



Mineral Industry Surveys

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CHROMIUM IN JANUARY 2008

On the basis of gross weight, consumption of chromium ferroalloys and metal in January 2008 increased 5% compared with consumption in December 2007, according to the U.S. Geological Survey.

Included in this Mineral Industry Surveys are U.S. salient

chromium statistics, U.S. Government stockpile inventory of chromium materials in January 2008, consumption by end use and consumer stocks of chromium ferroalloys and metal at the end of January 2008, and U.S. foreign trade data for selected chromium-containing materials in December 2007.

TABLE 1
U.S. SALIENT CHROMIUM STATISTICS¹

(Metric tons, gross weight)

| | 2006 | 2007 | | | | 2008 January |
|---|----------------------|------------------|----------|-------------------|-----------------------------------|-----------------|
| | January- December | November | December | Fourth quarter | January- December ² | |
| Production: | | | | | | |
| Stainless steel production ³ | 2,460,000 | 187,000 | 160,000 | 517,000 | 2,170,000 | 203,000 |
| Components of U.S. supply: | | | | | | |
| Stainless steel scrap receipts | 1,050,000 | 74,100 | 70,600 | 223,000 | 953,000 | 81,600 |
| Stainless steel scrap consumption | 1,500,000 | 119,000 | 110,000 | 347,000 | 1,430,000 | 119,000 |
| Imports for consumption: | | | | | | |
| Chromite ore | 150,000 | 33,200 | 12,200 | 49,000 | 145,000 | (4) |
| Ferrochromium: | | | | | | |
| More than 4% carbon | 393,000 | 36,100 | 31,900 | 105,000 | 384,000 | (4) |
| More than 3% carbon but not more than 4% carbon | -- | 131 | 136 | 267 | 267 | (4) |
| More than 0.5%, but not more than 3% carbon | 29 | 830 | 870 | 1,900 | 7,110 | (4) |
| Not more than 0.5% carbon | 28,100 | 2,290 | 3,360 | 8,220 | 31,700 | (4) |
| Ferrochromium silicon | 38,300 | 4,000 | 5,400 | 12,200 | 37,300 | (4) |
| Total ferroalloy imports | 459,000 | 43,300 | 41,700 | 127,000 | 460,000 | (4) |
| Chromium metal ⁵ | 10,900 | 547 | 771 | 2,370 | 11,700 | (4) |
| Stainless steel | 872,000 | 58,200 | 57,700 | 176,000 | 809,000 | (4) |
| Stainless steel scrap | 180,000 | 10,000 | 12,800 | 32,400 | 118,000 | (4) |
| Distribution of U.S. supply: | | | | | | |
| Consumption, industry, chromium ferroalloys and metal | 407,000 ^r | 35,500 | 32,800 | 105,000 | 447,000 | 34,300 |
| Exports: | | | | | | |
| Chromite ore | 53,900 | 525 | 534 | 7,400 | 37,600 | (4) |
| Chromium ferroalloys: | | | | | | |
| High-carbon ferrochromium | 18,800 | 694 ^r | 693 | 1,870 | 24,700 | (4) |
| Low-carbon ferrochromium | 16,600 | 873 | 725 | 2,050 | 16,200 | (4) |
| Ferrochromium silicon | 248 | 11 | 20 | 31 | 328 | (4) |
| Total ferroalloy exports | 35,700 | 1,580 | 1,440 | 3,950 | 41,100 | (4) |
| Chromium metal | 1,020 | 125 | 67 | 266 | 1,210 | (4) |
| Stainless steel | 410,000 | 34,100 | 37,300 | 110,000 | 476,000 | (4) |
| Stainless steel scrap | 1,350,000 | 83,100 | 82,800 | 245,000 | 882,000 | (4) |
| Stocks at end of period: | | | | | | |
| Consumer, industry, chromium ferroalloys and metal | XX | 12,200 | 13,500 | XX | XX | 11,200 |
| Government stockpile: | | | | | | |
| Chromium ferroalloys | XX | 162,000 | 155,000 | XX | XX | 153,000 |
| Chromium metal | XX | 5,030 | 4,970 | XX | XX | 4,970 |

^rRevised. XX Not applicable. -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²May include revised data that are not broken out by specific month.

³Data on stainless steel production reported by American Iron and Steel Institute; monthly, quarterly, and year-to-date production of stainless and heat-resisting raw steel.

⁴Data to be published in a subsequent issue.

⁵Includes waste and scrap and other.

TABLE 2
U.S. REPORTED CONSUMPTION AND STOCKS OF CHROMIUM PRODUCTS^{1,2}

(Metric tons, gross weight unless otherwise noted)

| | 2007 | | 2008 January |
|--------------------------------------|-----------------|----------------------|-----------------|
| | December | January- December | |
| Consumption by end use: | | | |
| Alloy uses: | | | |
| Steel: | | | |
| Carbon steel | 293 | 4,160 | 295 |
| High-strength low-alloy steel | 309 | 3,020 | 251 |
| Stainless and heat-resisting steel | 27,200 | 376,000 | 28,200 |
| Full alloy steel | 1,330 | 17,500 | 1,820 |
| Tool steel | 378 | 5,090 | 416 |
| Steel end use, not reported by grade | 2,150 | 25,700 | 2,160 |
| Superalloys | 419 | 7,300 | 464 |
| Other alloys and uses ³ | 706 | 8,710 | 697 |
| Total | 32,800 | 447,000 | 34,300 |
| Total, chromium content | 19,200 | 262,000 | 20,000 |
| Consumption by material: | | | |
| Low-carbon ferrochromium | 2,080 | 29,300 | 2,480 |
| High-carbon ferrochromium | 28,000 | 380,000 | 28,800 |
| Ferrochromium silicon | W | W | W |
| Chromium metal ⁴ | 204 | 3,840 | 243 |
| Chromite ore | W | W | W |
| Chromium-aluminum alloy | W | W | W |
| Other chromium materials | W | W | W |
| Total | 32,800 | 447,000 | 34,300 |
| Total, chromium content | 19,200 | 262,000 | 20,000 |
| Consumer stocks: | | | |
| Low-carbon ferrochromium | 1,770 | XX | 1,790 |
| High-carbon ferrochromium | 10,400 | XX | 8,140 |
| Ferrochromium silicon | 1,160 | XX | 970 |
| Chromium metal | 143 | XX | 192 |
| Chromium-aluminum alloy | W | XX | W |
| Other chromium materials | 40 ^r | XX | 34 |
| Total | 13,500 | XX | 11,200 |
| Total, chromium content | 7,940 | XX | 6,500 |

^rRevised. W Withheld to avoid disclosing company proprietary data; included in "Total." XX Not applicable.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes estimates.

³Includes cast irons, welding and alloy hard-facing rods and materials, wear- and corrosion-resistant alloys, and aluminum, copper, magnetic, nickel, and other alloys.

⁴Includes waste and scrap and other.

TABLE 3
U.S. GOVERNMENT STOCKPILE INVENTORY OF
CHROMIUM MATERIALS ^{1,2}

(Metric tons)

| Period | Chromium ferroalloys | | Chromium metal |
|---------------|----------------------------|---------------------------|----------------|
| | High-carbon ferro-chromium | Low-carbon ferro-chromium | |
| 2007: | | | |
| January | 223,000 | 111,000 | 5,280 |
| February | 215,000 | 108,000 | 5,280 |
| March | 204,000 | 98,900 | 5,280 |
| April | 191,000 | 94,900 | 5,280 |
| May | 177,000 | 91,300 | 5,280 |
| June | 177,000 | 86,700 | 5,280 |
| July | 177,000 | 86,700 | 5,150 |
| August | 170,000 | 92,200 | 5,150 |
| September | 113,000 | 61,000 | 5,150 |
| October | 108,000 | 60,500 | 5,090 |
| November | 104,000 | 57,800 | 5,030 |
| December | 99,400 | 55,400 | 4,970 |
| 2008, January | 98,200 | 54,700 | 4,970 |

¹Data are rounded to no more than three significant digits.

²These Government stocks are reported by the Defense National Stockpile Center in Inventory of Stockpile Materials D-1, which reports uncommitted inventory. Uncommitted inventory is that inventory for which there is no sales contract. Committed inventory is that inventory for which there is a sales contract, however, the material has not yet been shipped. For chromium materials, the D-1 report includes chromium materials that (1) meet specifications and are held in excess of goal and (2) do not meet specifications and are held in excess of goal. The D-1 report excludes chromium materials that are committed and awaiting shipment.

Source: Defense National Stockpile Center.

TABLE 4
U.S. EXPORTS OF CHROMITE ORE, CHROMIUM FERROALLOYS, AND METAL¹

| Period | Chromite ore | | Chromium ferroalloys ² | | | Chromium metal ³ | |
|------------------|-------------------------------|----------------------|-----------------------------------|-----------------------------------|----------------------|-------------------------------|----------------------|
| | Gross weight (metric tons) | Value (thousands) | Gross weight (metric tons) | Chromium content (metric tons) | Value (thousands) | Gross weight (metric tons) | Value (thousands) |
| 2006: | | | | | | | |
| December | 286 | \$116 | 7,380 | 4,410 | \$8,550 | 62 | \$1,490 |
| January-December | 53,900 | 10,200 | 35,700 | 21,300 | 38,100 | 1,020 | 21,300 |
| 2007: | | | | | | | |
| January | 455 | 185 | 5,410 | 3,330 | 6,050 | 107 | 1,990 |
| February | 821 | 361 | 16,300 | 11,100 | 15,500 | 115 | 1,600 |
| March | 899 | 368 | 1,320 | 745 | 1,620 | 80 | 1,600 |
| April | 12,000 | 748 | 1,820 | 1,070 | 2,310 | 140 | 2,490 |
| May | 13,100 | 1,150 | 4,060 | 2,540 | 5,740 | 105 | 1,440 |
| June | 790 | 308 | 1,830 | 1,040 | 2,680 | 75 | 1,520 |
| July | 844 | 350 | 1,130 | 657 | 1,760 | 102 | 1,760 |
| August | 874 | 364 | 1,270 | 747 | 1,960 | 123 | 2,690 |
| September | 406 | 231 | 4,030 | 2,470 | 6,760 | 95 | 1,670 |
| October | 6,340 | 812 | 933 | 568 | 1,620 | 74 | 1,390 |
| November | 525 | 400 | 1,580 | 831 | 2,600 | 125 | 3,850 |
| December | 534 | 284 | 1,440 | 737 | 2,680 | 67 | 1,170 |
| January-December | 37,600 | 5,560 | 41,100 | 25,800 | 51,200 | 1,210 | 23,200 |

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes low- and high-carbon ferrochromium and ferrochromium silicon.

³Includes chromium metal, waste and scrap, and unwrought powders.

Source: U.S. Census Bureau.

TABLE 5
U.S. IMPORTS FOR CONSUMPTION OF CHROMITE ORE, FERROCHROMIUM, AND CHROMIUM METAL¹

(Metric tons)

| | 2006 | 2007 | | | January- December ² |
|--|----------------------|---------|----------|----------|-----------------------------------|
| | January- December | October | November | December | |
| Chromite ore: | | | | | |
| Not more than 40%: | | | | | |
| Gross weight | 117 | 20 | -- | 17 | 52 |
| Chromic oxide content | 45 | 7 | -- | 6 | 19 |
| More than 40% but less than 46% chromic oxide: | | | | | |
| Gross weight | 3,810 | 144 | 134 | 24 | 26,400 |
| Chromic oxide content | 1,750 | 66 | 61 | 11 | 12,100 |
| 46% or more chromic oxide: | | | | | |
| Gross weight | 146,000 | 3,380 | 33,100 | 12,200 | 119,000 |
| Chromic oxide content | 76,300 | 1,620 | 15,300 | 6,260 | 55,600 |
| Total, all grades: | | | | | |
| Gross weight | 150,000 | 3,540 | 33,200 | 12,200 | 145,000 |
| Chromic oxide content | 78,100 | 1,700 | 15,300 | 6,270 | 67,800 |
| Ferrochromium: | | | | | |
| Low-carbon: ³ | | | | | |
| Not more than 0.5%: | | | | | |
| Gross weight | 28,100 | 2,570 | 2,290 | 3,360 | 31,700 |
| Chromium content | 19,300 | 1,770 | 1,570 | 2,300 | 21,000 |
| More than 0.5% but not more than 3%: | | | | | |
| Gross weight | 29 | 200 | 830 | 870 | 7,110 |
| Chromium content | 23 | 108 | 448 | 469 | 4,020 |
| Total, low-carbon: | | | | | |
| Gross weight | 28,100 | 2,770 | 3,120 | 4,230 | 38,800 |
| Chromium content | 19,300 | 1,880 | 2,020 | 2,770 | 25,100 |
| Medium-carbon: ⁴ | | | | | |
| Gross weight | -- | -- | 131 | 136 | 267 |
| Chromium content | -- | -- | 71 | 73 | 144 |
| High-carbon: ⁵ | | | | | |
| Gross weight | 393,000 | 36,900 | 36,100 | 31,900 | 384,000 |
| Chromium content | 230,000 | 22,100 | 21,900 | 18,600 | 217,000 |
| Total, all grades: | | | | | |
| Gross weight | 421,000 | 39,600 | 39,300 | 36,300 | 423,000 |
| Chromium content | 249,000 | 23,900 | 23,900 | 21,400 | 242,000 |
| Chromium metal: | | | | | |
| Unwrought powders | 1,250 | 23 | 59 | 63 | 822 |
| Waste and scrap | 90 | 72 | 66 | 17 | 357 |
| Other than waste and scrap and unwrought powders | 9,540 | 953 | 422 | 691 | 10,500 |
| Total, all grades: | 10,900 | 1,050 | 547 | 771 | 11,700 |

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²May include revised data that are not broken out by specific month.

³Ferrochromium containing not more than 3% carbon.

⁴Ferrochromium containing more than 3% carbon but not more than 4% carbon.

⁵Ferrochromium containing more than 4% carbon.

Source: U.S. Census Bureau.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF CHROMITE ORE AND FERROCHROMIUM SILICON IN 2007,
BY GRADE AND BY COUNTRY¹

| Grade and country | January-December ² | | | |
|--|-------------------------------|---|-----------------------------------|-----------------------------------|
| | Gross weight (metric tons) | Cr ₂ O ₃ (metric tons) | Chromium content (metric tons) | Value ³ (thousands) |
| Chromite ore: | | | | |
| Not more than 40% chromic oxide: | | | | |
| Canada | 47 | 17 | XX | \$23 |
| China | 5 | 2 | XX | 4 |
| Total | 52 | 19 | XX | 26 |
| More than 40% but less than 46% chromic oxide: | | | | |
| South Africa | 26,400 | 12,100 | XX | 2,180 |
| Zimbabwe | 1 | 1 | XX | 3 |
| Total | 26,400 | 12,100 | XX | 2,180 |
| 46% or more chromic oxide: | | | | |
| India | 1 | 1 | XX | 3 |
| South Africa | 119,000 | 55,600 | XX | 20,400 |
| Total | 119,000 | 55,600 | XX | 20,400 |
| All grades: | | | | |
| Canada | 47 | 17 | XX | 23 |
| China | 5 | 2 | XX | 4 |
| India | 1 | 1 | XX | 3 |
| South Africa | 145,000 | 67,800 | XX | 22,600 |
| Zimbabwe | 1 | 1 | XX | 3 |
| Total | 145,000 | 67,800 | XX | 22,700 |
| Ferrochromium silicon: | | | | |
| Kazakhstan | 23,600 | XX | 9,450 | 27,400 |
| Russia | 13,700 | XX | 5,170 | 7,970 |
| Total | 37,300 | XX | 14,600 | 35,400 |

XX Not applicable.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²May include revised data.

³Customs import value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other charges incurred in bringing the merchandise into the United States.

Source: U.S. Census Bureau.

TABLE 7
U.S. IMPORTS FOR CONSUMPTION OF FERROCHROMIUM IN 2007,
BY GRADE AND BY COUNTRY¹

| Grade and country | December | | | January-December ² | | |
|--|-------------------------------|-----------------------------------|-----------------------------------|-------------------------------|-----------------------------------|-----------------------------------|
| | Gross weight (metric tons) | Chromium content (metric tons) | Value ³ (thousands) | Gross weight (metric tons) | Chromium content (metric tons) | Value ³ (thousands) |
| High-carbon ferrochromium:⁴ | | | | | | |
| India | 2,820 | 1,780 | \$5,290 | 4,300 | 2,710 | \$7,590 |
| Kazakhstan | 10,700 | 7,470 | 24,800 | 107,000 | 74,400 | 162,000 |
| Mexico | 20 | 14 | 39 | 40 | 28 | 71 |
| Netherlands | -- | -- | -- | 1,140 | 719 | 2,070 |
| Russia | -- | -- | -- | 18,500 | 11,600 | 22,600 |
| South Africa | 18,200 | 9,170 | 18,700 | 233,000 | 116,000 | 178,000 |
| Sweden | -- | -- | -- | 41 | 28 | 105 |
| Switzerland | -- | -- | -- | 3,500 | 1,680 | 2,130 |
| Tajikistan | -- | -- | -- | 5 | 3 | 9 |
| Turkey | 255 | 158 | 157 | 255 | 158 | 157 |
| United Kingdom | -- | -- | -- | 1 | (5) | 3 |
| Zimbabwe | -- | -- | -- | 17,100 | 10,200 | 23,700 |
| Total | 31,900 | 18,600 | 49,000 | 384,000 | 217,000 | 398,000 |
| Medium-carbon ferrochromium, ⁶ Russia | 136 | 73 | 73 | 267 | 144 | 143 |
| Low-carbon ferrochromium:⁷ | | | | | | |
| More than 0.5% but not more than 3%: | | | | | | |
| Kazakhstan | -- | -- | -- | 1,110 | 777 | 2,090 |
| South Africa | 870 | 469 | 1,090 | 6,000 | 3,250 | 6,520 |
| Total | 870 | 469 | 1,090 | 7,110 | 4,020 | 8,610 |
| Not more than 0.5% carbon: | | | | | | |
| Brazil | -- | -- | -- | 5 | 3 | 10 |
| China | -- | -- | -- | 225 | 148 | 479 |
| France | -- | -- | -- | 6 | 4 | 21 |
| Germany | 320 | 226 | 743 | 5,720 | 4,020 | 12,900 |
| Japan | 421 | 280 | 638 | 5,620 | 3,760 | 10,100 |
| Kazakhstan | 404 | 279 | 1,350 | 3,600 | 2,500 | 7,930 |
| Mexico | 14 | 9 | 41 | 14 | 9 | 41 |
| Russia | 2,200 | 1,500 | 7,280 | 15,500 | 10,000 | 32,600 |
| South Africa | -- | -- | -- | 718 | 427 | 1,050 |
| Sweden | -- | -- | -- | 218 | 153 | 622 |
| Turkey | 5 | 3 | 14 | 13 | 8 | 40 |
| Total | 3,360 | 2,300 | 10,100 | 31,700 | 21,000 | 65,800 |
| All grades: | | | | | | |
| Brazil | -- | -- | -- | 5 | 3 | 10 |
| China | -- | -- | -- | 225 | 148 | 479 |
| France | -- | -- | -- | 6 | 4 | 21 |
| Germany | 320 | 226 | 743 | 5,720 | 4,020 | 12,900 |
| India | 2,820 | 1,780 | 5,290 | 4,300 | 2,710 | 7,590 |
| Japan | 421 | 280 | 638 | 5,620 | 3,760 | 10,100 |
| Kazakhstan | 11,100 | 7,750 | 26,200 | 111,000 | 77,700 | 172,000 |
| Mexico | 33 | 23 | 80 | 53 | 37 | 112 |
| Netherlands | -- | -- | -- | 1,140 | 719 | 2,070 |
| Russia | 2,330 | 1,570 | 7,350 | 34,300 | 21,800 | 55,300 |
| South Africa | 19,000 | 9,640 | 19,800 | 239,000 | 119,000 | 185,000 |
| Sweden | -- | -- | -- | 258 | 181 | 728 |
| Switzerland | -- | -- | -- | 3,500 | 1,680 | 2,130 |
| Tajikistan | -- | -- | -- | 5 | 3 | 9 |
| Turkey | 260 | 161 | 170 | 268 | 166 | 197 |
| United Kingdom | -- | -- | -- | 1 | (5) | 3 |
| Zimbabwe | -- | -- | -- | 17,100 | 10,200 | 23,700 |
| Total | 36,300 | 21,400 | 60,200 | 423,000 | 242,000 | 473,000 |

See footnotes at end of table.

TABLE 7—Continued
U.S. IMPORTS FOR CONSUMPTION OF FERROCHROMIUM IN 2007,
BY GRADE AND BY COUNTRY¹

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²May include revised data.

³Customs import value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other charges incurred in bringing the merchandise into the United States.

⁴Ferrochromium containing more than 4% carbon.

⁵Less than ½ unit.

⁶Ferrochromium containing more than 3% carbon but not more than 4% carbon.

⁷Ferrochromium containing not more than 3% carbon.

Source: U.S. Census Bureau.

TABLE 8
U.S. IMPORTS FOR CONSUMPTION OF CHROMIUM METAL IN 2007,
BY GRADE AND BY COUNTRY¹

| Grade and country | December | | January-December ² | |
|--|-------------------------------|-----------------------------------|-------------------------------|-----------------------------------|
| | Gross weight (metric tons) | Value ³ (thousands) | Gross weight (metric tons) | Value ³ (thousands) |
| Unwrought powders: | | | | |
| China | 22 | \$880 | 143 | \$3,110 |
| France | -- | -- | 8 | 68 |
| Germany | (4) | 2 | 42 | 271 |
| Japan | 4 | 183 | 52 | 1,880 |
| Russia | 36 | 261 | 287 | 2,570 |
| Singapore | -- | -- | 1 | 11 |
| Spain | -- | -- | 31 | 171 |
| United Kingdom | (4) | 66 | 258 | 2,410 |
| Total | 63 | 1,390 | 822 | 10,500 |
| Waste and scrap: | | | | |
| Germany | -- | -- | 18 | 102 |
| Japan | -- | -- | 35 | 294 |
| Korea, Republic of | -- | -- | (4) | 8 |
| Malaysia | -- | -- | 11 | 47 |
| Mexico | 17 | 72 | 271 | 1,420 |
| Singapore | -- | -- | 7 | 124 |
| Taiwan | -- | -- | 16 | 198 |
| Total | 17 | 72 | 357 | 2,200 |
| Other than waste and scrap and unwrought powders: | | | | |
| China | 75 | 774 | 1,860 | 15,100 |
| France | 247 | 2,480 | 2,610 | 23,500 |
| Germany | (4) | 53 | 144 | 1,860 |
| Hong Kong | -- | -- | (4) | 8 |
| Italy | -- | -- | (4) | 19 |
| Japan | 1 | 19 | 22 | 223 |
| Russia | 200 | 1,690 | 4,070 | 29,200 |
| Switzerland | -- | -- | (4) | 5 |
| United Kingdom | 167 | 1,390 | 1,810 | 14,700 |
| Total | 691 | 6,410 | 10,500 | 84,700 |
| All grades: | | | | |
| China | 97 | 1,650 | 2,000 | 18,200 |
| France | 247 | 2,480 | 2,620 | 23,600 |
| Germany | (4) | 56 | 205 | 2,230 |
| Hong Kong | -- | -- | (4) | 8 |
| Italy | -- | -- | (4) | 19 |
| Japan | 5 | 201 | 108 | 2,400 |
| Korea, Republic of | -- | -- | (4) | 8 |
| Malaysia | -- | -- | 11 | 47 |
| Mexico | 17 | 72 | 271 | 1,420 |
| Russia | 237 | 1,960 | 4,350 | 31,800 |
| Singapore | -- | -- | 7 | 135 |
| Spain | -- | -- | 31 | 171 |
| Switzerland | -- | -- | (4) | 5 |
| Taiwan | -- | -- | 16 | 198 |
| United Kingdom | 167 | 1,460 | 2,070 | 17,100 |
| Total | 771 | 7,870 | 11,700 | 97,400 |

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²May include revised data.

³Customs import value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other charges incurred in bringing the merchandise into the United States.

⁴Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 9
U.S. STAINLESS STEEL TRADE, BY PRODUCT, IN 2007¹

| Stainless steel product | December | | January-December | |
|----------------------------------|-------------------------------|-----------------------------------|-------------------------------|-----------------------------------|
| | Gross weight (metric tons) | Value ² (thousands) | Gross weight (metric tons) | Value ² (thousands) |
| Exports: | | | | |
| Ingot | 1,380 | \$8,510 | 15,600 | \$98,500 |
| Flat-rolled (width > 600 mm) | 21,500 | 61,500 | 266,000 | 791,000 |
| Flat-rolled (width < 600 mm) | 7,350 | 36,100 | 94,800 | 501,000 |
| Bars and rods in irregular coils | 232 | 1,510 | 7,310 | 37,300 |
| Other bars and rods | 2,670 | 20,500 | 38,000 | 279,000 |
| Wire | 466 | 3,600 | 8,600 | 61,800 |
| Tubes, pipes, hollow profiles | 3,690 | 28,000 | 45,800 | 339,000 |
| Total | 37,300 | 160,000 | 476,000 | 2,110,000 |
| Stainless steel scrap | 82,800 | 117,000 | 882,000 | 1,620,000 |
| Grand total | 120,000 | 277,000 | 1,360,000 | 3,730,000 |
| Imports: | | | | |
| Ingot | 9,470 | 41,700 | 129,000 | 628,000 |
| Flat-rolled (width > 600 mm) | 25,000 | 86,500 | 337,000 | 1,430,000 |
| Flat-rolled (width < 600 mm) | 3,080 | 15,900 | 43,000 | 234,000 |
| Bars and rods in irregular coils | 1,790 | 8,520 | 27,700 | 138,000 |
| Other bars and rods | 7,870 | 45,100 | 101,000 | 564,000 |
| Wire | 2,940 | 17,900 | 42,200 | 273,000 |
| Tubes, pipes, hollow profiles | 7,520 | 61,600 | 129,000 | 1,030,000 |
| Total | 57,700 | 277,000 | 809,000 | 4,300,000 |
| Stainless steel scrap | 12,800 | 29,800 | 118,000 | 198,000 |
| Grand total | 70,400 | 307,000 | 927,000 | 4,500,000 |

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Export value is free alongside ship (f.a.s.). Import value is Customs import value, which generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other charges incurred in bringing the merchandise into the United States.

Source: U.S. Census Bureau.