(D)	1,476,261	1,186,925	1,397,758
331111L	Rails, wheels, and track accessories 5/	10	(D)	(D)	974,720	580,999	843,705
	Pipe and tubes:						
	Line pipe:						
3312100110	16 inches outside diameter and under ...	20	-	-	1,049,135	653,568	1,049,135
3312100120	Over 16 inches outside diameter	8	-	-	641,030	486,221	641,030
3312100130	Oil country goods	13	-	-	771,514	523,666	771,514
	Pressure tubing:						
3312100150	Seamless	9	(D)	(D)	105,723	94,069	97,469
3312100160	Welded	14	-	-	335,795	394,482	335,795
	Mechanical tubing:						
33121001A0	Seamless	14	(D)	(D)	120,446	136,395	119,999
33121001B0	Welded	55	(D)	(D)	2,181,872	2,121,812	2,133,364
33121001F0	Structurals	25	(D)	(D)	1,527,221	895,180	1,523,230
33121001G0	Miscellaneous, including standard pipe	32	(D)	(D)	1,554,580	1,071,588	1,541,679
	Wire:						
	Plain wire:						
3312225110	Flat wire	10	5,526	254	70,715	87,559	65,443
	Round wire:						
	Thermally treated:						
3312225120	Under 1.5 mm in diameter	16	46,380	-	67,469	75,366	21,089
3312225130	1.5 mm or above in diameter	23	(D)	(D)	259,563	193,229	178,972
	Other round wire:						
3312225140	Under 1.5 mm in diameter	12	(D)	(D)	224,791	279,114	236,377
3312225150	1.5 mm or above in diameter	35	(D)	(D)	1,398,721	754,982	1,174,657
3312225160	Other shape wire	10	(D)	(D)	(D)	(D)	(D)
	Plated or coated with zinc:						
	Round wire:						
3312225170	Under 1.5 mm in diameter	13	(D)	(D)	51,597	46,770	50,022
3312225180	1.5 mm or above in diameter	21	88,612	620	271,509	192,122	183,516
3312225190	Other shape wire, including flat	9	(D)	(D)	72,998	60,771	41,744
	Other coated wire:						
33122251A0	Flat wire	3	(D)	(D)	3,009	4,225	20,331
33122251B0	Round wire	19	(D)	(D)	126,599	130,488	122,690
33122251C0	Other shape wire	6	-	-	(D)	(D)	(D)
	Wire products: 6/						
3312223120	Nails and staples	24	(D)	(D)	627,678	650,091	627,433
331222B110	Barbed and twisted wire	7	(D)	(D)	125,050	118,544	125,050
3312227110	Wire fence, woven and welded	12	(D)	(D)	434,827	289,026	433,341
331222B120	Bale ties	7	-	-	32,218	21,439	32,218
3312221110	Wire rope and cable	14	(D)	(D)	168,754	380,799	168,172
	Wire strand:						
3312221230	For prestressed concrete	6	-	-	225,942	154,985	225,942
3312221240	Other	13	-	-	177,743	231,362	177,743
3312229110	Woven wire netting	10	(D)	(D)	133,775	128,847	132,348
	Alloy steel	77	1,426,827	103,282	9,185,063	7,110,741	7,861,517
3311113120	Ingots	14	(D)	(D)	326,593	214,467	401,518
	Semifinished products:						
3311113160	Blooms, billets, sheet bars, rounds, and skelp	16	(D)	(D)	1,159,476	763,008	244,796
33111131A0	Wire rods	5	(D)	(D)	(D)	(D)	(D)
3311113170	Slabs	3	(D)	(D)	(D)	(D)	(D)
	Finished products:						
3311117150	Plates, cut lengths	9	(D)	(D)	953,429	658,794	953,669
3311117160	Plates, in coils	2	(D)	(D)	(D)	(D)	(D)

Table 3b. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 1998  
 [Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	No. of cos.	Receipts 2/ 3/ (quantity)	Steel consumed in producing plants (quantity)	Total shipments		
					Quantity	Value f.o.b. plant	Net shipments 4/ (quantity)
3311117170	Structural shapes (3 inches and under) .....	3	-	-	(D)	(D)	(D)
	Sheet:						
3311115170	Hot rolled .....	9	21,298	-	1,217,315	525,377	1,196,017
3312211130	Cold rolled .....	7	(D)	(D)	120,217	71,849	117,755
	Sheet and strip:						
	Galvanized:						
3311115180	Hot dipped.....	3	-	-	106,786	81,586	106,786
3311115190	All other metallic coated, including electrolytic .....	6	(D)	(D)	(D)	(D)	(D)
	Strip:						
33111151A0	Hot rolled .....	3	20,930	-	(D)	(D)	(D)
3312211140	Cold rolled .....	12	(D)	(D)	322,630	543,874	311,079
	Bars:						
33111171C0	Hot rolled, including structural shapes under 3 inches .....	17	254,544	353	2,399,235	1,443,990	2,145,043
3312213120	Cold finished .....	25	(D)	(D)	475,270	493,660	475,217
	Tool steel:						
33111171F0	High speed .....	7	(D)	(D)	12,341	120,580	11,414
33111171G0	Other than high speed .....	8	(D)	(D)	43,870	168,267	42,781
	Pipe and tubes:						
3312100140	Oil country goods and line pipe .....	8	(D)	(D)	952,535	815,404	952,533
3312100170	Pressure tubing .....	5	(D)	(D)	6,045	23,225	5,944
33121001C0	Mechanical tubing .....	10	(D)	(D)	406,378	568,605	310,543
33121001H0	Miscellaneous, including standard and structural .....	6	(D)	(D)	(D)	(D)	(D)
33122251D0	Wire (plain and coated) .....	12	7,012	-	45,236	111,865	38,224
	Stainless steel .....	83	909,299	67,480	2,602,779	5,610,397	1,760,960
3311113130	Ingots .....	12	(D)	(D)	44,069	70,343	2,691
	Semifinished products:						
3311113180	Blooms, billets, slabs, sheet bars, tube rounds, and skelp .....	17	(D)	(D)	253,421	331,995	164,104
33111131B0	Wire rods .....	5	14,614	-	30,535	93,624	15,921
	Finished products:						
3311117180	Plates and structurals .....	7	4,219	-	138,733	367,311	134,514
	Sheet and strip:						
33111151B0	Hot rolled .....	6	586,623	-	543,470	663,150	(S)
3312211150	Cold rolled .....	19	(D)	(D)	1,241,954	2,422,321	1,148,073
	Bars:						
33111171D0	Hot rolled .....	9	(D)	(D)	27,257	102,770	20,990
3312213130	Cold finished .....	13	(D)	(D)	121,252	513,712	120,195
	Pipe and tubes:						
	Pressure tubing:						
3312100180	Seamless .....	8	(D)	(D)	(D)	(D)	(D)
3312100190	Welded .....	11	(D)	(D) r/	65,838 r/	287,058 r/	65,829
	Mechanical tubing:						
33121001D0	Seamless .....	6	(D)	(D)	2,950	62,749	1,639
33121001E0	Welded .....	16	(D)	(D)	64,485	286,284	64,484
33121001J0	Other pipe and tubes .....	6	(D)	(D)	(D)	(D)	(D)
	Wire:						
	Round wire:						
33122251E0	Under 0.75 mm in diameter .....	13	(D)	(D)	17,966	116,134	17,763
33122251F0	0.75 mm to under 1.5 mm in diameter ...	14	432	-	6,147	37,569	5,715
33122251G0	1.5 mm and above in diameter .....	15	1,764	-	32,023	138,477	30,259
33122251H0	Other shape wire, including flat wire .....	9	(D)	(D)	1,177	15,211	1,031

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. r/Revised by 5 percent or more from previously published data. S Does not meet publication standards.

1/Product codes in the 3312225 series also include products in the 3311119 series; same applies for 3312211 and 331111D; 3312213 and 331111F; and 3312100 and 331111B.

2/Excludes receipts and shipments of steel processed on a conversion basis for nonsteel producing companies. Receipts data represent receipts at producing mills only and include receipts from domestic sources.

3/Import receipts of steel mill products for 1998 are as follows: total, 6,161,411 metric tons; carbon, 5,962,358 metric tons; alloy, 79,490 metric tons; stainless 119,563 metric tons.

4/Net shipments are derived by subtracting domestic receipts from total quantity shipments plus steel consumed in producing plants.

5/Product code 331111L combines product codes 331111L10, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L170.

6/Represents wire products produced within steel works and wire drawing establishments. See the 1997 Census of Manufactures, Tables 6A and 6B for detailed information.

Note: Quantity data converted to metric tons; therefore, detail may not add to total because of rounding.

Table 4. Minimill Shipments of Selected Steel Mill Products: 1999 and 1998  
[Quantity in metric tons]

Product code 1/	Product description	1999				1998			
		Number of minimill companies	Industry	Minimills	Percent of minimills	Number of minimill companies	Industry	Minimills	Percent of minimills
3311113110	Carbon steel 2/.....	26	44,828,881	16,364,187	36.5	27 r/	47,131,067	16,580,779	35.2
	Ingots.....	1	122,092	(D)	(D)	1	112,562	(D)	(D)
	Semifinished products:								
3311113140, 150	Blooms, billets, slabs, sheet bars, tin mill bars, tube rounds, and skelp.....	17	3,760,288	1,291,135	34.3	18	3,561,582	1,237,588	34.7
3311113190	Wire rods.....	5	4,880,894	1,855,767	38.0	5	4,761,549	1,716,679	36.1
	Finished products:								
3311117110, 120, 3311115160	Plates, all lengths.....	4	(D)	1,300,062	(D)	5	(D)	1,432,522	(D)
	Hot-rolled strip.....	4	(D)	48,341	(D)	4	2,335,219	84,479	3.6
	Structural shapes (heavy):								
3311117130	Wide flange.....	3	(D)	1,037,282	(D)	3	(D)	902,470	(D)
3311117140	Standard heavy shapes.....	6	2,050,466	1,773,178	86.5	6	2,247,865	1,953,012	86.9
33111171E0	Sheet piling and bearing piles.....	1	(D)	(D)	(D)	1	(D)	(D)	(D)
	Bars:								
3311117190	Hot-rolled bars (except concrete reinforcing).....	15	6,015,132	3,306,349	55.0	15	6,573,216	3,511,567	53.4
33111171A0	Light structurals (under 3 inches).....	7	1,333,794	973,610	73.0	7	1,495,944	1,098,187	73.4
33111171B0	Concrete reinforcing bars.....	10	5,535,724	3,561,371	64.3	10	5,331,755	3,431,631	64.4
3312213110	Cold-finished bars.....	2	1,415,440	(D)	(D)	2	1,476,261	(D)	(D)
331111L	Rails, wheels, and track accessories 3/.....	2	714,692	(D)	(D)	2	974,720	(D)	(D)
	Pipe and tubes:								
3312100110	Line pipe, 16 inches outside diameter and under.....	2	981,362	(D)	(D)	2	1,049,135	(D)	(D)
3312100130	Oil country goods.....	2	524,424	(D)	(D)	2	771,514	(D)	(D)
33121001A0	Mechanical tubing, seamless.....	1	101,567	(D)	(D)	1	120,446	(D)	(D)
33121001F0	Structurals.....	2	1,485,369	(D)	(D)	2	1,527,221	(D)	(D)
33121001G0	Miscellaneous, including standard pipe.....	2	1,387,567	(D)	(D)	2	1,554,580	(D)	(D)
3312225	Wire 4/.....	2	3,566,371	(D)	(D)	2	3,677,051	(D)	(D)
331222	Wire products 5/.....	1	1,922,160	(D)	(D)	1	1,925,988	(D)	(D)

D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.

1/Product codes in the 3312225 series also include products in the 3311119 series: same applies for 3312211 and 331111D; 3312213 and 331111F; and 3312100 and 331111B.

2/The total data is for selected product codes only.

3/Product code 331111L combines product codes 331111L110, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L170.

4/Product code 3312225 combines product codes 3312225100 through 33122251H0.

5/Product code 331222 combines product codes 3312223122, 331222B110, 3312227110, 331222B120, 3312221110, 3312221230, 3312221240, and 3312229110.

Note: Quantity data converted to metric tons; therefore, detail may not add to the total because of rounding.



Table 5. Net Shipments, Exports, Imports, and Apparent Consumption of Steel Mill Products: 1999--REVISED  
 [Quantity in metric tons. Value in thousands of dollars]

Product code	Product description	Manufacturers' shipments		Export of domestic merchandise 1/ 2/		Imports for consumption 1/ 3/		Apparent consumption 4/	
		Net (quantity) 5/	Total value f.o.b. plant	Quantity	Value at port	Quantity	Value c.i.f. 6/	Quantity	Value
331113110	Total.....	86,141,543	59,733,035	3,242,970	3,221,911	18,463,582	7,984,149	101,362,155	64,495,273
	Carbon steel:								
	Ingots.....	283,977	50,424	15,487	14,223	42,869	20,512	311,359	56,713
331113140, 150	Semifinished blooms, billets, sheet bars, tin mill bars, tube rounds, skelp, and slabs.....	411,113	1,050,958	66,077	24,301	7,059,198	1,402,481	7,404,234	2,429,138
331113190	Semifinished wire rods.....	530,399	1,696,155	-	-	-	-	530,399	1,696,155
331117110, 120	Finished plates, both cut in lengths and in coils.....	(D)	(D)	-	-	-	-	(D)	(D)
331115110, 160	Finished sheet and strip, hot rolled including hot rolled bands.....	(D)	(D)	56,712	46,826	25,956	12,209	(D)	(D)
3312211110	Finished sheet, cold rolled.....	11,486,803	5,805,499	399,188	210,702	22,743	11,443	11,110,358	5,606,240
331115120	Finished sheet and strip, galvanized, hot dipped.....	9,792,089	5,937,844	44,168	36,764	1,260,080	648,544	11,008,001	6,549,624
331115130	Finished sheet and strip, galvanized, electrolytic.....	3,355,355	2,266,408	177,971	137,744	-	-	3,177,385	2,128,664
331115140, 150	Finished sheet and strip, electrical and other metallic coating, including long ternes.....	(D)	(D)	142,737	159,675	314,150	271,834	(D)	(D)
3312211120	Finished strip, cold rolled.....	1,178,358	1,168,074	39,921	40,666	8,912	28,484	1,147,349	1,155,892
3311151C0	Finished tin mill products:								
	Blackplate.....	342,715	172,662	10,761	4,759	-	-	331,954	167,903
3311151D0	Electrolytic and hot dipped tinplate.....	2,455,069	1,595,782	265,522	153,481	448,346	280,707	2,637,893	1,723,008
3311151E0, 51F0	Tin free steel and other tin mill products, including short ternes and foil.....	(D)	(D)	(NA)	(NA)	(NA)	(NA)	(D)	(D)
331117130, 140	Finished structural shapes (heavy), both wide flange and standard heavy shapes.....	(D)	(D)	332,938	145,671	1,171,506	399,217	(D)	(D)
3311171E0	Finished sheet piling and bearing piles.....	(D)	(D)	13,912	14,171	117,989	68,294	(D)	(D)
331117190	Finished bars:								
	Hot-rolled bars (except concret reinforcing).....	5,006,127	2,606,855	92,160	53,333	170,252	86,762	5,084,220	2,640,284
3311171A0	Light structurals under 3 inches.....	1,333,535	499,940	101,748	44,423	234,133	86,068	1,465,921	541,585
3311171B0	Concrete reinforcing.....	5,535,724	1,773,907	116,194	39,251	1,666,302	385,903	7,085,832	2,120,559
3312213110	Cold finished.....	1,346,029	1,077,298	29,325	25,455	108,424	84,552	1,425,129	1,136,395
331111L	Finished rails, wheels, and track accessories 7/.....	642,436	417,498	27,430	32,303	253,652	143,453	868,658	528,648
3312100110, 120	Finished line pipe, all diameters.....	(D)	(D)	99,818	118,575	805,655	413,119	(D)	(D)
3312100130	Finished pipe and tubes, oil country goods.....	524,424	319,804	93,661	175,896	62,328	29,176	493,091	173,084
33121001F0	Finished pipe and tubes, structurals.....	1,481,015	855,779	86,652	112,287	630,895	316,278	2,025,257	1,059,770
3312100150, 160	Finished pipe and tubes (except line pipe, oil country goods, and structurals).....	4,065,207	4,201,496	72,327	59,309	931,517	591,407	4,924,397	4,733,594
33121001A0, 1B0, 1G0	Finished plain wire.....	(D)	(D)	35,137	38,893	-	-	(D)	(D)
3312225110, 120, 130, 140, 150, 160	Finished wire, plated or coated with zinc..	208,962	247,242	12,614	12,943	-	-	196,348	234,299
33122251A0, 1B0, 1C0	Finished wire, plated or coated, other than with zinc.....	(D)	(D)	35,577	42,868	-	-	(D)	(D)
3312223120	Finished wire nails and staples.....	583,342	629,536	21,804	41,125	401,675	310,712	963,213	899,123
331222B110	Finished barbed and twisted wire.....	113,890	103,560	2,102	3,287	14,384	11,768	126,172	112,041
3312227110	Finished wire fence (woven and welded) and woven wire netting.....	654,232	441,370	14,161	19,933	93,312	94,454	733,383	515,891
3312229110	Finished wire bale ties.....	39,289	26,711	(NA)	(NA)	(NA)	(NA)	39,289	26,711
331222B120	Finished wire rope and cable.....	162,794	357,521	12,682	39,040	104,352	162,471	254,464	480,952
3312221110	Finished wire strand for prestressed concrete.....	219,139	130,611	10,657	13,681	79,488	46,448	287,970	163,378
3312221240	Finished wire strand (except for prestressed concrete).....	180,261	230,773	(NA)	(NA)	(NA)	(NA)	180,261	230,773
331113120	Alloy steel (except stainless):								
	Ingots.....	338,521	175,341	21,795	22,616	11,503	14,522	328,228	167,247
331113160, 170	Semifinished blooms, billets, sheet bars, tube rounds, skelp, and slabs.....	(D)	(D)	14,396	29,488	377,567	103,406	(D)	(D)
3311151A0, 170, 180, 190, 331117150, 160, 331221130, 140	Finished plate, sheet or strip, both hot and cold rolled or cold finished.....	3,018,643	1,873,537	147,183	142,291	608,590	411,969	3,480,050	2,143,215
3311131A0	Semifinished wire rods, finished structural shapes (3 inches and under) and bars, hot rolled, including structural shapes under 3 inches, and cold finished.....	2,254,382	1,611,002	172,617	144,859	889,127	514,178	2,970,892	1,980,321
331117170	Finished tool steel, high speed.....	9,878	109,438	1,014	8,945	2,648	18,917	11,512	119,410
3311171C0	Finished tool steel (except high speed).....	44,400	154,279	6,496	19,886	64,362	90,268	102,267	224,661
3312100140	Finished oil country goods and line pipe.....	500,025	372,047	122,033	161,296	39,850	30,608	417,842	241,359
33122251D0	Finished wire, plain or coated.....	39,436	109,470	47,567	113,279	70,839	97,656	62,708	93,847
3312100170, 180, 109	Alloy steel, including stainless, pipe and tubes, n.e.c. ....	572,681	1,318,968	118,645	289,969	156,060	308,771	610,095	1,337,770

Continued

Table 5. Net Shipments, Exports, Imports, and Apparent Consumption of Steel Mill Products: 1999--REVISED  
 [Quantity in metric tons. Value in thousands of dollars]

Product code	Product description	Manufacturers' shipments		Export of domestic merchandise 1/ 2/		Imports for consumption 1/ 3/		Apparent consumption 4/	
		Net (quantity) 5/	Total value f.o.b. plant	Quantity	Value at port	Quantity	Value c.i.f. 6/	Quantity	Value
33121001C0, 1D0, 1E0, 1H0, 1J0	Stainless steel: Ingots.....	17,678	87,626	2,673	12,821	2,745	3,997	17,750	78,802
3311113130 3311113180	Semifinished blooms, billets, slabs, sheet bars, tube rounds, and skelp.....	286,329	435,346	-	-	-	-	286,329	435,346
33111131B0 33111171D0 3311117180	Semifinished wire rods and finished bars, hot rolled..... Stainless steel, finished plates and structurals.....	(D)	(D)	2,663	7,817	60,010	113,759	(D)	(D)
33111151B0	Finished sheet and strip, hot strip, hot rolled.....	(S)	346,666	5,641	15,492	17,428	21,106	(S)	352,280
3312211150	Finished sheet and strip, cold rolled.....	1,083,925	2,273,937	108,781	234,438	28,078	60,155	1,003,223	2,099,654
3312213130 33122251E0, 1F0, 1G0, 1H0	Finished bars, cold finished..... Finished wire.....	110,661 49,491	439,932 275,472	9,253 7,249	42,877 38,416	59,756 22,518	147,418 89,528	161,165 64,760	544,473 326,584

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. n.e.c. Not elsewhere classified. S Does not meet publication standards.

1/For a comparison of North American Industry Classification System-Based product codes with Schedule B export number, and HTSUSA import numbers, see Table 6.

2/Source: Census Bureau report EM 545, U.S. Exports.

3/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

4/Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

5/Includes quantities of steel consumed in steel producing plants in the manufacture of fabricated products and maintenance, repair, and operating supplies (MRO) while excluding receipts. Refer to Table 3a for the net shipments detail.

6/This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

7/Data for manufacturers' shipments, product code 331111L combines product codes 331111L110, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L170; for exports and imports, product code 331111L combines product codes 331111L110, 331111L120, 331111L130, and 331111L140 (product codes 331111L150, 331111L160, 331111L170 are not applicable. Refer to Table 6 for details.)

Note: Quantity data converted to metric tons; therefore, detail may not add to total because of rounding.

Table 6. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1999

Product code	Product description	Export number 1/	Import number 2/
3311113110	Carbon steel:		
	Ingots.....	7206.10.0000 7206.90.0000	7206.10.0000 7206.90.0000
3311113140, 190	Semifinished blooms, billets, sheet bars, tin mill bars, tube rounds, skelp, rounds, skelp, and slabs.....	7207.11.0000	7207.11.0000
		7207.12.0000	7207.12.0010
		7207.19.0000	7207.12.0050
		7207.20.0000	7207.19.0030
			7207.19.0090
			7207.20.0025
			7207.20.0045
	7207.20.0075		
	7207.20.0090		
3311113150	Semifinished wire rods.....	7213.31.0000	7213.31.3000
		7213.41.0000	7213.31.6000 7213.41.3000 7213.41.6000 7213.50.0020
3311117110, 120	Finished plates, both cut in lengths and in coils.....	7208.11.0000	7208.11.0000
		7208.12.0000	7208.12.0000
		7208.21.0000	7208.21.1000
		7208.22.0000	7208.21.5000
		7208.31.0000	7208.22.1000
		7208.32.0000	7208.22.5000
		7208.33.0000	7208.31.0000
		7208.41.0000	7208.32.0000
		7208.42.0000	7208.33.1000
		7208.43.0000	7208.33.5000
		7211.11.0000	7208.41.0000
		7211.12.0000	7208.42.0000
		7211.21.0000	7208.43.0000
7211.22.0000	7211.11.0000 7211.12.0000 7211.21.0000 7211.22.0045 7211.22.0090		
3311115110, 160	Finished sheet and strip, hot rolled, including hot rolled bands.....	7208.13.0000	7208.13.1000
		7208.14.0000	7208.13.5000
		7208.23.0000	7208.14.1000
		7208.24.0000	7208.14.5000
		7208.34.0000	7208.23.1000
		7208.35.0000	7208.23.5030
		7208.44.0000	7208.23.5090
		7208.45.0000	7208.24.1000
		7208.90.0000	7208.24.5030
		7210.70.0000	7208.24.5090
		7211.19.0000	7208.34.1000
		7211.29.0000	7208.34.5000 7208.35.1000 7208.35.5000 7208.44.0000 7208.45.0000 7208.90.0000 7210.70.3000 7211.19.1000 7211.19.5000 7211.29.1000 7211.29.3000 7211.29.5000 7211.29.7030 7211.29.7060 7211.29.7090

Table 6. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1999

Product code	Product description	Export number 1/	Import number 2/
3312211110	Finished sheet, cold-rolled.....	7209.11.0000	7209.11.0000
		7209.12.0000	7209.12.0030
		7209.13.0000	7209.12.0090
		7209.14.0000	7209.13.0030
		7209.15.0010	7209.13.0090
		7209.15.0050	7209.14.0030
		7209.16.0010	7209.14.0090
		7209.16.0090	7209.21.0000
		7209.17.0010	7209.22.0000
		7209.17.0090	7209.23.0000
		7209.18.1500	7209.24.5000
		7209.18.6000	7209.31.0000
		7209.21.0000	7209.32.0000
		7209.22.0000	7209.33.0000
		7209.23.0000	7209.34.0000
		7209.24.5000	7209.41.0000
		7209.25.0010	7209.42.0000
		7209.25.0050	7209.43.0000
		7209.26.0010	7209.44.0000
		7209.26.0050	7209.90.0000
		7209.27.0010	
		7209.27.0050	
		7209.28.0010	
		7209.28.0050	
		7209.31.0000	
		7209.32.0000	
		7209.33.0000	
7209.34.0000			
7209.41.0000			
7209.42.0000			
7209.43.0000			
7209.44.0000			
7209.90.0000			
3311115120	Finished sheet and strip, galvanized, hot dipped.....	7210.41.0000	7210.41.0000
		7210.49.0000	7210.49.0030
		7212.30.0000	7210.49.0090
			7212.30.1030
			7212.30.1090
	7212.30.3000		
	7212.30.5000		
3311115130	Finished sheet and strip, galvanized, electrolytic.....	7210.30.0030	7210.31.0000
		7210.30.0060	7210.39.0000
		7210.31.0000	7212.21.0000
		7210.39.0000	7212.29.0000
		7212.20.1000	
		7212.20.5000	
7212.21.0000			
7212.29.0000			
3311115140, 150	Finished sheet and strip, electrical and other metallic coating, including long ternes.....	7210.20.0000	7210.20.0000
		7210.50.0000	7210.60.0000
		7210.60.0000	7210.70.6030
		7210.70.0000	7210.70.6060
		7210.90.1000	7210.70.6090
		7210.90.5000	7210.90.1000
		7212.40.0000	7210.90.6000
		7212.50.0000	7210.90.9000
		7212.60.0000	7212.40.1000
			7212.40.5000
	7212.50.0000		
	7212.60.0000		

Table 6. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1999

Product code	Product description	Export number 1/	Import number 2/
3312211120	Finished strip, cold rolled.....	7211.30.0000	7211.30.1030
		7211.41.0000	7211.30.1090
		7211.49.0000	7211.30.3000
		7211.90.0000	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		
	7211.90.0000		
33111151C0	Finished tin mill products: Blackplate.....	7209.18.2500	7209.24.1000
		7209.24.1000	
33111151D0	Electrolytic and hot dipped tin plate.....	7210.11.0000	7210.11.0000
		7210.12.0000	7210.12.0000
		7212.10.0000	7212.10.0000
33111151E0, 1F0	Tin free steel and other tin mill products, including short ternes and foil.....	(NA)	(NA)
3311117130, 140	Finished structural shapes (heavy), both wide flange and standard heavy shapes.....	7216.31.0000	7216.31.0000
		7216.32.0000	7216.32.0000
		7216.33.0000	7216.33.0030
		7216.40.0000	7216.33.0060
		7216.50.0000	7216.33.0090
		7216.60.0000	7216.40.0010
		7216.90.0000	7216.40.0050
			7216.50.0000
	7216.60.0000		
	7216.90.0000		
33111171E0	Finished sheet piling and bearing piles.....	7301.10.0000	7301.10.0000
3311117190	Finished bars: Hot-rolled bars (except reinforcing).....	7213.20.0000	7213.20.0000
		7213.39.0000	7213.39.0030
		7213.49.0000	7213.39.0060
		7213.50.0000	7213.39.0090
		7214.10.0000	7213.49.0030
		7214.30.0000	7213.49.0060
		7214.40.0000	7213.49.0090
		7314.50.0000	7213.50.0040
		7214.60.0000	7213.50.0060
		7215.90.0000	7213.50.0080
			7214.10.0000
			7214.30.0000
			7214.40.0010
			7214.40.0030
			7214.40.0050
			7214.50.0010
			7214.50.0030
	7214.50.0050		
	7214.60.0010		
	7214.60.0030		
	7214.60.0050		
	7215.90.1000		

Table 6. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1999

Product code	Product description	Export number 1/	Import number 2/
33111171A0	Light structurals (under 3 inches).....	7216.10.0000	7216.10.0010
		7216.21.0000	7216.10.0050
		7216.22.0000	7216.21.0000
			7216.22.0000
33111171B0	Concrete reinforcing.....	7213.10.0000	7213.10.0000
		7214.20.0000	7214.20.0000
3312213110	Cold finished.....	7215.10.0000	7215.10.0000
		7215.20.0000	7215.20.0000
		7215.30.0000	7215.30.0000
		7215.40.0000	7215.40.0000
		7215.90.0000	7215.90.3000
		7215.90.5000	
331111L110	Finished rails, standard tee (over 60 pounds per yard).....	7302.10.1020	7302.10.1010
			7302.10.1035
331111L120	Finished rails, n.e.c., including light (60 pounds per yard and under).....	7302.10.1030	7302.10.1015
			7302.10.1025
			7302.10.1045
			7302.10.1055
331111L130, 140	Joint bars and tie plates.....	7302.40.0000	7302.40.0000
331111L150, 160, 170	Finished wheels (rolled and forged), axles (rolled and forged), and track spikes.....	(NA)	(NA)
3312100110, 120	Finished line pipe, all diameters.....	7304.10.1020	7304.10.1020
		7304.10.1050	7304.10.1030
		7304.10.1080	7304.10.1045
		7305.11.1000	7304.10.1060
		7305.12.1000	7304.10.1080
		7305.19.1000	7305.11.1030
		7306.10.1000	7305.11.1060
			7305.12.1030
			7305.12.1060
			7305.19.1030
			7305.19.1060
			7306.10.1010
			7306.10.1050
		3312100130	Finished pipe and tubes, oil country goods.....
7304.20.5000	7304.20.1020		
7304.20.7000	7304.20.1030		
7304.21.3000	7304.20.1040		
7304.29.1055	7304.20.1050		
7304.29.5000	7304.20.1060		
7305.20.3000	7304.20.1080		
7306.20.1500	7304.20.2010		
7306.20.6000	7304.20.2020		
	7304.20.2030		
	7304.20.2040		
	7304.20.2050		
	7304.20.2060		
	7304.20.2080		
	7304.20.5015		
	7304.20.5030		
	7304.20.5045		
	7304.20.5060		
	7304.20.5075		
	7304.20.7000		
	7305.20.2000		
	7305.20.4000		
	7306.20.1030		
	7306.20.1090		
	7306.20.2000		
	7306.20.6010		
	7306.20.6050		

Continued

Table 6. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1999

Product code	Product description	Export number 1/	Import number 2/
33121001F0	Finished pipe and tubes, structurals.....	7304.90.4000	7304.90.1000
		7305.90.1000	7304.90.5000
		7306.60.2500	7305.90.1000
		7306.90.1000	7306.60.1000
			7306.60.5000
			7306.90.1000
3312100150, 160 33121001A0, 1B0, 1G0	Finished pipe and tubes (except line pipe, oil country goods, and structurals).....	7304.31.0000	7304.31.6010
		7304.39.0000	7304.31.6050
		7305.31.4000	7304.39.0002
		7305.39.1000	7304.39.0004
		7306.30.1000	7304.39.0006
		7306.30.1500	7304.39.0008
			7304.39.0016
			7304.39.0020
			7304.39.0024
			7304.39.0028
			7304.39.0032
			7304.39.0036
			7304.39.0040
			7304.39.0044
			7304.39.0048
			7304.39.0052
			7304.39.0056
			7304.39.0062
			7304.39.0068
			7304.39.0072
			7304.39.0076
			7304.39.0080
			7305.31.4000
			7305.39.1000
			7306.30.1000
			7306.30.5010
			7306.30.5015
	7306.30.5020		
	7306.30.5025		
	7306.30.5028		
	7306.30.5032		
	7306.30.5035		
	7306.30.5040		
	7306.30.5055		
	7306.30.5085		
	7306.30.5090		
3312225110	Finished plain, flat wire.....	(NA)	7217.11.1000
			7217.11.2000
			7217.11.3000
			7217.21.1000
			7217.31.1000
3312225120	Finished plain, round wire, thermally treated (under 1.5 mm in diameter).....	(NA)	7217.11.5020
			7217.11.5040
			7217.21.3015
			7217.21.3030
			7217.31.3015
			7217.31.3030
3312225130	Finished plain, round wire, thermally treated (1.5 mm or above in diameter)...	(NA)	7217.11.7030
			7217.21.3045
			7217.31.3045

Continued

Table 6. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1999

Product code	Product description	Export number 1/	Import number 2/
3312225140	Finished plain, round wire, other than thermally treated (under 1.5 in diameter).....	(NA)	7217.11.5060 7217.11.5080 7217.21.3060 7217.21.3075 7217.31.3060 7217.31.3075
3312225150	Finished plain, round wire, other than thermally treated (1.5 mm or above in diameter).....	(NA)	7217.11.7090 7217.21.3090 7217.31.3090
3312225160	Finished plain wire, n.e.c., including flat.....	(NA)	7217.11.9000 7217.21.5000 7217.31.5000
3312225110, 120, 130, 140, 150, 160	Finished plain wire.....	7217.10.1510 7217.10.2510 7217.10.7510 7217.11.0000 7217.21.0000 7217.31.0000	(NA)
3312225170	Finished round wire, plated or coated with zinc (under 1.5 mm in diameter)....	(NA)	7217.12.3030 7217.12.3060 7217.22.1015 7217.22.1030 7217.32.1015 7217.32.1030
3312225180	Finished round wire, plated or coated with zinc (1.5 mm or above in diameter).....	(NA)	7217.12.5000 7217.22.1050 7217.32.1050
3312225190	Finished wire shapes (except round) plated or coated with zinc, including flat.....	(NA)	7217.12.1000 7217.12.7000 7217.22.5000 7217.32.5000
3312225170, 180, 190	Finished wire, plated or coated with zinc.....	7217.12.0000 7217.20.1010 7217.20.5010 7217.20.9010 7217.22.0000 7217.32.0000	(NA)
33122251A0, 1B0, 1C0	Finished wire, plated or coated, other than with zinc.....	7217.13.0000 7217.19.0000 7217.23.0000 7217.29.0000 7217.30.1010 7217.30.5010 7217.30.9010 7217.33.0000 7217.39.0000	7217.13.1000 7217.13.3030 7217.13.5000 7217.13.7000 7217.19.1000 7217.19.5000 7217.23.1015 7217.23.1030 7217.23.1050 7217.23.5000 7217.29.1000 7217.29.5000 7217.33.1015 7217.33.1030 7217.33.1050 7217.33.5000 7217.39.1000 7217.39.5000 7247.13.3060

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Table 6. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1999

Product code	Product description	Export number 1/	Import number 2/
3312223120	Finished wire nails and staples.....	7317.00.9000	7317.00.5505 7317.00.5510 7317.00.5520 7317.00.5530 7317.00.5540 7317.00.5550 7317.00.5560 7317.00.5570 7317.00.5580 7317.00.5590 7317.00.6530 7317.00.6560 7317.00.7500
331222B110	Finished barbed and twisted wire.....	7313.00.0000	7313.00.0000
3312227110, 9110	Finished wire fence (woven and welded) and woven wire netting.....	7314.20.0000 7314.30.0000 7314.41.0000 7314.42.0000 7314.49.0000	7314.20.0000 7314.30.1000 7314.30.5000 7314.41.0030 7314.41.0060 7314.42.0030 7314.42.0060 7314.49.3000 7314.49.6000
331222B120	Finished wire bale ties.....	(NA)	(NA)
3312221110	Finished wire rope and cable.....	7312.10.8500	7312.10.7000 7312.10.8000 7312.10.9030 7312.10.9060 7312.10.9090
3312221230	Finished wire strand for prestressed concrete.....	7312.10.3015	7312.10.3010 7312.10.3012
3312221240	Finished wire strand (except for prestressed concrete).....	(NA)	(NA)
3311113120	Alloy steel (except stainless): Ingots.....	7224.10.0000	7224.10.0005 7224.10.0045 7224.10.0075
3311113160, 7150	Semifinished blooms, billets, sheet bars, tube rounds, skelp and slabs.....	7224.90.0000	7224.90.0005 7224.90.0015 7224.90.0025 7224.90.0035 7224.90.0045 7224.90.0055 7224.90.0065 7224.90.0075
3311117150, 160	Finished plates, both cut in lengths and in coils.....	(NA)	7225.30.1000 7225.30.3005 7225.30.3050 7225.40.1015 7225.40.1090 7225.40.3005 7225.40.3050 7225.50.6000 7226.91.5000

Table 6. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1999

Product code	Product description	Export number 1/	Import number 2/
3311115170, 180, 190 3312211130	Finished sheet and strip, hot and cold rolled, galvanized, hot dipped and other metallic coated, including electrolytic.....	(NA)	7225.10.0000 7225.20.0000 7225.30.5030 7225.30.5060 7225.30.7000 7225.40.5030 7225.40.5060 7225.40.5070 7225.50.1030 7225.50.1060 7225.50.7000 7225.50.8000 7225.90.0000
33111151A0, 1140	Finished strip, hot rolled or cold finished.....	(NA)	7226.10.1000 7226.10.5030 7226.10.5060 7226.20.0000 7226.91.0500 7226.91.1530 7226.91.1560 7226.91.2530 7226.91.2560 7226.91.7000 7226.91.8000 7226.92.1030 7226.92.1060 7226.92.3030 7226.92.3060 7226.92.5000 7226.92.7005 7226.92.7050 7226.92.8005 7226.92.8050 7226.99.0000
33111151A0, 5170, 5180, 5190, 7150, 7160 3312211130, 140,	Finished plate, sheet or strip, both hot and cold rolled or cold finished.....	7225.10.0000 7225.20.0000 7225.30.0000 7225.40.0000 7225.50.0000 7225.90.0000 7226.10.0000 7226.20.0000 7226.91.0000 7226.92.2000 7226.92.4000 7226.99.0000	(NA)
33111131A0, 7170, 71C0, 3312213120	Semifinished wire rods, finished structural shapes (3 inches and under) and bars, hot rolled, including structural shapes under 3 inches, and cold finished.....	7227.10.0000 7227.20.0000 7227.90.0000 7228.20.0000 7228.30.8000 7228.40.0000 7228.50.5000 7228.60.5000 7228.70.0000 7228.80.0000	7227.10.0000 7227.20.0000 7227.90.1030 7227.90.1060 7227.90.2030 7227.90.2060 7227.90.6005 7227.90.6050 7228.20.1000 7228.20.5000 7228.30.8005 7228.30.8050 7228.50.5005 7228.50.5050 7228.60.6000 7228.60.8000 7228.70.3020 7228.70.3040 7228.70.3060 7228.70.3080 7228.70.6000 7228.80.0000

Table 6. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1999

Product code	Product description	Export number 1/	Import number 2/
33111171F0	Finished tool steel, high speed.....	7228.10.0000	7228.10.0010 7228.10.0030 7228.10.0060
33111171G0	Finished tool steel (except high speed).....	7228.30.5000 7228.50.1000 7228.60.1000	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
3312100140	Finished oil country goods and line pipe.....	7304.10.5020 7304.10.5050 7304.10.5080 7304.20.3500 7304.20.6000 7304.20.8000 7304.21.6000 7304.29.3055 7304.29.6000 7305.11.5000 7305.12.5000 7305.19.5000 7305.20.7000 7306.10.5000 7306.20.2500 7306.20.8000	7304.10.5020 7304.10.5050 7304.10.5080 7304.20.3010 7304.20.3020 7304.20.3030 7304.20.3040 7304.20.3050 7304.20.3060 7304.20.3080 7304.20.4010 7304.20.4020 7304.20.4030 7304.20.4040 7304.20.4050 7304.20.4060 7304.20.4080 7304.20.6015 7304.20.6030 7304.20.6045 7304.20.6060 7304.20.6075 7304.20.8030 7304.20.8045 7304.20.8060 7305.11.5000 7305.12.5000 7305.19.5000 7305.20.6000 7305.20.8000 7306.10.5010 7306.10.5050 7306.20.3000 7306.20.4000 7306.20.8010 7306.20.8050
3312100170	Finished pressure tubing.....	(NA)	7304.51.5015 7304.51.5045 7304.59.2030 7304.59.2040 7304.59.2045 7304.59.2055 7304.59.2060 7304.59.2070 7304.59.2080 7306.50.5010

Table 6. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1999

Product code	Product description	Export number 1/	Import number 2/
33121001C0, 1D0, 1E0, 1H0, 1J0	Alloy steel, including stainless, finished pipe and tubes, n.e.c., including mechanical, standard, and structural.....	(NA)	7304.41.0045 7304.49.0060 7304.51.1000 7304.51.5060 7304.59.1000 7304.59.6000 7304.59.8010 7304.59.8015 7304.59.8020 7304.59.8025 7304.59.8030 7304.59.8035 7304.59.8040 7304.59.8045 7304.59.8050 7304.59.8055 7304.59.8060 7304.59.8065 7304.59.8070 7304.59.8080 7304.90.3000 7304.90.7000 7305.31.6000 7305.39.5000 7305.90.5000 7306.40.1000 7306.40.1030 7306.40.1090 7306.40.5040 7306.40.5045 7306.40.5055 7306.40.5060 7306.40.5065 7306.40.5075 7306.40.5080 7306.40.5090 7306.50.1000 7306.50.3000 7306.50.5030 7306.50.5050 7306.50.5070 7306.60.3000 7306.60.7000
3312100180	Stainless steel: Pressure tubing, seamless.....	(NA)	7304.41.0015 7304.49.0045
3312100190	Pressure tubing, welded.....	(NA)	7306.40.5015
3312100170, 180, 190 33121001C0, 1D0, 1E0, 1H0, 1J0	Alloy steel, including stainless, pipe and tubes, n.e.c. ....	7304.41.0000 7304.49.0010 7304.49.0040 7304.51.0000 7304.59.0000 7304.90.6000 7305.31.6000 7305.39.5000 7305.90.5000 7306.40.1000 7306.40.5000 7306.50.1000 7306.50.4500 7306.60.6500 7306.90.5000	(NA)

Table 6. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1999

Product code	Product description	Export number 1/	Import number 2/
33122251D0	Alloy steel (except stainless) finished wire, plain or coated.....	7229.10.0000	7229.10.0000
		7229.20.0000	7229.20.0000
		7229.90.0000	7229.90.1000
			7229.90.5015
			7229.90.5030
			7229.90.5050
		7229.90.9000	
3311113130	Stainless steel: Ingots.....	7218.10.0000	7218.10.0000
3311113180	Semifinished blooms, billets, slabs, sheet bars, tube rounds, and skelp.....	7218.90.0000	7218.90.0005
			7218.90.0015
			7218.90.0025
			7218.90.0032
			7218.90.0038
			7218.90.0040
			7218.90.0050
			7218.90.0060
			7218.90.0075
			7218.90.0085
			7218.90.0095
33111131B0, 71D0	Semifinished wire rods and finished bars, hot rolled.....	7221.00.0000	7221.00.0005
		7222.10.0000	7221.00.0015
			7221.00.0030
			7221.00.0045
			7221.00.0075
			7222.10.0005
	7222.10.0050		
3311113180	Finished plates and structurals.....	7219.11.0000	7219.11.0000
		7219.12.0000	7219.12.0005
		7219.21.0000	7219.12.0015
		7219.22.0000	7219.12.0045
		7219.31.0000	7219.12.0075
		7220.11.0000	7219.21.0005
		7222.40.0000	7219.21.0050
			7219.22.0005
			7219.22.0050
			7219.31.0010
			7219.31.0050
			7220.11.0000
			7222.40.3020
			7222.40.3040
			7222.40.3060
			7222.40.3080
	7222.40.6000		
33111151B0	Finished sheet and strip, hot rolled.....	7219.13.0000	7219.13.0030
		7219.14.0000	7219.13.0060
		7219.23.0000	7219.14.0030
		7219.24.0000	7219.14.0060
		7220.12.0000	7219.23.0030
			7219.23.0060
			7219.24.0030
	7219.24.0060		
	7220.12.1000		
	7220.12.5000		

Table 6. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1999

Product code	Product description	Export number 1/	Import number 2/
3312211150	Finished sheet and strip, cold rolled.....	7219.32.0000	7219.32.0015
		7219.33.0000	7219.32.0030
		7219.34.0000	7219.32.0045
		7219.35.0000	7219.32.0050
		7219.90.0000	7219.32.0060
		7220.20.0000	7219.33.0015
		7220.90.0000	7219.33.0030
			7219.33.0045
			7219.33.0060
			7219.34.0010
			7219.34.0050
			7219.35.0010
			7219.35.0050
			7219.90.0000
			7220.20.1000
	7220.20.6005		
	7220.20.6050		
	7220.20.7005		
	7220.20.7050		
	7220.20.8000		
	7220.20.9000		
	7220.90.0000		
3312213130	Finished bars, cold finished.....	7222.20.0000	7222.20.0005
		7222.30.0000	7222.20.0045
			7222.20.0075
			7222.30.0000
33122251E0	Finished round wire (under 0.75 mm in diameter).....	(NA)	7223.00.1015 7223.00.1030
33122251F0	Finished round wire (0.75 mm to under 1.5 mm).....	(NA)	7223.00.1045
33122251G0	Finished round wire, (1.5 mm and above).....	(NA)	7223.00.1060 7223.00.1075
33122251H0	Finished wire, n.e.c., including flat.....	(NA)	7223.00.5000 7223.00.9000
33122251E0, 1F0, 1G0, 1H0	Finished wire.....	7223.00.0000	(NA)

NA Not available. n.e.c. Not elsewhere classified.

1/Source: 1999 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (1999).