

# Value of Product Shipments: 2001

Issued January 2003

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Annual Survey of Manufactures



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

*Helping You Make Informed Decisions*

U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



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# Introduction

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## SCOPE

The Annual Survey of Manufactures (ASM) provides sample estimates of statistics for all manufacturing establishments with one or more paid employee. Manufacturing is defined as the mechanical, physical, or chemical transformation of materials or substances into new products. The assembly of components into new products is also considered manufacturing, except when it is appropriately classified as construction.

Establishments in the manufacturing sector are often described as plants, factories, or mills and typically use power-driven machines and materials-handling equipment. Also included in the manufacturing sector are some establishments that make products by hand, like custom tailors and the makers of custom draperies. While manufacturers typically do not sell to the public, some establishments like bakeries and candy stores that make products on the premises may be included.

## GENERAL

This report presents manufacturing establishment statistics from the 2000 Annual Survey of Manufactures (ASM). Three reports are issued from this survey.

The report *Statistics for Industry Groups and Industries* presents 2000 and earlier years data at the three-, four-, five-, and six-digit North American Industry Classification System (NAICS) levels. The 1997 data are from the 1997 Economic Census and include revisions made to the data since its initial release. The report also includes a historic table with data for the all-manufacturing level back to 1977. This report includes statistics for employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, detailed capital expenditures, supplemental labor costs, fuels and electric energy used, and inventories by stage of fabrication.

The report *Geographic Area Statistics* presents similar data for each state and the District of Columbia. This report includes statistics at the NAICS three- and four-digit levels for employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, and total capital expenditures. Data for detailed capital expenditures, supplemental labor costs, fuels and electric energy used, and inventories by stage of fabrication are presented at the state level.

The report *Value of Product Shipments* presents shipments data for the 473 six-digit NAICS product groups and approximately 1,500 seven-digit NAICS product classes.

## COMPARABILITY WITH HISTORIC DATA

The adoption of the North American Industry Classification System (NAICS) in the 1997 Economic Census has had a major impact on the comparability of current and historic data. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those that left manufacturing are logging and portions of publishing. Prominent among the industries that came into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. The net effect of the classification changes are such that if the 1997 value of shipments data for all manufacturers were tabulated on an SIC basis, it would be approximately 3 percent higher.

Another change resulting from the conversion to NAICS is that data for auxiliaries and central administrative offices (CAOs) associated with manufacturers are not presented with the manufacturing data.

It should also be noted that while the Census Bureau published "new capital expenditures" in the past, starting with 1997 it is publishing "total capital expenditures." The historic data presented in this report have been adjusted to be consistent with the new policy.

## DISCLOSURE

In accordance with federal law governing census reports (Title 13, United States Code), no data are published that would disclose the operations of an individual company.

The disclosure analysis for the industry statistics files is based on the total value of shipments. When the total value of shipments cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. However, the

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suppressed data are included in higher-level totals. A separate disclosure analysis is performed for capital expenditures that can be suppressed even though value of shipments data are published.

### **AVAILABILITY OF MORE FREQUENT MANUFACTURING DATA**

The Census Bureau conducts the ASM in each of the 4 years between the economic census, which is collected for years ending in 2 and 7. The economic census – manufacturing is the sample frame from which the ASM is chosen and presents more detailed data than the ASM.

In addition, the Census Bureau conducts a Current Industrial Reports (CIR) program. The CIR publishes product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly.

The Census Bureau also conducts the monthly Manufacturers' Shipments, Inventories, and Orders (M3) program, which publishes detailed statistics for manufacturing industries at the U.S. level.

### **INDUSTRY CLASSIFICATION OF ESTABLISHMENTS**

Each of the establishments canvassed in the ASM was classified in 1 of 473 manufacturing industries in accordance with the industry definitions in the *1997 NAICS Manual*.

In the NAICS system, an industry is generally defined as a group of establishments that have similar production processes. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of number, value added by manufacture, value of shipments, and number of employees.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the manufacturing sector, there are 21 subsectors (three-digit NAICS), 86 industry groups (four-digit NAICS), 184 NAICS industries (five-digit NAICS) that are comparable with Canadian and Mexican classification, and 473 U.S. industries (six-digit NAICS). Product classes and products of the manufacturing industries have been assigned codes based on the industry from which they primarily originate. In the NAICS system, there are about 1,500 product classes (seven-digit codes), about 6,000 census products, and an additional 3,700 CIR products (ten-digit codes). The ten-digit products are considered the primary products of the industry with the same first six digits.

In the 1997 Economic Census – Manufacturing, all establishments were classified in particular industries based on the products they produced. If an establishment made

products of more than one industry, it was classified in the industry with the largest product value. In the census years, there were no resistance rules or frozen industries.

In ASM years, establishments included in the ASM sample with certainty weights are reclassified by industry only if the change in the primary activity from the prior year is significant or if the change has occurred for two successive years. This procedure prevents reclassification when there are minor shifts in product mix.

In ASM years, establishments included in the ASM sample with noncertainty weight are not shifted from one industry classification to another. They are retained in the industry where they were classified in the base census year. However, in the following census year, these ASM plants are allowed to shift from one industry to another.

The results of these rules covering the switching of plants from one industry classification to another are that some industries comprise different mixes of establishments in different survey years. Hence, comparisons between prior-year and current-year published totals, particularly at the six-digit NAICS level, should be viewed with caution. This is particularly true for the comparison between the data shown for a census year versus the data shown for the previous ASM year.

### **ESTABLISHMENT BASIS OF REPORTING**

The ASM is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each location or establishment selected in the sample. Companies engaged in distinctly different lines of activity at one location are requested to submit separate reports if the plant records permit such a separation and if the activities are substantial in size.

### **DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS**

Data for cost of materials and value of shipments include varying amounts of duplication, especially at higher levels of aggregation. This is because the products of one establishment may be the materials of another. The value added statistics avoid this duplication and are, for most purposes, the best measure for comparing the relative economic importance of industries and geographic areas.

### **VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS**

The 1997 Economic Census – Manufacturing shows value of shipments data for industries and products. In the industry statistics tables and files, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries

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(secondary to the industry), and miscellaneous receipts (repair work, sale of scrap, research and development, installation receipts, and resales). Value of product shipments shown in the products statistics tables and files represent the total value of all products shipped that are classified as primary to an industry regardless of the classification of the producing establishment.

### **DOLLAR VALUES**

All dollar values presented are expressed in current dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

### **ABBREVIATIONS AND SYMBOLS**

The following abbreviations and symbols are used with the data:

A	Standard error of 100 percent or more.
D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
N	Not available or not comparable.
S	Withheld because estimates did not meet publication standards.
X	Not applicable.
r	Revised.
nec	Not elsewhere classified.
nsk	Not specified by kind.
–	Represents zero (page image/print only).
NAICS	North American Industry Classification System.



**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
311111	Dog and cat food.....	2001..	3
		2000..	3
		1999..	3
		1998..	1
		1997..	X
3111111	Dog food.....	2001..	5
		2000..	5
		1999..	4
		1998..	1
		1997..	X
3111114	Cat food.....	2001..	2
		2000..	3
		1999..	2
		1998..	1
		1997..	X
311111W	Dog and cat food, nsk, total.....	2001..	46
		2000..	62
		1999..	53
		1998..	1
		1997..	X
311119	Other animal food products.....	2001..	4
		2000..	4
		1999..	4
		1998..	2
		1997..	X
3111191	Chicken and turkey feed, supplements, concentrates, and premixes.....	2001..	5
		2000..	5
		1999..	4
		1998..	1
		1997..	X
3111194	Dairy cattle feed, complete.....	2001..	8
		2000..	9
		1999..	8
		1998..	1
		1997..	X
3111197	Dairy cattle feed supplements, concentrates, and premixes.....	2001..	7
		2000..	5
		1999..	5
		1998..	2
		1997..	X
311119A	Swine feed, complete.....	2001..	12
		2000..	11
		1999..	20
		1998..	9
		1997..	X
311119D	Swine feed supplements, concentrates, and premixes.....	2001..	7
		2000..	21
		1999..	7
		1998..	4
		1997..	X
311119G	Beef cattle feed, complete.....	2001..	7
		2000..	8
		1999..	9
		1998..	13
		1997..	X
311119J	Beef cattle feed supplements, concentrates, and premixes.....	2001..	18
		2000..	2
		1999..	3
		1998..	9
		1997..	X
311119M	Other poultry and livestock feed, nec.....	2001..	9
		2000..	10
		1999..	5
		1998..	4
		1997..	X
311119P	Other prepared animal feed, including feeding materials and adjuncts, nec.....	2001..	19
		2000..	21
		1999..	13
		1998..	3
		1997..	X
311119T	Specialty feed.....	2001..	13
		2000..	16
		1999..	19
		1998..	6
		1997..	X
311119W	Prepared feeds, nec, nsk, total.....	2001..	41
		2000..	40
		1999..	32
		1998..	13
		1997..	X
311211	Flour and other grain mill products.....	2001..	3
		2000..	3
		1999..	3
		1998..	1
		1997..	X
3112111	Wheat flour, except flour mixes.....	2001..	4
		2000..	3
		1999..	3
		1998..	1
		1997..	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
311211	Flour and other grain mill products—Con.		
3112114	Wheat mill products other than flour .....	2001.. 516 695	7
		2000.. 487 355	6
		1999.. 476 716	4
		1998.. 639 948	3
		1997.. 784 114	X
3112117	Corn mill products .....	2001.. 834 640	2
		2000.. 797 350	2
		1999.. 780 375	1
		1998.. 855 100	2
		1997.. 903 232	X
311211A	Flour mixes, and refrigerated and frozen doughs and batters made in flour mills\$ .....	2001.. 495 843	13
		2000.. 423 674	15
		1999.. 422 607	15
		1998.. 624 819	5
		1997.. 517 430	X
311211D	Other grain mill products, nec .....	2001.. 162 893	4
		2000.. 208 302	1
		1999.. 210 351	1
		1998.. 207 834	1
		1997.. 196 996	X
311211W	Flour and other grain mill products, nsk, total .....	2001.. 256 781	37
		2000.. 229 297	41
		1999.. 217 233	44
		1998.. 398 898	7
		1997.. 288 702	X
311212	Rice .....	2001.. 1 678 221	5
		2000.. 1 836 878	4
		1999.. 2 064 015	3
		1998.. 2 093 274	3
		1997.. 2 147 313	X
3112120	Milled rice and byproducts .....	2001.. 1 678 221	5
		2000.. 1 836 878	4
		1999.. 2 064 015	3
		1998.. 2 093 274	3
		1997.. 2 147 313	X
311213	Malt beverages .....	2001.. 497 632	2
		2000.. 501 919	2
		1999.. 482 214	2
		1998.. 613 245	7
		1997.. 770 420	X
3112130	Barley, rye, wheat, corn, and rice malt sprouts and malt byproducts (screenings, chaff, skimmings, etc.) .....	2001.. 497 632	2
		2000.. 501 919	2
		1999.. 482 214	2
		1998.. 613 245	7
		1997.. 770 420	X
311221	Wet corn products .....	2001.. 6 146 868	2
		2000.. 6 724 764	2
		1999.. 7 047 165	2
		1998.. 7 162 676	1
		1997.. 7 188 399	X
3112211	Corn sweeteners .....	2001.. 2 984 615	2
		2000.. 3 099 765	2
		1999.. 3 039 579	2
		1998.. 2 983 421	1
		1997.. 3 056 213	X
3112214	Manufactured starch .....	2001.. 1 375 863	9
		2000.. 1 416 264	9
		1999.. 1 370 836	9
		1998.. 1 447 251	1
		1997.. 1 526 122	X
3112217	Corn oil .....	2001.. 544 979	1
		2000.. 839 850	2
		1999.. 1 236 356	2
		1998.. 1 096 080	1
		1997.. 980 394	X
311221A	Wet process corn byproducts .....	2001.. 1 157 798	4
		2000.. 1 269 315	3
		1999.. 1 312 318	3
		1998.. 1 584 812	1
		1997.. 1 585 020	X
311221W	Wet corn milling, nsk, total .....	2001.. 83 613	1
		2000.. 99 570	1
		1999.. 88 076	1
		1998.. 51 113	1
		1997.. 40 650	X
311222	Soybean products .....	2001.. 9 326 838	1
		2000.. 8 730 132	1
		1999.. 9 428 001	1
		1998.. 11 039 444	1
		1997.. 12 038 811	X
3112221	Soybean oil .....	2001.. 2 312 514	1
		2000.. 2 425 121	1
		1999.. 2 892 197	1
		1998.. 3 534 382	1
		1997.. 3 161 878	X
3112224	Soybean cake, meal, and other byproducts .....	2001.. 6 956 535	1
		2000.. 6 204 940	1
		1999.. 6 493 200	1
		1998.. 7 427 236	1
		1997.. 8 824 896	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
311222	Soybean products—Con.		
311222W	Soybean processing, nsk, total .....	2001.. 57 789	1
		2000.. 100 070	18
		1999.. 42 604	1
		1998.. 77 827	1
		1997.. 52 037	X
311223	Other oilseed products .....	2001.. 1 251 768	4
		2000.. 1 318 748	3
		1999.. 1 245 155	3
		1998.. 1 619 169	3
		1997.. 1 669 775	X
3112231	Cottonseed oil, crude .....	2001.. 16 727	61
		2000.. 29 386	30
		1999.. 37 954	23
		1998.. 54 642	56
		1997.. 100 668	X
3112234	Cottonseed oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products) .....	2001.. 139 747	20
		2000.. 174 163	7
		1999.. 193 581	6
		1998.. 233 591	14
		1997.. 165 630	X
3112237	Cotton linters .....	2001.. 84 198	14
		2000.. 42 872	10
		1999.. 38 144	14
		1998.. 71 460	6
		1997.. 82 913	X
311223A	Cottonseed cake and meal and other byproducts .....	2001.. 234 031	15
		2000.. 177 699	13
		1999.. 226 752	10
		1998.. 298 314	7
		1997.. 380 893	X
311223D	Linseed oil .....	2001.. 49 690	1
		2000.. 79 947	1
		1999.. 68 293	1
		1998.. 72 881	1
		1997.. 110 134	X
311223G	Vegetable oils, nec .....	2001.. 535 297	1
		2000.. 633 464	2
		1999.. 543 605	1
		1998.. 637 940	1
		1997.. 595 875	X
311223J	Other vegetable oil mill products, nec .....	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
311223W	Other oilseed products, nsk, total .....	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
311225	Refined or blended fats and oils .....	2001.. 7 121 851	5
		2000.. 6 280 696	5
		1999.. 7 349 365	4
		1998.. 8 255 512	1
		1997.. 7 788 001	X
3112251	Shortening and cooking oils (edible) .....	2001.. 5 732 622	6
		2000.. 4 917 265	7
		1999.. 5 989 789	5
		1998.. 6 730 271	1
		1997.. 6 166 828	X
3112254	Margarine, including butter blends .....	2001.. 1 176 653	1
		2000.. 1 146 120	1
		1999.. 1 145 343	1
		1998.. 1 294 148	8
		1997.. 1 360 132	X
311225W	Fats and oils refining and blending, nsk, total .....	2001.. 212 576	1
		2000.. 217 312	1
		1999.. 214 232	1
		1998.. 231 093	12
		1997.. 261 041	X
311230	Breakfast cereals and related products .....	2001.. 8 669 577	2
		2000.. 8 233 311	2
		1999.. 8 715 245	2
		1998.. 7 899 627	1
		1997.. 7 446 787	X
3112301	Ready-to-serve cereal breakfast foods, except infant cereals .....	2001.. 7 648 372	3
		2000.. 7 285 943	3
		1999.. 7 770 533	2
		1998.. 6 968 686	1
		1997.. 6 729 803	X
3112304	Other cereal breakfast foods, nec .....	2001.. 1 019 628	2
		2000.. 946 577	2
		1999.. 946 837	2
		1998.. 860 218	1
		1997.. 690 561	X
311230W	Cereal breakfast foods, nsk, total .....	2001.. S	X
		2000.. S	X
		1999.. S	X
		1998.. 70 723	1
		1997.. 26 423	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
311311	Sugarcane products .....	2001.. 1 406 315	2
		2000.. 1 501 725	2
		1999.. 1 504 872	2
		1998.. 1 535 692	3
		1997.. 1 449 749	X
3113110	Sugarcane mill products and byproducts .....	2001.. 1 406 315	2
		2000.. 1 501 725	2
		1999.. 1 504 872	2
		1998.. 1 535 692	3
		1997.. 1 449 749	X
311312	Cane sugar refining .....	2001.. 2 354 055	1
		2000.. 2 960 027	1
		1999.. 3 123 421	1
		1998.. 3 294 203	1
		1997.. 3 186 963	X
3113120	Refined cane sugar and byproducts .....	2001.. 2 354 055	1
		2000.. 2 960 027	1
		1999.. 3 123 421	1
		1998.. 3 294 203	1
		1997.. 3 186 963	X
311313	Beet sugar mfg .....	2001.. 2 491 390	2
		2000.. 2 430 993	2
		1999.. 2 563 077	1
		1998.. 2 537 941	1
		1997.. 2 619 463	X
3113130	Refined beet sugar and byproducts .....	2001.. 2 491 390	2
		2000.. 2 430 993	2
		1999.. 2 563 077	1
		1998.. 2 537 941	X
		1997.. 2 619 463	X
311320	Chocolate and confectionery products made from cacao beans .....	2001.. 4 426 851	5
		2000.. 4 044 372	3
		1999.. 3 914 657	2
		1998.. 4 294 843	5
		1997.. 3 670 691	X
3113201	Chocolate coatings .....	2001.. 695 030	14
		2000.. 689 872	10
		1999.. 676 939	10
		1998.. 808 387	6
		1997.. 639 816	X
3113204	Chocolate and chocolate-type confectionery products made from cacao beans ground in the same establishment\$ .....	2001.. 2 348 794	2
		2000.. 2 289 913	1
		1999.. 2 291 526	1
		1998.. 2 244 603	1
		1997.. 1 916 439	X
3113207	Other chocolate and cocoa products, nec .....	2001.. 1 285 118	16
		2000.. 980 662	9
		1999.. 865 678	3
		1998.. 1 221 258	17
		1997.. 1 022 816	X
311320W	Chocolate and confectionery-type products made from cacao beans, nsk, total .....	2001.. 97 909	26
		2000.. 83 926	30
		1999.. 80 515	32
		1998.. 20 594	A
		1997.. 91 620	X
311330	Confectionery products made from purchased chocolate .....	2001.. 7 628 538	2
		2000.. 7 802 796	2
		1999.. 7 411 744	2
		1998.. 7 188 091	1
		1997.. 7 027 945	X
3113301	Chocolate and chocolate-type confectionery products made from purchased chocolate@ \$ .....	2001.. 7 052 854	2
		2000.. 7 162 027	2
		1999.. 6 873 675	2
		1998.. 6 613 188	1
		1997.. 6 653 316	X
3113302	Chocolate and chocolate-type confectionery products made from purchased chocolate manufactured and sold at retail .....	2001.. 241 260	32
		2000.. 240 078	38
		1999.. 190 767	35
		1998.. 194 281	4
		1997.. 149 559	X
311330W	Chocolate and chocolate-type confectionery products manufactured and sold at retail, nsk, total .....	2001.. 334 424	3
		2000.. 400 691	6
		1999.. 347 301	3
		1998.. 380 622	2
		1997.. 225 070	X
311340	Nonchocolate confectionery products .....	2001.. 7 095 251	4
		2000.. 6 838 339	6
		1999.. 6 658 351	6
		1998.. 6 379 474	1
		1997.. 5 954 390	X
3113401	Nonchocolate-type confectionery products, including bar goods, granola bars, package goods, specialties, etc.@ .....	2001.. 4 848 536	6
		2000.. 4 911 693	8
		1999.. 4 911 313	8
		1998.. 4 597 538	1
		1997.. 4 243 445	X
3113402	Nonchocolate-type confectionery products manufactured and sold at retail .....	2001.. 55 352	7
		2000.. 43 324	7
		1999.. 34 859	10
		1998.. 32 136	11
		1997.. 28 201	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
311340	Nonchocolate confectionery products—Con.			
3113404	Chewing gum, bubble gum, and chewing gum base@ .....	2001..	1 721 185	1
		2000..	1 472 375	1
		1999..	1 341 053	1
		1998..	1 321 644	1
		1997..	1 310 938	X
3113407	Other confectionery-type products, nec .....	2001..	232 467	41
		2000..	229 558	44
		1999..	222 347	46
		1998..	211 816	8
		1997..	159 863	X
311340W	Nonchocolate confectionery products, nsk, total .....	2001..	237 710	8
		2000..	181 388	1
		1999..	148 779	1
		1998..	216 340	5
		1997..	211 943	X
311411	Frozen fruits and vegetables .....	2001..	10 006 127	2
		2000..	9 917 939	2
		1999..	9 166 073	1
		1998..	9 522 331	1
		1997..	9 264 738	X
3114111	Frozen fruits, juices, ades, drinks, and cocktails .....	2001..	2 864 877	4
		2000..	3 036 804	3
		1999..	2 574 059	2
		1998..	2 917 760	2
		1997..	2 822 600	X
3114114	Frozen vegetables .....	2001..	6 911 117	2
		2000..	6 654 168	2
		1999..	6 485 405	2
		1998..	6 496 147	1
		1997..	6 314 734	X
311411W	Frozen fruits and vegetables, nsk, total .....	2001..	230 133	19
		2000..	226 968	20
		1999..	106 609	42
		1998..	108 424	9
		1997..	127 404	X
311412	Frozen specialties, nec .....	2001..	11 703 286	2
		2000..	11 307 730	2
		1999..	11 084 812	2
		1998..	10 443 887	1
		1997..	9 457 074	X
3114121	Frozen dinners (beef, pork, and poultry pies, and nationality foods) .....	2001..	8 415 896	2
		2000..	8 061 580	2
		1999..	7 841 638	1
		1998..	7 392 547	1
		1997..	6 963 429	X
3114124	Other frozen specialties, nec .....	2001..	3 048 703	5
		2000..	3 037 071	5
		1999..	2 939 845	4
		1998..	2 647 341	2
		1997..	2 125 910	X
311412W	Frozen specialties, nec, nsk, total .....	2001..	238 687	30
		2000..	209 078	34
		1999..	303 329	29
		1998..	403 999	2
		1997..	367 735	X
311421	Canned fruits and vegetables .....	2001..	19 307 900	2
		2000..	18 723 044	3
		1999..	18 627 204	3
		1998..	17 924 339	1
		1997..	16 737 724	X
3114211	Canned fruits, except baby foods .....	2001..	2 506 454	4
		2000..	2 695 083	3
		1999..	2 332 883	4
		1998..	2 339 307	6
		1997..	2 281 045	X
3114214	Canned vegetables, except hominy and mushrooms .....	2001..	2 883 972	9
		2000..	2 611 192	7
		1999..	2 623 458	6
		1998..	2 691 692	5
		1997..	2 690 609	X
3114217	Canned hominy and mushrooms .....	2001..	92 864	32
		2000..	85 322	35
		1999..	97 727	31
		1998..	182 808	20
		1997..	141 646	X
311421A	Canned vegetable juices .....	2001..	842 641	3
		2000..	883 816	3
		1999..	836 904	1
		1998..	707 384	1
		1997..	438 970	X
311421D	Catsup and other canned tomato sauces, pastes, etc. ....	2001..	4 769 710	2
		2000..	4 431 237	3
		1999..	4 605 058	3
		1998..	4 228 400	1
		1997..	4 107 843	X
311421G	Canned jams, jellies, and preserves .....	2001..	979 805	19
		2000..	1 035 600	18
		1999..	1 045 655	17
		1998..	974 608	1
		1997..	1 007 148	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
311421	Canned fruits and vegetables—Con.		
311421J	Canned fruit juices, nectars, and concentrates .....	2001.. 3 466 066	6
		2000.. 3 679 591	10
		1999.. 3 710 691	8
		1998.. 3 361 570	2
		1997.. 2 915 653	X
311421M	Fresh fruit juices and nectars, single strength .....	2001.. 2 061 616	4
		2000.. 1 855 609	5
		1999.. 1 922 053	4
		1998.. 1 717 590	3
		1997.. 1 416 120	X
311421P	Pickles and other pickled products.....	2001.. 1 273 655	7
		2000.. 1 187 827	7
		1999.. 1 096 047	3
		1998.. 1 221 666	4
		1997.. 1 232 949	X
311421W	Fruit and vegetable canning, nsk, total .....	2001.. 431 116	54
		2000.. 257 768	91
		1999.. 356 729	66
		1998.. 499 313	25
		1997.. 505 741	X
311422	Specialty canned food products .....	2001.. 6 316 262	3
		2000.. 6 294 163	2
		1999.. 6 139 687	2
		1998.. 6 434 765	2
		1997.. 6 408 152	X
3114221	Canned baby foods, except cereal and biscuits .....	2001.. 905 184	2
		2000.. 1 039 464	2
		1999.. 833 487	7
		1998.. 874 889	1
		1997.. 929 732	X
3114224	Canned soups and stews (except frozen or seafood) .....	2001.. 3 173 955	1
		2000.. 2 861 600	1
		1999.. 2 781 436	1
		1998.. 2 903 201	1
		1997.. 2 684 750	X
3114227	Canned dry beans.....	2001.. 899 939	13
		2000.. 1 040 367	10
		1999.. 1 225 973	8
		1998.. 1 192 528	13
		1997.. 1 052 447	X
311422A	Other canned specialties and canned nationality foods, nec .....	2001.. 1 234 983	8
		2000.. 1 276 617	3
		1999.. 1 217 199	5
		1998.. 1 370 450	1
		1997.. 1 463 244	X
311422W	Specialty canning, nsk, total .....	2001.. 102 201	46
		2000.. 76 115	62
		1999.. 81 592	58
		1998.. 93 697	16
		1997.. 277 979	X
311423	Dried and dehydrated foods .....	2001.. 4 234 412	6
		2000.. 3 862 877	6
		1999.. 4 018 926	7
		1998.. 3 311 331	1
		1997.. 3 225 732	X
3114231	Soup mixes, including oriental, dried and dehydrated, and freeze-dried.....	2001.. 1 096 125	13
		2000.. 931 314	14
		1999.. 871 404	13
		1998.. 788 533	1
		1997.. 718 921	X
3114234	Dried and dehydrated fruits and vegetables (including freeze-dried).....	2001.. 3 020 077	6
		2000.. 2 828 958	6
		1999.. 3 045 275	8
		1998.. 2 433 027	1
		1997.. 2 420 005	X
311423W	Dried and dehydrated fruits, vegetables, and soups, nsk, total .....	2001.. 118 210	4
		2000.. 102 605	4
		1999.. 102 246	5
		1998.. 89 772	21
		1997.. 86 806	X
311511	Fluid milk .....	2001.. 22 920 616	1
		2000.. 21 535 963	1
		1999.. 21 236 997	1
		1998.. 20 647 545	1
		1997.. 19 468 685	X
3115111	Bulk fluid milk and cream.....	2001.. 3 824 741	2
		2000.. 3 129 811	3
		1999.. 3 542 346	3
		1998.. 3 509 827	4
		1997.. 3 115 437	X
3115114	Packaged fluid milk and related products, including cartons, bottles, cans, and dispenser cans .....	2001.. 14 019 298	2
		2000.. 13 339 206	2
		1999.. 13 201 569	1
		1998.. 13 040 596	1
		1997.. 12 468 038	X
3115117	Cottage cheese (including bakers', pot, and farmers' cheese) .....	2001.. 891 872	5
		2000.. 875 161	4
		1999.. 775 965	3
		1998.. 752 257	3
		1997.. 720 202	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
311511	Fluid milk—Con.		
311511A	Yogurt, except frozen .....	2001.. 2 129 055	5
		2000.. 2 010 169	3
		1999.. 1 730 547	2
		1998.. 1 450 634	1
		1997.. 1 334 927	X
311511D	Perishable dairy product substitutes .....	2001.. 576 429	9
		2000.. 626 751	7
		1999.. 577 092	7
		1998.. 557 987	6
		1997.. 477 766	X
311511G	Other packaged milk products, nec .....	2001.. 1 163 545	5
		2000.. 1 162 601	4
		1999.. 1 137 523	4
		1998.. 1 049 063	4
		1997.. 1 054 079	X
311511W	Fluid milk, nsk, total .....	2001.. 315 676	7
		2000.. 392 263	5
		1999.. 271 955	8
		1998.. 287 180	20
		1997.. 298 236	X
311512	Creamery butter .....	2001.. 2 551 533	5
		2000.. 1 890 301	5
		1999.. 1 750 085	5
		1998.. 1 869 408	5
		1997.. 1 636 080	X
3115120	Creamery butter .....	2001.. 2 551 533	5
		2000.. 1 890 301	5
		1999.. 1 750 085	5
		1998.. 1 869 408	5
		1997.. 1 636 080	X
311513	Cheese .....	2001.. 19 559 374	1
		2000.. 17 811 552	1
		1999.. 19 974 523	1
		1998.. 20 298 932	2
		1997.. 18 221 638	X
3115131	Natural cheese, except cottage cheese (cheddar, swiss, italian, brick, cream, grated, dried, etc.) .....	2001.. 13 695 697	1
		2000.. 12 339 502	1
		1999.. 14 370 431	1
		1998.. 14 813 540	3
		1997.. 13 102 105	X
3115134	Process cheese and related products .....	2001.. 4 742 406	4
		2000.. 4 531 793	3
		1999.. 4 637 789	3
		1998.. 4 571 931	1
		1997.. 4 325 684	X
3115137	Cheese substitutes and imitations .....	2001.. 290 093	6
		2000.. 265 614	6
		1999.. 300 213	5
		1998.. 326 860	2
		1997.. 345 514	X
311513A	Raw liquid whey .....	2001.. 193 732	9
		2000.. 130 738	3
		1999.. 140 775	6
		1998.. 122 613	4
		1997.. 113 249	X
311513W	Cheese products, nsk, total .....	2001.. 637 446	2
		2000.. 543 905	3
		1999.. 525 314	2
		1998.. 463 988	3
		1997.. 335 086	X
311514	Dry, condensed, and evaporated milk .....	2001.. 9 102 813	4
		2000.. 8 718 055	3
		1999.. 8 289 769	2
		1998.. 8 728 609	2
		1997.. 8 570 999	X
3115141	Dry milk products and mixtures .....	2001.. 3 830 626	2
		2000.. 3 508 633	2
		1999.. 3 397 547	3
		1998.. 3 318 344	5
		1997.. 3 538 811	X
3115144	Canned milk products (consumer-type cans), except substitutes .....	2001.. 1 342 182	1
		2000.. 1 346 179	1
		1999.. 1 334 827	1
		1998.. 1 476 384	4
		1997.. 1 426 526	X
3115147	Concentrated milk products shipped in bulk (barrels, drums, and tanks) .....	2001.. 924 450	24
		2000.. 881 908	20
		1999.. 809 350	14
		1998.. 888 271	12
		1997.. 747 841	X
311514A	Ice cream mixes and related products .....	2001.. 725 489	8
		2000.. 755 035	6
		1999.. 827 579	5
		1998.. 913 356	1
		1997.. 876 668	X
311514D	Dairy product substitutes .....	2001.. 1 905 250	11
		2000.. 1 891 993	9
		1999.. 1 737 424	8
		1998.. 1 972 284	2
		1997.. 1 899 881	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
311514	Dry, condensed, and evaporated milk—Con.			
311514W	Dry, condensed, and evaporated milk products, nsk, total .....	2001..	374 815	1
		2000..	334 307	3
		1999..	183 042	2
		1998..	159 971	15
		1997..	81 272	X
311520	Ice cream and frozen desserts .....	2001..	6 540 380	2
		2000..	6 206 876	2
		1999..	5 488 125	2
		1998..	5 855 615	2
		1997..	5 758 731	X
3115200	Ice cream and ices .....	2001..	6 540 380	2
		2000..	6 206 876	2
		1999..	5 488 125	2
		1998..	5 855 615	2
		1997..	5 758 731	X
311611	Animal slaughtering products, except poultry .....	2001..	56 545 619	1
		2000..	54 463 589	1
		1999..	49 101 875	1
		1998..	46 637 933	1
		1997..	50 566 086	X
3116111	Fresh and frozen beef, not canned or made into sausage, made from animals slaughtered in this plant .....	2001..	34 753 002	1
		2000..	33 558 320	1
		1999..	30 563 589	1
		1998..	27 445 721	1
		1997..	28 133 566	X
3116114	Fresh and frozen veal, not canned or made into sausage, made from animals slaughtered in this plant .....	2001..	399 576	1
		2000..	389 075	1
		1999..	348 267	1
		1998..	335 488	3
		1997..	355 320	X
3116117	Fresh and frozen lamb and mutton, not canned or made into sausage, made from animals slaughtered in this plant .....	2001..	350 373	1
		2000..	342 391	1
		1999..	286 019	1
		1998..	356 182	4
		1997..	375 767	X
311611A	Fresh and frozen pork, not canned or made into sausage, made from animals slaughtered in this plant .....	2001..	12 875 711	1
		2000..	12 173 330	1
		1999..	10 380 897	1
		1998..	10 309 122	1
		1997..	11 806 893	X
311611D	Lard, made from animals slaughtered in this plant .....	2001..	D	X
		2000..	D	X
		1999..	D	X
		1998..	D	X
		1997..	D	X
311611G	Pork, processed or cured (not canned or made into sausage), made from animals slaughtered in this plant\$ .....	2001..	1 923 737	4
		2000..	1 835 937	4
		1999..	2 544 458	1
		1998..	2 412 574	1
		1997..	2 972 828	X
311611J	Sausages and similar products (not canned), made from animals slaughtered in this plant\$ .....	2001..	1 265 390	18
		2000..	1 282 021	18
		1999..	1 197 434	20
		1998..	1 593 325	2
		1997..	1 997 959	X
311611M	Canned meats (except dog, cat, and baby food), made from animals slaughtered in this plant\$ .....	2001..	D	X
		2000..	D	X
		1999..	D	X
		1998..	D	X
		1997..	D	X
311611P	Hides, skins, and pelts .....	2001..	2 137 816	2
		2000..	2 046 431	2
		1999..	1 739 883	7
		1998..	1 672 725	1
		1997..	2 065 175	X
311611T	Miscellaneous byproducts of meat packing plants .....	2001..	1 057 443	4
		2000..	1 022 867	4
		1999..	819 352	4
		1998..	769 439	3
		1997..	769 884	X
311611W	Fresh and frozen meat from animals slaughtered in this plant, nsk, total .....	2001..	1 383 917	20
		2000..	1 434 397	19
		1999..	886 897	31
		1998..	1 342 995	3
		1997..	1 632 232	X
311612	Meat processed from carcasses .....	2001..	26 213 938	3
		2000..	24 943 347	3
		1999..	22 444 560	4
		1998..	21 695 751	1
		1997..	21 786 024	X
3116121	Pork, processed or cured, including frozen, (not canned or made into sausage), not made in meat packing plants\$ .....	2001..	7 367 282	3
		2000..	6 858 799	3
		1999..	5 222 851	3
		1998..	5 203 194	1
		1997..	4 865 074	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
311612	Meat processed from carcasses—Con.		
3116124	Sausage and similar products, (not canned), not made in meat packing plants\$ . . . . .	2001.. 6 266 249	5
		2000.. 6 440 498	6
		1999.. 6 337 582	6
		1998.. 6 228 634	3
		1997.. 6 094 246	X
3116127	Canned meats (except dog, cat, and baby food), containing 20 percent or more meat, not made in meat packing plants\$ . . . . .	2001.. 1 406 420	5
		2000.. 1 337 191	5
		1999.. 1 325 272	2
		1998.. 1 312 270	2
		1997.. 1 142 179	X
311612A	Other processed, frozen, or cooked meats, not made in meat packing plants, nec . . . . .	2001.. 10 475 769	4
		2000.. 9 613 535	5
		1999.. 9 137 938	4
		1998.. 8 012 613	2
		1997.. 7 713 136	X
311612W	Meat processed from carcasses, nsk, total . . . . .	2001.. 698 218	85
		2000.. 693 324	86
		1999.. 420 918	A
		1998.. 939 040	18
		1997.. 1 971 389	X
311613	Rendering or meat byproducts . . . . .	2001.. 2 920 923	4
		2000.. 3 058 672	3
		1999.. 2 874 486	3
		1998.. 3 406 257	2
		1997.. 3 820 977	X
3116131	Rendering and meat byproduct processing . . . . .	2001.. 1 205 606	6
		2000.. 1 150 470	5
		1999.. 1 082 807	5
		1998.. 1 087 383	5
		1997.. 1 207 143	X
3116134	Animal and marine feed and fertilizer byproducts . . . . .	2001.. 1 661 291	5
		2000.. 1 838 699	4
		1999.. 1 711 574	4
		1998.. 2 131 061	2
		1997.. 2 389 933	X
311613W	Rendering and meat byproduct processing, nsk, total . . . . .	2001.. 54 025	57
		2000.. 69 504	44
		1999.. 80 105	39
		1998.. 187 813	12
		1997.. 223 901	X
311615	Poultry . . . . .	2001.. 33 923 303	1
		2000.. 31 305 700	1
		1999.. 31 762 749	2
		1998.. 32 096 137	1
		1997.. 31 241 473	X
3116151	Young chickens (usually under 20 weeks of age), whole or parts . . . . .	2001.. 20 201 925	1
		2000.. 18 700 609	1
		1999.. 18 656 122	1
		1998.. 18 549 976	1
		1997.. 16 780 364	X
3116154	Hens and-or fowl (including frozen), whole or parts . . . . .	2001.. 306 720	8
		2000.. 323 391	8
		1999.. 268 028	4
		1998.. 259 591	1
		1997.. 317 900	X
3116157	Turkeys (including frozen), whole or parts . . . . .	2001.. 3 764 312	6
		2000.. 3 441 598	5
		1999.. 3 881 607	5
		1998.. 4 228 064	1
		1997.. 3 794 162	X
311615A	Other poultry and small game (including frozen), whole or parts, nec . . . . .	2001.. 158 638	21
		2000.. 146 016	9
		1999.. 91 114	12
		1998.. 53 881	23
		1997.. 68 672	X
311615D	Processed poultry and small game (except soups) containing 20 percent or more poultry or meat . . . . .	2001.. 9 108 082	2
		2000.. 8 358 751	2
		1999.. 8 620 734	1
		1998.. 8 742 367	1
		1997.. 9 148 518	X
311615W	Poultry processing, nsk, total . . . . .	2001.. 383 626	87
		2000.. 335 335	99
		1999.. 245 144	A
		1998.. 262 258	29
		1997.. 1 131 857	X
311711	Seafood canning products . . . . .	2001.. 1 350 195	5
		2000.. 1 267 158	7
		1999.. 1 166 363	5
		1998.. 1 076 491	4
		1997.. 1 044 636	X
3117110	Canned and cured fish and other seafoods, including soup (except frozen seafoods and soup) . . . . .	2001.. 1 350 195	5
		2000.. 1 267 158	7
		1999.. 1 166 363	5
		1998.. 1 076 491	4
		1997.. 1 044 636	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
311712	Fresh and frozen seafood .....	2001..	5
		2000..	5
		1999..	5
		1998..	2
		1997..	X
3117121	Prepared fresh fish and other fresh seafood .....	2001..	7
		2000..	6
		1999..	10
		1998..	7
		1997..	X
3117122	Prepared frozen fish .....	2001..	8
		2000..	6
		1999..	3
		1998..	4
		1997..	X
3117123	Prepared frozen shellfish .....	2001..	7
		2000..	10
		1999..	5
		1998..	4
		1997..	X
3117124	Other prepared frozen seafoods, nec .....	2001..	9
		2000..	8
		1999..	7
		1998..	4
		1997..	X
311712W	Fresh and frozen seafood processing, nsk, total .....	2001..	59
		2000..	63
		1999..	75
		1998..	3
		1997..	X
311811	Retail bakery products .....	2001..	7
		2000..	7
		1999..	6
		1998..	1
		1997..	X
3118110	Retail bakery products .....	2001..	7
		2000..	7
		1999..	6
		1998..	1
		1997..	X
311812	Commercial bakery products .....	2001..	4
		2000..	3
		1999..	3
		1998..	1
		1997..	X
3118121	Bread (white, wheat, and rye, etc.), including frozen .....	2001..	6
		2000..	6
		1999..	5
		1998..	1
		1997..	X
3118124	Rolls (bread-type), muffins, bagels, and croissants .....	2001..	7
		2000..	6
		1999..	5
		1998..	1
		1997..	X
3118127	Soft cakes, except frozen .....	2001..	6
		2000..	6
		1999..	4
		1998..	1
		1997..	X
311812A	Pies (fruit, cream, and custard), except frozen .....	2001..	7
		2000..	6
		1999..	4
		1998..	2
		1997..	X
311812D	Other sweet goods, except frozen, nec .....	2001..	6
		2000..	4
		1999..	5
		1998..	1
		1997..	X
311812W	Commercial bakeries, nsk, total .....	2001..	27
		2000..	19
		1999..	29
		1998..	1
		1997..	X
311813	Frozen bakery products .....	2001..	8
		2000..	6
		1999..	4
		1998..	2
		1997..	X
3118130	Frozen bakery products .....	2001..	8
		2000..	6
		1999..	4
		1998..	2
		1997..	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
311821	Cookies and crackers .....	2001..	9 678 993	3
		2000..	9 399 750	2
		1999..	9 096 037	2
		1998..	8 546 417	1
		1997..	8 322 533	X
3118211	Crackers, soft pretzels, biscuits, and related products .....	2001..	4 568 049	4
		2000..	4 400 239	4
		1999..	4 295 422	3
		1998..	3 808 888	1
		1997..	3 549 350	X
3118214	Cookies, wafers, and ice cream cones and cups (except frozen) .....	2001..	4 884 765	5
		2000..	4 851 666	3
		1999..	4 681 297	3
		1998..	4 429 616	1
		1997..	4 610 958	X
311821W	Cookie and cracker manufacturing, nsk, total .....	2001..	226 180	27
		2000..	147 845	41
		1999..	119 318	48
		1998..	307 913	9
		1997..	162 225	X
311822	Flour mixes and dough made from purchased flour .....	2001..	5 362 316	4
		2000..	5 143 117	3
		1999..	5 476 055	2
		1998..	5 012 485	1
		1997..	5 018 526	X
3118220	Flour mixes and refrigerated and frozen doughs and batters not made in flour mills\$ .....	2001..	5 362 316	4
		2000..	5 143 117	3
		1999..	5 476 055	2
		1998..	5 012 485	1
		1997..	5 018 526	X
311823	Pasta .....	2001..	1 182 536	5
		2000..	1 136 577	6
		1999..	1 173 933	5
		1998..	1 353 154	1
		1997..	1 627 289	X
3118230	Macaroni, spaghetti, and egg noodle products (except canned and frozen) .....	2001..	1 182 536	5
		2000..	1 136 577	6
		1999..	1 173 933	5
		1998..	1 353 154	1
		1997..	1 627 289	X
311830	Tortillas sold in bulk or packages, not frozen or canned .....	2001..	1 264 547	5
		2000..	1 191 035	5
		1999..	1 027 653	6
		1998..	1 095 828	3
		1997..	961 273	X
3118300	Tortillas sold in bulk or packages, not frozen or canned .....	2001..	1 264 547	5
		2000..	1 191 035	5
		1999..	1 027 653	6
		1998..	1 095 828	3
		1997..	961 273	X
311911	Roasted nuts or seeds and peanut butter .....	2001..	4 273 228	3
		2000..	4 555 323	4
		1999..	4 369 950	2
		1998..	4 138 416	4
		1997..	3 814 733	X
3119111	Nuts and seeds (salted, roasted, cooked, or blanched) .....	2001..	3 306 229	3
		2000..	3 540 538	5
		1999..	3 167 257	2
		1998..	3 190 226	5
		1997..	2 814 998	X
3119114	Peanut butter .....	2001..	781 601	1
		2000..	849 645	3
		1999..	1 013 336	1
		1998..	821 958	8
		1997..	847 176	X
311911W	Roasted nuts (or seeds) and peanut butter, nsk, total .....	2001..	185 398	1
		2000..	165 141	1
		1999..	189 357	1
		1998..	126 232	66
		1997..	152 559	X
311919	Other snack foods .....	2001..	11 517 459	2
		2000..	11 545 518	1
		1999..	11 017 578	1
		1998..	10 941 771	3
		1997..	9 813 788	X
3119191	Potato chips and sticks, plain and flavored .....	2001..	4 513 367	3
		2000..	4 812 567	2
		1999..	4 707 281	2
		1998..	4 598 616	6
		1997..	4 036 503	X
3119194	Corn chips and related products .....	2001..	5 088 353	2
		2000..	4 757 476	2
		1999..	4 510 792	2
		1998..	4 447 404	1
		1997..	4 428 299	X
3119197	Other chips, sticks (hard pretzels, bacon rinds, popcorn (except candied), etc.), excluding crackers, soft pretzels, and nuts .....	2001..	1 709 900	4
		2000..	1 740 516	4
		1999..	1 685 371	4
		1998..	1 694 752	5
		1997..	1 166 889	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
311919	Other snack foods—Con.		
311919W	Other snack foods, nsk, total .....	2001.. 205 838	15
		2000.. 234 959	17
		1999.. 114 134	24
		1998.. 200 999	5
		1997.. 182 097	X
311920	Coffee and tea products .....	2001.. 4 855 336	3
		2000.. 6 299 927	3
		1999.. 7 116 217	2
		1998.. 7 152 539	1
		1997.. 7 287 191	X
3119201	Roasted coffee .....	2001.. 3 360 384	4
		2000.. 4 327 203	3
		1999.. 5 239 767	2
		1998.. 5 417 985	1
		1997.. 5 564 573	X
3119204	Coffee, concentrated (freeze-dried, spray-dried, frozen, or liquid concentrates or extracts, mixtures, etc.) .....	2001.. 389 043	4
		2000.. 861 640	1
		1999.. 843 864	1
		1998.. 617 981	1
		1997.. 803 125	X
3119207	Tea in consumer packages .....	2001.. 968 580	1
		2000.. 1 000 179	10
		1999.. 933 742	7
		1998.. 877 405	1
		1997.. 779 886	X
311920W	Coffee and tea, nsk, total .....	2001.. 137 329	23
		2000.. 110 905	27
		1999.. 98 844	31
		1998.. 239 167	1
		1997.. 139 607	X
311930	Flavoring syrups and concentrate products .....	2001.. 8 109 069	2
		2000.. 8 326 491	2
		1999.. 7 553 490	2
		1998.. 7 178 414	1
		1997.. 6 647 019	X
3119301	Liquid beverage bases not for use by soft drink bottlers .....	2001.. 400 345	21
		2000.. 374 773	20
		1999.. 342 766	16
		1998.. 200 175	1
		1997.. 243 083	X
3119304	Liquid beverage bases for use by soft drink bottlers .....	2001.. 3 650 921	2
		2000.. 3 767 180	1
		1999.. 3 509 892	1
		1998.. 3 550 725	1
		1997.. 3 570 847	X
3119307	Other flavoring agents (except chocolate syrups), nec .....	2001.. 3 829 640	3
		2000.. 3 941 974	4
		1999.. 3 454 631	3
		1998.. 3 125 270	1
		1997.. 2 485 017	X
311930W	Flavoring syrup and concentrates, nsk, total .....	2001.. 228 163	31
		2000.. 242 563	23
		1999.. 246 201	23
		1998.. 302 245	8
		1997.. 348 072	X
311941	Mayonnaise, dressings, and other prepared sauces .....	2001.. 5 094 326	3
		2000.. 5 419 740	2
		1999.. 5 960 605	2
		1998.. 5 916 164	2
		1997.. 5 550 851	X
3119411	Vinegar and cider .....	2001.. 182 570	32
		2000.. 186 188	31
		1999.. 170 997	33
		1998.. 225 788	1
		1997.. 233 155	X
3119414	Prepared sauces (except tomato) .....	2001.. 1 862 562	4
		2000.. 1 842 840	3
		1999.. 1 968 782	3
		1998.. 1 925 345	4
		1997.. 1 870 691	X
3119417	Mayonnaise, salad dressings, and sandwich spreads .....	2001.. 2 821 614	3
		2000.. 3 155 842	2
		1999.. 3 610 184	1
		1998.. 3 579 876	2
		1997.. 3 282 608	X
311941W	Mayonnaise, dressing, and other prepared sauces, nsk, total .....	2001.. 227 580	19
		2000.. 234 870	18
		1999.. 210 642	21
		1998.. 185 155	5
		1997.. 164 397	X
311942	Spices and extracts .....	2001.. 4 906 985	3
		2000.. 4 774 628	3
		1999.. 4 823 704	3
		1998.. 4 305 321	2
		1997.. 4 315 818	X
3119421	Table salt (evaporated), pepper (black and white), and other spices .....	2001.. 1 731 417	6
		2000.. 1 763 400	6
		1999.. 1 736 222	5
		1998.. 1 636 042	2
		1997.. 1 713 993	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
311942	Spices and extracts—Con.		
3119424	Flavoring extracts, emulsions, and other liquid flavors . . . . .	2001.. 1 028 843	8
		2000.. 982 072	7
		1999.. 1 047 988	5
		1998.. 873 155	7
		1997.. 772 591	X
3119427	Dry mix food preparations, including dip mixes, salad dressing mixes, seasoning mixes, gravy and sauce mixes, and frosting mixes . . . . .	2001.. 1 994 944	4
		2000.. 1 883 653	5
		1999.. 1 941 167	4
		1998.. 1 745 130	2
		1997.. 1 786 374	X
311942W	Spice and extracts, nsk, total . . . . .	2001.. 151 781	2
		2000.. 145 504	2
		1999.. 98 327	3
		1998.. 50 994	3
		1997.. 42 860	X
311991	Perishable prepared foods . . . . .	2001.. 3 121 540	3
		2000.. 3 162 487	3
		1999.. 2 879 588	2
		1998.. 3 066 607	3
		1997.. 2 860 755	X
3119910	Perishable prepared food sold in bulk or packages, not frozen or canned . . . . .	2001.. 3 121 540	3
		2000.. 3 162 487	3
		1999.. 2 879 588	2
		1998.. 3 066 607	3
		1997.. 2 860 755	X
311999	All other miscellaneous food preparations . . . . .	2001.. 10 369 368	5
		2000.. 10 081 773	6
		1999.. 8 864 372	3
		1998.. 9 554 987	1
		1997.. 9 331 297	X
3119991	Desserts (ready-to-mix) . . . . .	2001.. 445 488	15
		2000.. 444 269	11
		1999.. 412 496	8
		1998.. 497 178	2
		1997.. 512 820	X
3119994	Sweetening syrups and molasses . . . . .	2001.. 509 229	6
		2000.. 475 737	4
		1999.. 436 185	6
		1998.. 561 629	1
		1997.. 627 456	X
3119997	Baking powder and yeast . . . . .	2001.. 348 711	10
		2000.. 354 244	9
		1999.. 377 273	8
		1998.. 388 509	1
		1997.. 373 875	X
311999A	Macaroni and noodle products packaged with other ingredients, not canned or frozen . . . . .	2001.. 1 075 480	8
		2000.. 1 086 784	8
		1999.. 1 057 024	8
		1998.. 1 236 444	1
		1997.. 1 218 827	X
311999D	Dried and dehydrated products, except pasta, packaged with other ingredients . . . . .	2001.. 820 453	7
		2000.. 841 842	7
		1999.. 994 734	6
		1998.. 1 056 183	8
		1997.. 1 000 184	X
311999G	Liquid, dried, and frozen eggs . . . . .	2001.. 1 829 523	22
		2000.. 1 745 457	28
		1999.. 934 866	4
		1998.. 1 378 397	1
		1997.. 1 461 611	X
311999J	Flavoring powders, tablets, and paste, including dry mix cocktails . . . . .	2001.. 650 053	12
		2000.. 612 314	11
		1999.. 592 111	9
		1998.. 709 502	1
		1997.. 867 251	X
311999M	Other food preparations, nec . . . . .	2001.. 3 711 750	7
		2000.. 3 409 817	6
		1999.. 3 107 318	6
		1998.. 2 590 779	3
		1997.. 2 121 392	X
311999W	All other miscellaneous food products, nsk, total . . . . .	2001.. 978 681	16
		2000.. 1 111 310	15
		1999.. 952 365	17
		1998.. 1 136 367	4
		1997.. 1 147 881	X
312111	Soft drinks . . . . .	2001.. 30 959 934	1
		2000.. 29 814 945	1
		1999.. 29 560 842	1
		1998.. 29 901 516	1
		1997.. 28 778 316	X
3121111	Bottled carbonated soft drinks . . . . .	2001.. 10 789 195	2
		2000.. 10 009 372	2
		1999.. 10 572 289	2
		1998.. 9 239 915	3
		1997.. 9 094 971	X
3121114	Canned carbonated soft drinks . . . . .	2001.. 11 810 076	2
		2000.. 11 453 575	2
		1999.. 10 996 966	2
		1998.. 12 401 406	1
		1997.. 11 762 928	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
312111	Soft drinks—Con.		
3121117	Soft drink flavoring syrup sold in bulk .....	2001.. 1 277 392	14
		2000.. 1 361 165	9
		1999.. 1 450 888	10
		1998.. 1 394 459	2
		1997.. 1 139 247	X
312111A	Noncarbonated soft drinks .....	2001.. 5 992 968	2
		2000.. 6 034 271	2
		1999.. 5 513 176	2
		1998.. 5 725 067	2
		1997.. 5 817 078	X
312111W	Soft drinks, nsk, total .....	2001.. 1 090 303	2
		2000.. 956 561	2
		1999.. 1 027 524	12
		1998.. 1 140 670	6
		1997.. 964 092	X
312112	Bottled Water Manufacturing .....	2001.. 1 694 611	9
		2000.. 1 682 572	9
		1999.. 1 512 357	8
		1998.. 967 493	2
		1997.. 836 529	X
3121120	Bottled water .....	2001.. 1 694 611	9
		2000.. 1 682 572	9
		1999.. 1 512 357	8
		1998.. 967 493	2
		1997.. 836 529	X
312113	Ice .....	2001.. 566 763	8
		2000.. 515 088	8
		1999.. 457 323	5
		1998.. 442 954	1
		1997.. 406 254	X
3121130	Ice .....	2001.. 566 763	8
		2000.. 515 088	8
		1999.. 457 323	5
		1998.. 442 954	1
		1997.. 406 254	X
312120	Brewery products .....	2001.. 16 924 799	1
		2000.. 16 544 275	1
		1999.. 16 907 367	1
		1998.. 18 019 768	1
		1997.. 18 162 490	X
3121201	Canned beer and ale case goods .....	2001.. 8 759 464	2
		2000.. 8 688 233	1
		1999.. 9 057 184	1
		1998.. 9 487 567	1
		1997.. 9 694 616	X
3121204	Bottled beer and ale case goods .....	2001.. 6 337 301	2
		2000.. 6 060 565	2
		1999.. 6 090 974	1
		1998.. 6 298 913	1
		1997.. 6 209 755	X
3121207	Beer and ale in barrels and kegs .....	2001.. 932 650	6
		2000.. 944 540	6
		1999.. 967 128	6
		1998.. 1 009 296	1
		1997.. 1 113 941	X
312120A	All other malt beverages and brewing products, nec .....	2001.. 481 820	13
		2000.. 486 673	15
		1999.. 460 035	3
		1998.. 528 655	1
		1997.. 605 156	X
312120W	Malt beverages, nsk, total .....	2001.. 413 565	20
		2000.. 364 264	23
		1999.. 332 047	24
		1998.. 695 336	1
		1997.. 539 022	X
312130	Wines, brandies, and brandy spirits .....	2001.. 7 863 821	2
		2000.. 7 217 276	2
		1999.. 6 617 699	2
		1998.. 6 718 670	2
		1997.. 6 144 389	X
3121300	Wine, brandy, and brandy spirits .....	2001.. 7 863 821	2
		2000.. 7 217 276	3
		1999.. 6 617 699	2
		1998.. 6 718 670	2
		1997.. 6 144 389	X
312140	Distillery products .....	2001.. 3 928 576	5
		2000.. 3 860 116	4
		1999.. 3 063 020	3
		1998.. 3 439 418	1
		1997.. 3 396 361	X
3121401	Distilled liquor, except brandy .....	2001.. 737 572	7
		2000.. 777 797	6
		1999.. 688 806	7
		1998.. 752 706	3
		1997.. 720 111	X
3121404	Bottled liquor, except brandy .....	2001.. 3 159 266	6
		2000.. 3 053 433	5
		1999.. 2 340 602	4
		1998.. 2 630 198	1
		1997.. 2 621 726	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
312140	Distillery products—Con.			
312140W	Distilled and blended liquors, nsk, total .....	2001..	31 739	10
		2000..	28 887	11
		1999..	33 613	10
		1998..	56 514	4
		1997..	54 524	X
312210	Unstemmed, stemmed, and redried tobacco .....	2001..	2 224 010	1
		2000..	2 159 367	1
		1999..	2 370 055	1
		1998..	3 447 044	1
		1997..	3 129 196	X
3122101	Unstemmed leaf tobacco, redried before packing .....	2001..	28 350	1
		2000..	25 320	1
		1999..	28 947	1
		1998..	41 982	1
		1997..	104 353	X
3122104	Tobacco, stemmed .....	2001..	2 154 219	1
		2000..	2 094 410	1
		1999..	2 330 052	1
		1998..	3 387 712	1
		1997..	3 024 843	X
312210W	Unstemmed, stemmed, and redried tobacco, nsk, total .....	2001..	41 441	4
		2000..	39 637	1
		1999..	11 056	1
		1998..	17 350	1
		1997..	—	X
312221	Cigarettes .....	2001..	45 695 973	1
		2000..	41 647 482	1
		1999..	38 476 740	1
		1998..	31 813 784	1
		1997..	28 258 382	X
3122210	Cigarettes, including nontobacco cigarettes .....	2001..	45 695 973	1
		2000..	41 647 482	1
		1999..	38 476 740	1
		1998..	31 813 784	X
		1997..	28 258 382	X
312229	Other tobacco products .....	2001..	3 950 232	7
		2000..	3 713 088	7
		1999..	3 749 332	6
		1998..	4 010 572	1
		1997..	3 985 043	X
3122291	Cigars .....	2001..	D	X
		2000..	D	X
		1999..	D	X
		1998..	D	X
		1997..	D	X
3122294	Chewing and smoking tobacco .....	2001..	2 216 853	12
		2000..	2 073 000	12
		1999..	2 089 828	11
		1998..	2 314 533	1
		1997..	2 225 631	X
3122297	Reconstituted tobacco (processed sheet and homogenized) .....	2001..	D	X
		2000..	D	X
		1999..	D	X
		1998..	D	X
		1997..	D	X
312229W	Other tobacco products, nsk, total .....	2001..	30 023	1
		2000..	36 569	38
		1999..	11 742	1
		1998..	6 674	1
		1997..	3 972	X
313111	Spun yarns .....	2001..	5 982 229	3
		2000..	6 942 513	3
		1999..	7 994 763	2
		1998..	8 587 639	1
		1997..	8 714 457	X
3131111	Carded cotton yarns@ .....	2001..	3 091 825	4
		2000..	3 169 124	4
		1999..	3 566 062	4
		1998..	3 640 690	1
		1997..	3 633 066	X
3131113	Combed cotton yarns@ .....	2001..	295 653	21
		2000..	519 193	10
		1999..	609 713	8
		1998..	677 297	2
		1997..	645 919	X
3131115	Rayon, acetate, and-or lyocell spun yarns@ .....	2001..	199 000	26
		2000..	197 448	19
		1999..	211 988	15
		1998..	242 404	3
		1997..	247 992	X
3131117	Spun noncellulosic fiber and silk yarns@ .....	2001..	2 143 568	5
		2000..	2 753 413	4
		1999..	3 275 869	4
		1998..	3 543 905	2
		1997..	3 694 149	X
3131119	Wool yarns@ .....	2001..	133 015	10
		2000..	148 183	8
		1999..	156 525	9
		1998..	264 650	3
		1997..	265 659	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
313111	Spun yarns—Con.		
313111A	Jute and linen yarns .....	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
313111C	Scouring and combing mill products@ .....	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
313111W	Yarn spinning mills, nsk, total .....	2001.. 70 926	25
		2000.. 64 535	27
		1999.. 68 067	18
		1998.. 105 778	1
		1997.. 105 040	X
313112	Textured, thrown, plied, and twisted yarns .....	2001.. 3 764 294	8
		2000.. 4 224 656	8
		1999.. 4 104 493	7
		1998.. 4 148 299	1
		1997.. 4 421 632	X
3131121	Novelty and plied yarns, other than wool (not spun or thrown at the same establishment) .....	2001.. 208 314	1
		2000.. 241 956	2
		1999.. 210 837	2
		1998.. 198 251	4
		1997.. 156 841	X
3131123	Thrown filament yarns, except textured .....	2001.. 927 740	7
		2000.. 1 096 870	6
		1999.. 1 201 075	11
		1998.. 1 247 055	3
		1997.. 1 023 930	X
3131125	Textured, crimped, or bulked filament yarns, including stretch yarn (made from purchased filament yarn)@ .....	2001.. 2 506 534	12
		2000.. 2 751 100	12
		1999.. 2 590 184	9
		1998.. 2 588 014	1
		1997.. 3 092 822	X
3131127	Commission receipts for throwing or texturing of filament yarns .....	2001.. 96 112	13
		2000.. 110 835	9
		1999.. 79 024	8
		1998.. 51 136	13
		1997.. 43 213	X
313112W	Textured, thrown, plied, and twisted yarns, nsk, total .....	2001.. 25 594	11
		2000.. 23 896	12
		1999.. 23 372	11
		1998.. 63 843	1
		1997.. 104 826	X
313113	Thread.....	2001.. 410 613	13
		2000.. 544 166	9
		1999.. 503 259	10
		1998.. 725 590	3
		1997.. 702 519	X
3131130	Thread.....	2001.. 410 613	13
		2000.. 544 166	9
		1999.. 503 259	10
		1998.. 725 590	3
		1997.. 702 519	X
313210	Broadwoven fabrics .....	2001.. 12 903 234	2
		2000.. 15 150 931	2
		1999.. 16 016 194	1
		1998.. 17 551 795	2
		1997.. 17 405 307	X
3132101	Cotton broadwoven plain weave fabrics, except pile (gray goods)@ .....	2001.. 1 059 053	5
		2000.. 1 205 623	4
		1999.. 1 347 498	3
		1998.. 965 148	1
		1997.. 975 740	X
3132103	Cotton broadwoven twill weave fabrics, except pile (gray goods)@ .....	2001.. 1 738 822	5
		2000.. 1 912 329	5
		1999.. 2 143 351	4
		1998.. 2 427 956	1
		1997.. 2 193 692	X
3132105	Cotton broadwoven fabrics, weaves other than plain, twill, or pile (gray goods)@ .....	2001.. 289 025	15
		2000.. 378 798	14
		1999.. 430 932	9
		1998.. 429 079	2
		1997.. 427 642	X
3132107	Cotton broadwoven pile fabrics (gray goods)@ .....	2001.. 473 045	2
		2000.. 443 018	3
		1999.. 477 051	4
		1998.. 430 840	1
		1997.. 375 689	X
3132109	Finished cotton broadwoven fabrics (finished in weaving mills)\$ .....	2001.. 265 201	37
		2000.. 384 888	26
		1999.. 400 285	26
		1998.. 761 825	25
		1997.. 682 361	X
313210B	Cotton towels and washcloths (made in weaving mills)\$ .....	2001.. 607 102	5
		2000.. 614 307	4
		1999.. 827 458	1
		1998.. 815 990	1
		1997.. 685 656	X

See footnotes at end of table.



**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
313210	Broadwoven fabrics—Con.		
313210C	Fabricated cotton textile products, except towels and washcloths (made in weaving mills) . . . . .	2001.. 451 067	8
		2000.. 546 343	2
		1999.. 568 703	2
		1998.. 458 554	1
		1997.. 505 677	X
313210E	Manmade fiber broadwoven fabrics of 85 percent or more filament yarns, chiefly rayon, acetate, and- or lyocell (gray goods)@ . . . . .	2001.. 302 401	13
		2000.. 432 031	7
		1999.. 404 752	9
		1998.. 557 637	1
		1997.. 540 475	X
313210G	Manmade fiber broadwoven fabrics of 85 percent or more filament yarns, except rayon, acetate, and- or lyocell (gray goods)@ . . . . .	2001.. 2 158 871	4
		2000.. 2 537 395	3
		1999.. 2 402 285	3
		1998.. 2 900 476	6
		1997.. 3 167 653	X
313210H	Manmade fiber broadwoven plain weave fabrics, of 85 percent or more spun yarns, except pile, excluding wool blends (gray goods)@ . . . . .	2001.. 748 823	7
		2000.. 987 992	5
		1999.. 1 033 870	4
		1998.. 1 330 264	10
		1997.. 1 166 604	X
313210J	Manmade fiber broadwoven twill weave fabrics, of 85 percent or more spun yarns, except pile, excluding wool blends (gray goods)@ . . . . .	2001.. 136 248	17
		2000.. 169 806	11
		1999.. 147 361	12
		1998.. 190 770	1
		1997.. 199 999	X
313210L	Manmade fiber broadwoven fabrics, of weaves other than plain, twill, and pile, of 85 percent or more spun yarn, excluding wool blends (gray goods)@ . . . . .	2001.. 380 903	10
		2000.. 495 757	8
		1999.. 474 357	7
		1998.. 714 581	2
		1997.. 718 496	X
313210M	Manmade fiber broadwoven fabrics, combo spun yarn and filament yarns, except wool blends, each < 85 percent of total fiber (gray goods)@ . . . . .	2001.. 1 150 238	5
		2000.. 1 325 716	4
		1999.. 1 303 816	4
		1998.. 1 477 906	1
		1997.. 1 497 959	X
313210N	Other broadwoven fabrics of manmade fibers including pile; and broadwoven fabrics of silk and natural fibers (except cotton) (gray goods)@ . . . . .	2001.. 325 311	3
		2000.. 427 711	3
		1999.. 460 691	2
		1998.. 402 498	1
		1997.. 375 539	X
313210P	Finished manmade fiber and silk broadwoven fabrics (finished in weaving mills)\$ . . . . .	2001.. 1 391 763	9
		2000.. 1 585 601	8
		1999.. 1 707 186	6
		1998.. 1 567 173	4
		1997.. 1 789 850	X
313210Q	Sheets and pillowcases, wholly or chiefly manmade fibers and silk (made in weaving mills) . . . . .	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
313210R	Fabricated manmade fiber and silk textile products, except sheets and pillowcases (made in weaving mills) . . . . .	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
313210T	Wool broadwoven fabrics (gray goods)@ . . . . .	2001.. 175 149	6
		2000.. 197 276	5
		1999.. 223 837	4
		1998.. 236 102	7
		1997.. 258 345	X
313210U	Finished broadwoven wool fabrics and felts (finished in weaving mill) . . . . .	2001.. 325 006	11
		2000.. 496 250	6
		1999.. 476 764	5
		1998.. 598 256	1
		1997.. 682 535	X
313210V	Fabricated textile products, 36 percent or more wool (made in weaving mills) . . . . .	2001.. 19 980	30
		2000.. 47 335	6
		1999.. 64 270	7
		1998.. 53 818	1
		1997.. 79 316	X
313210W	Broadwoven fabrics mills, nsk, total . . . . .	2001.. 492 172	20
		2000.. 460 972	21
		1999.. 537 036	17
		1998.. 464 771	40
		1997.. 542 159	X
313221	Narrow fabrics . . . . .	2001.. 1 276 160	3
		2000.. 1 423 550	2
		1999.. 1 468 418	2
		1998.. 1 310 998	4
		1997.. 1 355 063	X
3132211	Woven narrow fabrics (12 inches or less in width) . . . . .	2001.. 912 659	3
		2000.. 1 009 318	3
		1999.. 1 023 839	2
		1998.. 850 803	6
		1997.. 930 998	X

See footnotes at end of table.

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[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
313221	Narrow fabrics—Con.		
3132213	Braided narrow fabrics (12 inches or less in width) . . . . .	2001.. 189 777	7
		2000.. 226 591	6
		1999.. 221 890	7
		1998.. 212 373	2
		1997.. 206 032	X
3132215	Covered rubber thread, made in narrow fabric mills . . . . .	2001.. 111 739	6
		2000.. 123 541	4
		1999.. 159 851	3
		1998.. 177 502	6
		1997.. 157 853	X
313221W	Narrow fabric mills, nsk, total . . . . .	2001.. 61 986	10
		2000.. 64 099	10
		1999.. 62 838	11
		1998.. 70 320	1
		1997.. 60 180	X
313222	Schiffli machine embroideries . . . . .	2001.. 271 509	52
		2000.. 263 120	48
		1999.. 229 631	25
		1998.. 203 580	19
		1997.. 179 995	X
3132220	Schiffli machine embroideries . . . . .	2001.. 271 509	52
		2000.. 263 120	48
		1999.. 229 631	25
		1998.. 203 580	19
		1997.. 179 995	X
313230	Nonwoven fabrics . . . . .	2001.. 4 854 702	2
		2000.. 5 335 576	2
		1999.. 4 873 483	2
		1998.. 4 647 841	2
		1997.. 4 236 062	X
3132301	Nonwoven fabrics . . . . .	2001.. 3 409 728	3
		2000.. 3 786 208	3
		1999.. 3 395 346	3
		1998.. 3 252 842	1
		1997.. 2 784 259	X
3132303	Fabricated nonwoven products . . . . .	2001.. 858 016	3
		2000.. 880 647	3
		1999.. 850 457	3
		1998.. 779 774	5
		1997.. 838 357	X
3132305	Pressed, punched, or needled felts (except hats) . . . . .	2001.. 481 996	8
		2000.. 563 146	7
		1999.. 525 734	5
		1998.. 512 047	12
		1997.. 537 688	X
313230W	Nonwoven fabrics, nsk, total . . . . .	2001.. 104 962	2
		2000.. 105 574	2
		1999.. 101 947	1
		1998.. 103 178	10
		1997.. 75 758	X
313241	Weft knit fabrics . . . . .	2001.. 1 467 006	8
		2000.. 2 253 243	5
		1999.. 2 691 761	4
		1998.. 2 949 610	3
		1997.. 3 177 558	X
3132411	Weft (circular) knit fabrics greige goods, except hosiery@ . . . . .	2001.. 590 344	16
		2000.. 757 230	11
		1999.. 998 885	8
		1998.. 1 165 152	3
		1997.. 1 218 064	X
3132413	Finished weft (circular) knit fabrics, except hosiery, finished in knitting mill . . . . .	2001.. 687 955	10
		2000.. 1 234 419	7
		1999.. 1 384 708	4
		1998.. 1 417 945	4
		1997.. 1 585 100	X
3132415	Contract and commission receipts for knitting only or knitting and finishing weft (circular) knit fabrics . . . . .	2001.. 98 112	30
		2000.. 180 504	14
		1999.. 221 653	9
		1998.. 277 687	19
		1997.. 296 431	X
313241W	Weft (circular) knit fabrics, nsk, total . . . . .	2001.. 90 594	2
		2000.. 81 090	8
		1999.. 86 515	2
		1998.. 88 826	13
		1997.. 77 963	X
313249	Other knit fabrics and lace . . . . .	2001.. 1 729 791	4
		2000.. 2 014 088	5
		1999.. 2 146 207	7
		1998.. 2 318 400	2
		1997.. 2 405 105	X
3132491	Warp knit fabrics greige goods@ . . . . .	2001.. 446 303	15
		2000.. 558 777	19
		1999.. 605 076	24
		1998.. 673 860	1
		1997.. 633 654	X
3132493	Finished warp knit fabrics, finished in knitting mill . . . . .	2001.. 1 046 100	2
		2000.. 1 193 931	2
		1999.. 1 300 603	2
		1998.. 1 423 299	1
		1997.. 1 486 521	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
313249	Other knit fabrics and lace—Con.		
3132495	Lace and net goods, all leavers and nottingham lace machine products, including bobbinets and barmen laces .....	2001.. 45 347	1
		2000.. 44 336	1
		1999.. 37 936	1
		1998.. 42 118	4
		1997.. 43 182	X
3132497	Contract and commission receipts for knitting only or knitting and finishing warp knit fabrics .....	2001.. 67 348	23
		2000.. 87 475	18
		1999.. 73 088	10
		1998.. 74 853	37
		1997.. 82 093	X
3132499	Nonapparel knit end products made in knitting mills, including towels and washcloths .....	2001.. 67 502	13
		2000.. 73 093	12
		1999.. 74 732	12
		1998.. 86 188	52
		1997.. 109 001	X
313249W	Other knit fabrics and lace, nsk, total .....	2001.. 57 191	6
		2000.. 56 477	6
		1999.. 54 774	6
		1998.. 18 082	25
		1997.. 50 654	X
313311	Finished broadwoven fabrics .....	2001.. 7 147 530	7
		2000.. 7 900 281	6
		1999.. 7 837 728	6
		1998.. 8 484 115	4
		1997.. 9 107 244	X
3133111	Finished cotton broadwoven fabrics (not finished in weaving mills)\$ .....	2001.. 2 401 814	18
		2000.. 2 632 031	16
		1999.. 2 312 314	16
		1998.. 1 955 650	5
		1997.. 1 856 811	X
3133113	Job or commission finishing of cotton broadwoven fabrics .....	2001.. 717 799	8
		2000.. 852 811	6
		1999.. 971 164	4
		1998.. 1 213 395	6
		1997.. 1 359 146	X
3133115	Finished manmade fiber and silk broadwoven fabrics (not finished in weaving mills)\$ .....	2001.. 2 003 299	7
		2000.. 2 288 348	6
		1999.. 2 321 403	4
		1998.. 2 698 546	9
		1997.. 2 857 139	X
3133117	Job or commission finishing of manmade fiber and silk broadwoven fabrics .....	2001.. 465 650	19
		2000.. 618 458	15
		1999.. 780 008	8
		1998.. 1 073 982	7
		1997.. 1 160 036	X
3133119	Finished broadwoven wool fabrics and felts (not finished in weaving mill) .....	2001.. 1 169	A
		2000.. 827	A
		1999.. 8 961	51
		1998.. 136 334	1
		1997.. 90 657	X
313311W	Finished broadwoven fabrics, nsk, total .....	2001.. 1 557 800	13
		2000.. 1 507 807	14
		1999.. 1 443 879	15
		1998.. 1 406 207	12
		1997.. 1 783 455	X
313312	Finished fabrics (except broadwoven) and other finished textiles .....	2001.. 3 249 567	12
		2000.. 3 573 141	10
		1999.. 3 860 960	11
		1998.. 3 921 324	3
		1997.. 4 403 742	X
3133120	Finished fabrics (except broadwoven) and other finished textiles .....	2001.. 3 249 567	12
		2000.. 3 573 141	10
		1999.. 3 860 960	11
		1998.. 3 921 324	3
		1997.. 4 403 742	X
313320	Coated fabrics .....	2001.. 2 275 750	4
		2000.. 2 411 954	4
		1999.. 2 153 641	4
		1998.. 2 227 147	3
		1997.. 2 127 092	X
3133201	Vinyl coated fabrics, including expanded vinyl coated .....	2001.. 705 938	7
		2000.. 757 448	7
		1999.. 728 484	6
		1998.. 699 611	5
		1997.. 635 244	X
3133203	Rubber coated fabrics .....	2001.. 235 183	17
		2000.. 300 676	14
		1999.. 268 689	15
		1998.. 147 400	11
		1997.. 162 685	X
3133205	Other coated or laminated fabrics and coated yarns, not rubberized .....	2001.. 1 223 725	5
		2000.. 1 244 854	4
		1999.. 1 047 912	4
		1998.. 1 191 989	4
		1997.. 1 105 889	X
313320W	Fabric coating mills, nsk, total .....	2001.. 110 906	30
		2000.. 108 976	32
		1999.. 108 555	31
		1998.. 188 147	1
		1997.. 223 274	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
314110	Carpet and rugs .....	2001..	12 129 135	1
		2000..	12 240 432	1
		1999..	11 218 263	1
		1998..	11 633 821	1
		1997..	10 977 111	X
3141101	Woven carpets and rugs@ .....	2001..	542 214	3
		2000..	486 732	4
		1999..	389 475	5
		1998..	418 032	3
		1997..	345 497	X
3141103	Tufted carpets and rugs@ .....	2001..	10 958 094	1
		2000..	10 991 369	1
		1999..	10 078 503	1
		1998..	10 564 205	1
		1997..	9 968 548	X
3141105	Carpets, rugs, and mats, nec (knitted, braided, hooked, needle-punched, woven paper yarn, etc.)@ ..	2001..	399 632	8
		2000..	543 624	5
		1999..	522 205	5
		1998..	461 224	3
		1997..	414 121	X
314110W	Carpet and rugs, nsk, total .....	2001..	229 195	23
		2000..	218 707	24
		1999..	228 080	23
		1998..	190 360	5
		1997..	248 945	X
314121	Curtains and draperies .....	2001..	1 725 147	5
		2000..	1 875 053	5
		1999..	1 911 454	4
		1998..	2 047 523	5
		1997..	1 676 510	X
3141210	Curtains and draperies, including custom (made from purchased fabrics) .....	2001..	1 725 147	5
		2000..	1 875 053	5
		1999..	1 911 454	4
		1998..	2 047 523	5
		1997..	1 676 510	X
314129	Household furnishings .....	2001..	6 689 468	2
		2000..	7 091 659	2
		1999..	6 793 965	2
		1998..	6 125 051	7
		1997..	6 600 210	X
3141291	Bedspreads and bedsets .....	2001..	263 772	12
		2000..	274 275	12
		1999..	340 329	8
		1998..	262 144	12
		1997..	272 015	X
3141293	Sheets and pillowcases@ .....	2001..	1 307 775	4
		2000..	1 348 588	4
		1999..	1 392 710	4
		1998..	1 414 702	7
		1997..	1 444 112	X
3141295	Towels and washcloths@ \$ .....	2001..	801 395	6
		2000..	914 701	3
		1999..	946 728	2
		1998..	777 425	3
		1997..	849 293	X
3141297	Shower bath curtains, comforters and quilts, pillows, blankets, mattress protectors, table linen, and slip covers .....	2001..	3 989 507	3
		2000..	4 230 959	3
		1999..	3 781 886	2
		1998..	3 205 945	12
		1997..	3 803 084	X
314129W	Household furnishings, nsk, total .....	2001..	327 019	11
		2000..	323 137	12
		1999..	332 313	16
		1998..	464 834	24
		1997..	231 706	X
314911	Textile bags .....	2001..	771 367	7
		2000..	832 750	6
		1999..	907 464	4
		1998..	913 079	3
		1997..	919 967	X
3149110	Textile bags .....	2001..	771 367	7
		2000..	832 750	6
		1999..	907 464	4
		1998..	913 079	3
		1997..	919 967	X
314912	Canvas and related products .....	2001..	1 635 775	4
		2000..	1 718 564	4
		1999..	1 586 040	3
		1998..	1 508 101	3
		1997..	1 464 525	X
3149120	Canvas and related products made from cotton, nylon, polyester, and other industrial fabrics .....	2001..	1 635 775	4
		2000..	1 718 564	4
		1999..	1 586 040	3
		1998..	1 508 101	3
		1997..	1 464 525	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
314991	Rope, cordage, and twine .....	2001..	669 487	7
		2000..	706 409	7
		1999..	696 340	5
		1998..	670 623	2
		1997..	695 624	X
3149911	Cordage and twine, hard fiber .....	2001..	84 973	9
		2000..	86 516	9
		1999..	82 077	9
		1998..	50 819	11
		1997..	49 323	X
3149913	Cordage and twine, soft fiber (except cotton) .....	2001..	451 022	9
		2000..	468 876	9
		1999..	470 698	7
		1998..	449 485	2
		1997..	503 547	X
3149915	Cotton cordage and twine .....	2001..	102 066	12
		2000..	99 147	12
		1999..	94 006	11
		1998..	66 521	15
		1997..	59 002	X
314991W	Rope, cordage, and twine, nsk, total .....	2001..	31 426	51
		2000..	51 870	30
		1999..	49 559	26
		1998..	103 797	1
		1997..	83 752	X
314992	Tire cord and tire fabrics .....	2001..	1 178 873	1
		2000..	1 479 467	1
		1999..	1 405 434	1
		1998..	1 303 269	1
		1997..	1 294 525	X
3149920	Tire cord and tire fabrics@ .....	2001..	1 178 873	1
		2000..	1 479 467	1
		1999..	1 405 434	1
		1998..	1 303 269	X
		1997..	1 294 525	X
314999	All other miscellaneous textile products .....	2001..	5 422 054	7
		2000..	5 846 206	6
		1999..	6 305 953	6
		1998..	5 519 504	4
		1997..	6 089 265	X
3149991	Recovered fibers, processed mill waste, and related products .....	2001..	137 145	46
		2000..	160 800	40
		1999..	293 716	20
		1998..	351 599	8
		1997..	436 925	X
3149993	Paddings and upholstery filling, batting, and wadding (except foam rubber and plastics) .....	2001..	650 496	26
		2000..	712 940	25
		1999..	736 754	21
		1998..	544 430	6
		1997..	562 674	X
3149995	Embroideries (except Schifflí machine products) .....	2001..	561 036	28
		2000..	653 907	20
		1999..	632 754	12
		1998..	516 786	31
		1997..	556 538	X
3149997	Other trimmings and findings .....	2001..	197 569	39
		2000..	165 996	46
		1999..	272 232	31
		1998..	232 972	8
		1997..	263 810	X
3149999	Fabricated textile products, nec .....	2001..	2 849 402	7
		2000..	3 152 754	5
		1999..	3 172 948	4
		1998..	2 832 503	5
		1997..	3 265 358	X
314999W	All other miscellaneous textile products, nsk, total .....	2001..	1 026 406	23
		2000..	999 809	24
		1999..	1 197 549	22
		1998..	1 041 214	8
		1997..	1 003 960	X
315111	Sheer hosiery.....	2001..	973 778	6
		2000..	1 125 077	5
		1999..	1 236 913	4
		1998..	1 438 817	1
		1997..	1 572 367	X
3151111	Women's, misses', and girls' finished hosiery, sheer, full-length, knee-length, and below the knee ....	2001..	291 812	6
		2000..	301 928	5
		1999..	309 814	5
		1998..	296 299	1
		1997..	292 425	X
3151113	Women's, misses', and girls' finished pantyhose, sheer, including tights, all needle .....	2001..	581 648	10
		2000..	706 426	8
		1999..	775 033	7
		1998..	991 723	1
		1997..	1 132 563	X
3151115	Sheer hosiery (except socks) shipped in the greige .....	2001..	72 625	8
		2000..	85 672	9
		1999..	97 550	5
		1998..	87 776	1
		1997..	91 169	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
315111	Sheer hosiery—Con.		
315111W	Sheer hosiery, nsk, total .....	2001.. 27 693	36
		2000.. 31 051	32
		1999.. 54 516	15
		1998.. 63 019	2
		1997.. 56 210	X
315119	Other hosiery and socks .....	2001.. 2 688 607	6
		2000.. 2 794 519	5
		1999.. 2 656 550	3
		1998.. 2 821 338	2
		1997.. 2 777 069	X
3151191	Men's finished seamless hosiery and socks, sizes 10 and up .....	2001.. 1 407 455	10
		2000.. 1 411 165	8
		1999.. 1 212 472	4
		1998.. 1 364 725	2
		1997.. 1 300 278	X
3151193	All other finished hosiery, other than sheer .....	2001.. 924 435	5
		2000.. 997 214	5
		1999.. 896 727	4
		1998.. 1 015 644	4
		1997.. 1 100 974	X
3151195	Seamless hosiery shipped in the greige .....	2001.. 202 029	5
		2000.. 239 349	3
		1999.. 217 009	5
		1998.. 215 756	14
		1997.. 224 767	X
315119W	Other hosiery and socks, nsk, total .....	2001.. 154 688	33
		2000.. 146 790	33
		1999.. 230 342	25
		1998.. 225 213	14
		1997.. 151 050	X
315191	Knit outerwear .....	2001.. 2 112 357	8
		2000.. 2 508 908	6
		1999.. 2 664 763	6
		1998.. 2 965 802	3
		1997.. 3 927 154	X
3151911	Men's and junior boys' sweaters (from yarns or from fabrics knit in the same establishment) .....	2001.. 96 348	16
		2000.. 115 819	13
		1999.. 121 655	12
		1998.. 97 156	19
		1997.. 125 773	X
3151913	Women's, misses', and juniors' sweaters (from yarns or from fabrics knit in the same establishment) ..	2001.. 389 491	7
		2000.. 341 293	4
		1999.. 334 559	3
		1998.. 311 972	9
		1997.. 370 325	X
3151915	Girls', little boys', and infants' sweaters (from yarns or from fabrics knit in the same establishment) ...	2001.. 29 477	26
		2000.. 29 832	26
		1999.. 29 866	24
		1998.. 38 422	13
		1997.. 41 709	X
3151917	Men's and junior boys' knit shirts (from yarns or from fabrics knit in the same establishment) .....	2001.. 441 359	30
		2000.. 818 091	15
		1999.. 996 542	12
		1998.. 1 138 787	1
		1997.. 1 657 225	X
3151919	Women's, misses', and juniors' knit shirts and blouses (from yarns or from fabrics knit in the same establishment) .....	2001.. 134 429	16
		2000.. 163 675	11
		1999.. 146 883	12
		1998.. 189 794	6
		1997.. 203 213	X
315191A	Girls', little boys', and infants' knit shirts and blouses (from yarns or from fabrics knit in the same establishment) .....	2001.. 24 163	25
		2000.. 30 599	19
		1999.. 20 513	27
		1998.. 14 423	1
		1997.. 18 149	X
315191C	All other knit outerwear products .....	2001.. 435 305	5
		2000.. 402 056	6
		1999.. 402 226	6
		1998.. 302 059	23
		1997.. 684 343	X
315191E	Contract and commission receipts for knitting only or knitting and finishing outerwear .....	2001.. 169 648	27
		2000.. 171 676	26
		1999.. 164 897	27
		1998.. 218 981	10
		1997.. 251 542	X
315191G	Knit gloves and mittens, including fabric-and-leather combinations (made in knitting mills) .....	2001.. 44 662	1
		2000.. 55 130	2
		1999.. 58 850	3
		1998.. 54 890	1
		1997.. 89 166	X
315191W	Knit outerwear, nsk, total .....	2001.. 347 476	26
		2000.. 380 737	23
		1999.. 388 771	19
		1998.. 599 317	1
		1997.. 485 709	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
315192	Knit underwear and nightwear .....	2001.. 418 544	11
		2000.. 463 407	5
		1999.. 491 344	4
		1998.. 722 698	1
		1997.. 785 521	X
3151921	Men's and junior boys' knit underwear and nightwear .....	2001.. 226 903	20
		2000.. 267 471	8
		1999.. 336 747	6
		1998.. 465 663	1
		1997.. 514 835	X
3151923	Women's, misses', juniors', girls', little boys', and infants' knit underwear and nightwear .....	2001.. 184 378	4
		2000.. 187 584	4
		1999.. 146 915	5
		1998.. 198 910	3
		1997.. 258 514	X
3151927	Women's, misses', and juniors' knit brassieres, girdles, and allied garments .....	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
315192W	Knit underwear and nightwear, nsk, total .....	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
315211	Contract men's and boys' cut and sew apparel .....	2001.. 1 371 786	16
		2000.. 1 629 967	15
		1999.. 1 752 480	10
		1998.. 1 941 962	4
		1997.. 1 832 910	X
3152111	Receipts for contract and commission work on men's, junior boys', little boys', and infants' suits and tailored coats and jackets .....	2001.. 114 485	31
		2000.. 151 668	21
		1999.. 187 535	12
		1998.. 258 646	9
		1997.. 317 987	X
3152113	Receipts for contract and commission work on men's, junior boys', little boys', and infants' shirts (except work shirts) .....	2001.. 660 188	29
		2000.. 764 189	29
		1999.. 698 192	23
		1998.. 663 100	4
		1997.. 536 523	X
3152115	Receipts for contract and commission work on men's, junior boys', little boys', and infants' underwear and nightwear .....	2001.. 43 922	49
		2000.. 47 404	46
		1999.. 83 480	27
		1998.. 76 858	35
		1997.. 123 634	X
3152117	Receipts for contract and commission work on men's, junior boys', little boys', and infants' trousers and slacks .....	2001.. 209 951	15
		2000.. 232 814	13
		1999.. 279 875	9
		1998.. 412 135	10
		1997.. 425 485	X
3152119	Receipts for contract and commission work on men's and junior boys' work clothing (except jeans and jean-cut casual slacks) .....	2001.. 21 245	31
		2000.. 53 593	37
		1999.. 73 457	17
		1998.. 44 410	56
		1997.. 72 466	X
315211B	Receipts for contract and commission work on men's, junior boys', little boys', and infants' outerwear, nec .....	2001.. 217 172	31
		2000.. 284 113	26
		1999.. 313 795	22
		1998.. 342 692	8
		1997.. 289 147	X
315211D	Receipts for contract and commission work on men's, junior boys', and little boys' robes .....	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
315211F	Receipts for contract and commission work on men's, junior boys', and little boys' raincoats and other waterproof outer garments .....	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
315211H	Receipts for contract and commission work on men's, junior boys', and little boys' embroidering (except Schiffli machine) .....	2001.. 32 182	21
		2000.. 26 428	17
		1999.. 19 832	11
		1998.. 24 279	3
		1997.. 31 489	X
315211W	Contract men's and boys' cut and sew apparel, nsk, total .....	2001.. 61 166	14
		2000.. 50 986	20
		1999.. 79 079	11
		1998.. 90 875	5
		1997.. 6 673	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
315212	Contract women's and girls' cut and sew apparel .....	2001..	14
		2000..	11
		1999..	8
		1998..	4
		1997..	X
3152121	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' shirts and blouses .....	2001..	56
		2000..	36
		1999..	30
		1998..	6
		1997..	X
3152123	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' dresses .....	2001..	32
		2000..	22
		1999..	13
		1998..	14
		1997..	X
3152125	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' coats, suits, skirts, and jackets .....	2001..	A
		2000..	84
		1999..	52
		1998..	4
		1997..	X
3152127	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' outerwear, nec.....	2001..	18
		2000..	16
		1999..	10
		1998..	5
		1997..	X
3152129	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' underwear and nightwear .....	2001..	97
		2000..	83
		1999..	36
		1998..	54
		1997..	X
315212B	Receipts for contract and commission work on brassieres, corsets, and allied garments .....	2001..	A
		2000..	A
		1999..	60
		1998..	A
		1997..	X
315212D	Receipts for contract and commission work on women's, misses', juniors', and girls' robes and dressing gowns .....	2001..	X
		2000..	X
		1999..	X
		1998..	X
		1997..	X
315212F	Receipts for contract and commission work on women's, misses', juniors', and girls' raincoats and other waterproof outer garments .....	2001..	X
		2000..	X
		1999..	X
		1998..	X
		1997..	X
315212H	Receipts for contract and commission work on women's, misses', juniors', and girls' embroidering (except Schiffli machine) .....	2001..	14
		2000..	15
		1999..	10
		1998..	3
		1997..	X
315212J	Receipts for contract and commission work on handkerchiefs, garters, garter belts, academic caps and gowns, costumes, and ecclesiastical vestments .....	2001..	65
		2000..	62
		1999..	68
		1998..	7
		1997..	X
315212W	Contract women's and girls' cut and sew apparel, nsk, total .....	2001..	7
		2000..	12
		1999..	6
		1998..	2
		1997..	X
315221	Men's and boys' cut and sew underwear and nightwear .....	2001..	17
		2000..	10
		1999..	12
		1998..	3
		1997..	X
3152211	Men's, junior boys', and little boys' underwear@ .....	2001..	19
		2000..	11
		1999..	14
		1998..	2
		1997..	X
3152213	Men's, junior boys', and little boys' nightwear, including pajamas, night shirts, etc. (excluding robes) @ .....	2001..	56
		2000..	29
		1999..	27
		1998..	19
		1997..	X
3152215	Men's, junior boys', and little boys' robes@ .....	2001..	A
		2000..	58
		1999..	40
		1998..	1
		1997..	X

See footnotes at end of table.



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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
315221	Men's and boys' cut and sew underwear and nightwear—Con.		
315221W	Men's and boys' cut and sew underwear and nightwear, nsk, total .....	2001.. 27 334	1
		2000.. 12 317	1
		1999.. 15 702	5
		1998.. 17 730	1
		1997.. 19 923	X
315222	Men's and boys' cut and sew suits, coats and overcoats .....	2001.. 1 154 863	6
		2000.. 1 422 108	4
		1999.. 1 487 050	4
		1998.. 1 822 636	3
		1997.. 1 895 567	X
3152221	Men's, junior boys', and little boys' suits, including uniforms@ .....	2001.. 538 578	8
		2000.. 665 635	6
		1999.. 710 666	6
		1998.. 834 168	5
		1997.. 880 870	X
3152223	Men's and junior boys' overcoats, topcoats, and tailored car and suburban coats, including uniform and wool water-repellent, excluding raincoats@ .....	2001.. 107 109	12
		2000.. 98 033	11
		1999.. 83 701	6
		1998.. 86 566	8
		1997.. 89 822	X
3152225	Men's and junior boys' tailored dress and sport coats, including uniform and separate leisure-type, and tailored vests@ .....	2001.. 461 537	8
		2000.. 600 560	6
		1999.. 645 368	4
		1998.. 733 216	5
		1997.. 809 842	X
3152227	Men's, junior boys', and little boys' raincoats and raincoats@ .....	2001.. 31 328	40
		2000.. 38 320	23
		1999.. 32 321	26
		1998.. 57 925	17
		1997.. 52 760	X
315222W	Men's and boys' cut and sew suits, coats and overcoats, nsk, total .....	2001.. 16 310	A
		2000.. 19 560	A
		1999.. 14 994	A
		1998.. 110 761	1
		1997.. 62 273	X
315223	Men's and boys' cut and sew shirts (except work shirts) .....	2001.. 3 375 621	9
		2000.. 4 669 672	5
		1999.. 5 470 373	5
		1998.. 5 377 799	2
		1997.. 5 289 588	X
3152231	Men's, junior boys', and little boys' knit shirts, dress and sport (inc polo, sweat, tank tops, etc.), made from purchased fabrics@ .....	2001.. 2 653 907	11
		2000.. 3 794 211	6
		1999.. 4 515 824	6
		1998.. 4 197 509	2
		1997.. 4 079 816	X
3152233	Men's, junior boys', and little boys' woven dress and sport shirts, including military-type uniform shirts@ .....	2001.. 553 072	13
		2000.. 744 176	7
		1999.. 830 925	6
		1998.. 941 911	5
		1997.. 984 106	X
315223W	Men's, junior boys', and little boys' shirts, nsk, total .....	2001.. 168 642	23
		2000.. 131 285	27
		1999.. 123 624	26
		1998.. 238 378	2
		1997.. 225 666	X
315224	Men's and boys' cut and sew trousers, slacks and jeans .....	2001.. 4 899 869	3
		2000.. 5 263 801	3
		1999.. 5 641 259	3
		1998.. 6 089 740	1
		1997.. 6 593 077	X
3152241	Men's, junior boys', and little boys' separate dress and sport trousers, pants, and slacks, including military-type uniform pants (excluding jeans)@ .....	2001.. 1 976 198	5
		2000.. 2 282 093	5
		1999.. 2 482 717	7
		1998.. 2 496 254	2
		1997.. 2 796 681	X
3152243	Men's, junior boys', and little boys' jeans, including dungarees and jean-cut casual slacks@ .....	2001.. 2 563 913	4
		2000.. 2 697 333	3
		1999.. 3 116 949	3
		1998.. 3 556 609	1
		1997.. 3 774 490	X
315224W	Men's, junior boys', and little boys' trousers and slacks, nsk, total .....	2001.. 359 758	1
		2000.. 284 376	2
		1999.. 41 594	1
		1998.. 36 877	1
		1997.. 21 906	X
315225	Men's and boys' cut and sew work clothing .....	2001.. 1 597 880	8
		2000.. 1 794 599	7
		1999.. 1 673 165	7
		1998.. 1 898 657	2
		1997.. 1 910 155	X
3152251	Men's and junior boys' work shirts@ .....	2001.. 466 093	13
		2000.. 535 921	11
		1999.. 572 966	10
		1998.. 522 625	1
		1997.. 481 142	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
315225	Men's and boys' cut and sew work clothing—Con.		
3152253	Men's and junior boys' work clothing (except shirts and jeans) and washable service apparel, including work pants, overalls, and work jackets@ . . . . .	2001.. 1 082 671 2000.. 1 207 740 1999.. 1 042 222 1998.. 1 304 537 1997.. 1 359 617	10 9 10 3 X
315225W	Men's and junior boys' work clothing, nsk, total . . . . .	2001.. 49 115 2000.. 50 937 1999.. 57 976 1998.. 71 495 1997.. 69 396	23 23 20 1 X
315228	Other men's and boys' cut and sew outerwear . . . . .	2001.. 1 286 384 2000.. 1 469 233 1999.. 1 760 928 1998.. 2 101 498 1997.. 2 264 032	9 7 7 3 X
3152281	Men's, junior boys', and little boys' heavy nontailored outerwear coats, jackets, and vests, including mackinaws, meltons, and lumber jackets (except ski)@ . . . . .	2001.. 305 545 2000.. 346 893 1999.. 482 489 1998.. 494 564 1997.. 556 337	27 19 22 7 X
3152283	Men's, junior boys', and little boys' shorts, swimwear, sweaters and other outerwear@ . . . . .	2001.. 722 105 2000.. 880 893 1999.. 1 063 291 1998.. 1 262 775 1997.. 1 354 929	10 8 6 3 X
3152285	Men's, junior boys', and little boys' waterproof outer garments, including smocks, plastics or rubberized . . . . .	2001.. 50 055 2000.. 25 216 1999.. 13 171 1998.. 12 263 1997.. 13 822	58 37 14 1 X
315228W	Other men's and boys' cut and sew outerwear, nsk, total . . . . .	2001.. 208 679 2000.. 216 231 1999.. 201 978 1998.. 331 896 1997.. 338 944	22 21 22 8 X
315231	Women's and girls' cut and sew lingerie, loungewear and nightwear . . . . .	2001.. 3 079 953 2000.. 3 417 524 1999.. 3 805 030 1998.. 3 605 624 1997.. 3 858 303	4 3 3 4 X
3152311	Women's, misses', juniors', and girls' underwear (except brassieres, corsets, and girdles)@ . . . . .	2001.. 645 217 2000.. 621 504 1999.. 824 817 1998.. 1 020 804 1997.. 1 193 903	16 15 13 4 X
3152313	Women's, misses', juniors', and girls' nightwear, including pajamas and gowns (except robes)@ . . . . .	2001.. 423 134 2000.. 542 793 1999.. 541 295 1998.. 591 974 1997.. 522 806	8 6 6 9 X
3152315	Women's, misses', and juniors' brassieres (including maternity), bra-lettes, and bandeaux@ . . . . .	2001.. 1 277 933 2000.. 1 475 918 1999.. 1 920 155 1998.. 1 354 663 1997.. 1 458 432	4 3 1 9 X
3152317	Women's, misses', and juniors' corsets, girdles, combinations, and accessories@ . . . . .	2001.. 367 260 2000.. 392 355 1999.. 284 169 1998.. 323 161 1997.. 349 606	10 9 2 1 X
3152319	Women's, misses', juniors', and girls' robes and dressing gowns@ . . . . .	2001.. 112 635 2000.. 156 311 1999.. 151 841 1998.. 188 452 1997.. 230 611	26 16 17 5 X
315231W	Women's and girls' cut and sew lingerie, loungewear and nightwear, nsk, total . . . . .	2001.. 253 775 2000.. 228 643 1999.. 82 754 1998.. 126 570 1997.. 102 945	7 8 21 1 X
315232	Women's and girls' cut and sew blouses and shirts . . . . .	2001.. 3 976 113 2000.. 4 164 941 1999.. 4 181 148 1998.. 3 950 874 1997.. 4 149 397	8 8 6 2 X
3152321	Women's, misses', juniors', and girls' knit shirts and blouses, including polo, tennis, cowl, tank, sweat, and T-shirts@ . . . . .	2001.. 2 351 605 2000.. 2 441 140 1999.. 2 447 239 1998.. 2 343 114 1997.. 2 243 507	13 13 10 2 X
3152323	Women's, misses', juniors', and girls' woven shirts and blouses@ . . . . .	2001.. 1 273 757 2000.. 1 561 612 1999.. 1 588 423 1998.. 1 494 805 1997.. 1 826 263	7 5 5 3 X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
315232	Women's and girls' cut and sew blouses and shirts—Con.		
315232W	Women's and girls' cut and sew blouses and shirts, nsk, total .....	2001.. 350 751	6
		2000.. 162 189	13
		1999.. 145 487	13
		1998.. 112 955	3
		1997.. 79 627	X
315233	Women's and girls' cut and sew dresses .....	2001.. 3 857 561	8
		2000.. 4 479 675	6
		1999.. 4 637 159	4
		1998.. 4 370 019	1
		1997.. 4 607 780	X
3152330	Women's, misses, juniors', and girls dresses@ .....	2001.. 3 857 561	8
		2000.. 4 479 675	6
		1999.. 4 637 159	4
		1998.. 4 370 019	1
		1997.. 4 607 780	X
315234	Women's and girls' cut and sew suits, coats, tailored jackets and skirts.....	2001.. 2 116 740	10
		2000.. 2 594 585	6
		1999.. 2 674 044	5
		1998.. 2 949 707	2
		1997.. 3 423 450	X
3152341	Women's, misses', juniors', and girls' coats and capes (except fur, leather, down- and feather-filled, and raincoats)@ .....	2001.. 408 739	10
		2000.. 449 247	9
		1999.. 412 353	9
		1998.. 447 952	5
		1997.. 532 637	X
3152343	Women's, misses', juniors', and girls' suits, pantsuits, and military-type uniform jackets, except ski and snow suits@ .....	2001.. 78 419	59
		2000.. 156 546	30
		1999.. 170 969	21
		1998.. 251 784	4
		1997.. 352 249	X
3152345	Women's, misses', juniors', and girls' skirts, tailored jackets, and vests@ .....	2001.. 1 489 143	14
		2000.. 1 866 755	7
		1999.. 1 930 862	7
		1998.. 2 166 523	2
		1997.. 2 479 548	X
3152347	Women's, misses', juniors', and girls' raincoats and raincoats@ .....	2001.. 4 163	63
		2000.. 15 416	41
		1999.. 20 522	38
		1998.. 25 860	19
		1997.. 19 563	X
315234W	Women's and girls' cut and sew suits, coats, tailored jackets and skirts, nsk, total .....	2001.. 136 276	4
		2000.. 106 621	5
		1999.. 139 337	26
		1998.. 57 588	21
		1997.. 39 453	X
315239	Other women's and girls' cut and sew outerwear .....	2001.. 5 871 817	4
		2000.. 7 312 045	2
		1999.. 7 420 367	2
		1998.. 7 581 665	2
		1997.. 7 543 529	X
3152391	Women's, misses', and juniors' washable service apparel, including aprons, smocks, hooovers, uniforms for maids, nurses, etc., and hospital patient wear@ .....	2001.. 149 989	11
		2000.. 206 746	10
		1999.. 230 798	13
		1998.. 235 615	18
		1997.. 265 530	X
3152393	Women's, misses', juniors', and girls' swimwear@ .....	2001.. 767 494	15
		2000.. 713 490	10
		1999.. 635 517	6
		1998.. 746 148	16
		1997.. 798 267	X
3152395	Women's, misses', juniors', and girls' slacks, including jeans and jean-cut casual slacks@ .....	2001.. 3 200 539	4
		2000.. 4 317 745	3
		1999.. 4 324 577	3
		1998.. 4 574 962	1
		1997.. 4 675 267	X
3152397	Women's, misses', and juniors' sweaters, shorts, and other outerwear, and girls' sweaters@ .....	2001.. 1 076 361	7
		2000.. 1 510 814	5
		1999.. 1 638 672	5
		1998.. 1 613 755	3
		1997.. 1 561 337	X
3152399	Women's, misses', juniors', and girls' waterproof outer garments, including smocks and dress shields, plastics or rubberized .....	2001.. 63	A
		2000.. 462	62
		1999.. 804	34
		1998.. 1 905	1
		1997.. 1 905	X
315239W	Other women's and girls' cut and sew outerwear, nsk, total .....	2001.. 677 370	9
		2000.. 562 789	10
		1999.. 589 999	9
		1998.. 409 280	1
		1997.. 241 223	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
315291	Infants' cut and sew apparel .....	2001..	503 971	13
		2000..	709 377	10
		1999..	788 432	7
		1998..	804 978	4
		1997..	794 910	X
3152910	Infants' apparel@ .....	2001..	503 971	13
		2000..	709 377	10
		1999..	788 432	7
		1998..	804 978	4
		1997..	794 910	X
315292	Fur and leather apparel .....	2001..	273 024	10
		2000..	284 253	10
		1999..	231 645	6
		1998..	212 288	16
		1997..	232 538	X
3152921	Fur coats, capes, jackets, neck pieces, fur linings, and other fur garments, accessories, and trimmings .....	2001..	96 083	9
		2000..	91 867	9
		1999..	74 851	10
		1998..	43 218	67
		1997..	94 647	X
3152925	Leather and sheep-lined clothing .....	2001..	120 299	20
		2000..	135 803	18
		1999..	128 857	9
		1998..	125 744	15
		1997..	108 192	X
315292W	Fur and leather apparel, nsk, total .....	2001..	56 643	12
		2000..	56 584	19
		1999..	27 937	6
		1998..	43 326	1
		1997..	29 699	X
315299	All other cut and sew apparel .....	2001..	895 576	5
		2000..	905 025	5
		1999..	852 751	4
		1998..	899 499	6
		1997..	863 948	X
3152991	Men's and junior boys' athletic uniforms@ .....	2001..	193 398	13
		2000..	181 265	13
		1999..	193 290	8
		1998..	195 550	8
		1997..	206 515	X
3152993	Women's, misses', and juniors' athletic uniforms@ .....	2001..	40 575	42
		2000..	44 512	38
		1999..	56 423	11
		1998..	68 286	2
		1997..	72 986	X
3152995	Apparel, nec. ....	2001..	453 076	6
		2000..	489 158	6
		1999..	435 224	5
		1998..	459 984	12
		1997..	410 785	X
315299W	All other cut and sew apparel, nsk, total .....	2001..	208 527	6
		2000..	190 090	9
		1999..	167 814	9
		1998..	175 679	3
		1997..	173 662	X
315991	Hats, caps, and millinery .....	2001..	770 072	8
		2000..	825 032	5
		1999..	911 702	7
		1998..	1 013 146	5
		1997..	861 088	X
3159911	Hats and hat bodies, except cloth and millinery .....	2001..	187 098	8
		2000..	174 519	6
		1999..	170 649	6
		1998..	174 229	1
		1997..	174 249	X
3159913	Cloth hats and caps .....	2001..	459 958	12
		2000..	518 699	6
		1999..	557 532	6
		1998..	580 514	6
		1997..	526 969	X
3159915	Millinery (women's, misses', juniors', girls', little boys', and infants' trimmed hats made from hat bodies or other millinery materials) .....	2001..	45 904	34
		2000..	71 763	28
		1999..	66 738	23
		1998..	94 942	23
		1997..	102 084	X
315991W	Hats, caps, and millinery, nsk, total .....	2001..	77 112	6
		2000..	60 052	10
		1999..	116 783	42
		1998..	163 461	9
		1997..	57 786	X
315992	Gloves and mittens .....	2001..	234 002	7
		2000..	230 348	7
		1999..	268 495	6
		1998..	467 069	3
		1997..	456 260	X
3159921	Gloves and mittens@ .....	2001..	148 496	5
		2000..	149 149	5
		1999..	179 411	4
		1998..	302 261	3
		1997..	310 970	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
315992	Gloves and mittens—Con.		
3159923	Gloves and mittens, leather-and-fabric combinations@ .....	2001.. 11 628	41
		2000.. 13 160	36
		1999.. 22 814	20
		1998.. 31 585	3
		1997.. 29 764	X
3159925	Gloves and mittens, all leather@ .....	2001.. 60 694	10
		2000.. 59 376	10
		1999.. 62 617	9
		1998.. 101 631	12
		1997.. 90 291	X
315992W	Gloves and mittens, nsk, total .....	2001.. 13 184	88
		2000.. 8 662	A
		1999.. 3 654	A
		1998.. 31 593	3
		1997.. 25 235	X
315993	Men's and boys' neckwear .....	2001.. 320 668	9
		2000.. 348 279	8
		1999.. 442 504	7
		1998.. 559 017	4
		1997.. 539 871	X
3159930	Men's and boys' neckwear .....	2001.. 320 668	9
		2000.. 348 279	8
		1999.. 442 504	7
		1998.. 559 017	4
		1997.. 539 871	X
315999	Other apparel accessories and other apparel .....	2001.. 1 927 612	5
		2000.. 2 043 604	5
		1999.. 2 014 034	4
		1998.. 2 025 338	3
		1997.. 1 979 028	X
3159991	Women's, misses', and juniors' scarfs, dickies, and other neckwear .....	2001.. 9 449	A
		2000.. 23 208	A
		1999.. 20 646	60
		1998.. 18 992	27
		1997.. 29 856	X
3159993	Aprons and bibs, plastics and rubberized .....	2001.. 14 870	62
		2000.. 16 764	61
		1999.. 20 808	55
		1998.. 26 500	2
		1997.. 34 579	X
3159995	Leather belts .....	2001.. 395 819	7
		2000.. 395 834	9
		1999.. 371 935	4
		1998.. 373 505	4
		1997.. 408 874	X
3159997	Belts other than leather .....	2001.. 84 516	21
		2000.. 98 623	19
		1999.. 76 753	2
		1998.. 60 270	13
		1997.. 50 941	X
315999A	Hose supporters, arm bands, suspenders, and handkerchiefs .....	2001.. 46 792	2
		2000.. 53 940	1
		1999.. 51 998	1
		1998.. 55 688	1
		1997.. 53 624	X
315999C	Fabricated textile products, nec .....	2001.. 605 051	12
		2000.. 649 658	11
		1999.. 703 443	10
		1998.. 709 689	6
		1997.. 711 936	X
315999E	Apparel findings and trimmings (except men's and junior boys' coat, suit, and trouser findings) .....	2001.. 155 494	18
		2000.. 184 598	16
		1999.. 157 373	12
		1998.. 171 789	2
		1997.. 160 159	X
315999G	Custom-made garments .....	2001.. 77 457	11
		2000.. 82 136	15
		1999.. 67 777	7
		1998.. 127 233	2
		1997.. 176 253	X
315999W	Other apparel accessories and other apparel manufacturing, nsk, total .....	2001.. 538 165	4
		2000.. 538 843	5
		1999.. 543 301	4
		1998.. 481 672	6
		1997.. 352 806	X
316110	Tanned or finished leather and hides .....	2001.. 2 996 531	2
		2000.. 3 288 818	2
		1999.. 3 271 433	2
		1998.. 3 409 457	1
		1997.. 3 716 635	X
3161101	Finished and unfinished leather .....	2001.. 2 712 030	3
		2000.. 3 017 601	2
		1999.. 3 040 345	1
		1998.. 3 080 738	1
		1997.. 3 205 197	X
3161104	Contract and commission receipts for tanning or finishing leather owned by others .....	2001.. 132 211	16
		2000.. 128 948	16
		1999.. 135 785	16
		1998.. 156 340	3
		1997.. 131 233	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
316110	Tanned or finished leather and hides—Con.		
3161107	Furs, dressed and dyed or bleached .....	2001.. 4 354	46
		2000.. 3 432	43
		1999.. S	X
		1998.. 20 010	11
		1997.. 19 875	X
316110W	Leather and hide tanning and finishing, nsk, total .....	2001.. 147 936	12
		2000.. 138 837	13
		1999.. 92 467	21
		1998.. 152 370	7
		1997.. 360 330	X
316211	Rubber and plastics footwear .....	2001.. 804 551	10
		2000.. 757 399	7
		1999.. 813 038	4
		1998.. 944 330	4
		1997.. 899 620	X
3162111	Protective footwear@ .....	2001.. 115 405	2
		2000.. 125 135	2
		1999.. 167 566	2
		1998.. 175 258	19
		1997.. 265 161	X
3162114	Shoes with soles vulcanized, molded, or cemented to fabric uppers, excluding sandals and slippers@ .....	2001.. 681 975	12
		2000.. 624 598	8
		1999.. 628 147	6
		1998.. 754 468	2
		1997.. 614 260	X
316211W	Rubber and plastics footwear, nsk, total .....	2001.. 7 171	91
		2000.. 7 666	85
		1999.. 17 325	12
		1998.. 14 604	1
		1997.. 20 199	X
316212	House slippers .....	2001.. 138 709	2
		2000.. 157 816	2
		1999.. 152 679	2
		1998.. 163 160	6
		1997.. 192 446	X
3162120	House slippers@ .....	2001.. 138 709	2
		2000.. 157 816	2
		1999.. 152 679	2
		1998.. 163 160	6
		1997.. 192 446	X
316213	Men's footwear, except athletic .....	2001.. 1 364 980	10
		2000.. 1 445 693	11
		1999.. 1 415 880	5
		1998.. 1 154 866	12
		1997.. 1 679 921	X
3162130	Men's footwear, except athletic (size run 6 and larger)@ .....	2001.. 1 364 980	10
		2000.. 1 445 693	11
		1999.. 1 415 880	5
		1998.. 1 154 866	12
		1997.. 1 679 921	X
316214	Women's footwear, except athletic .....	2001.. 346 898	8
		2000.. 394 977	6
		1999.. 544 864	4
		1998.. 505 825	29
		1997.. 744 752	X
3162140	Women's footwear, except athletic (size run 4 and larger)@ .....	2001.. 346 898	8
		2000.. 394 977	6
		1999.. 544 864	4
		1998.. 505 825	29
		1997.. 744 752	X
316219	Other footwear .....	2001.. 136 515	12
		2000.. 173 013	11
		1999.. 174 807	7
		1998.. 173 949	13
		1997.. 219 630	X
3162190	Footwear, except rubber, nec@ .....	2001.. 136 515	12
		2000.. 173 013	11
		1999.. 174 807	7
		1998.. 173 949	13
		1997.. 219 630	X
316991	Luggage .....	2001.. 852 586	7
		2000.. 972 288	6
		1999.. 963 566	3
		1998.. 1 100 723	1
		1997.. 1 096 427	X
3169910	Suitcases, briefcases, bags, and musical instrument cases .....	2001.. 852 586	7
		2000.. 972 288	6
		1999.. 963 566	3
		1998.. 1 100 723	1
		1997.. 1 096 427	X
316992	Women's handbags and purses .....	2001.. 229 483	11
		2000.. 234 134	4
		1999.. 214 486	5
		1998.. 228 247	11
		1997.. 250 951	X
3169920	Women's and children's handbags and purses .....	2001.. 229 483	11
		2000.. 234 134	4
		1999.. 214 486	5
		1998.. 228 247	11
		1997.. 250 951	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
316993	Personal leather goods, except women's handbags and purses .....	2001..	399 319	3
		2000..	384 442	3
		1999..	381 487	3
		1998..	435 169	1
		1997..	494 453	X
3169930	Personal leather goods, nec .....	2001..	399 319	3
		2000..	384 442	3
		1999..	381 487	3
		1998..	435 169	1
		1997..	494 453	X
316999	All other leather goods .....	2001..	599 523	8
		2000..	701 617	7
		1999..	685 363	5
		1998..	853 245	2
		1997..	791 121	X
3169991	All other leather goods, nec .....	2001..	52 011	59
		2000..	56 239	45
		1999..	98 689	21
		1998..	163 361	4
		1997..	165 174	X
3169994	Leather goods, nec .....	2001..	425 617	8
		2000..	516 328	8
		1999..	540 333	4
		1998..	628 574	3
		1997..	574 335	X
316999W	All other leather goods, nsk, total .....	2001..	121 894	6
		2000..	129 050	4
		1999..	46 342	9
		1998..	61 310	5
		1997..	51 612	X
321113	Sawmill products .....	2001..	20 985 334	3
		2000..	22 673 095	2
		1999..	24 164 179	2
		1998..	22 278 884	1
		1997..	23 320 321	X
3211131	Hardwood lumber, not edge worked, not manufactured from purchased lumber .....	2001..	4 310 571	5
		2000..	4 552 973	5
		1999..	4 151 950	3
		1998..	3 833 933	2
		1997..	3 954 467	X
3211133	Softwood lumber, not edge worked, not manufactured from purchased lumber .....	2001..	11 571 325	2
		2000..	12 656 802	2
		1999..	14 120 549	1
		1998..	12 761 446	1
		1997..	14 038 252	X
3211135	Wood chips, except field chips .....	2001..	2 864 400	9
		2000..	3 045 101	8
		1999..	3 043 953	9
		1998..	2 707 396	1
		1997..	2 593 967	X
3211137	Wood ties, siding, shingles, and shakes and contract sawing of logs owned by others .....	2001..	193 718	10
		2000..	226 756	8
		1999..	235 448	8
		1998..	265 357	12
		1997..	239 072	X
321113W	Sawmill products, nsk, total .....	2001..	2 045 319	16
		2000..	2 191 463	15
		1999..	2 612 280	10
		1998..	2 710 751	2
		1997..	2 494 563	X
321114	Wood preservation products .....	2001..	4 102 514	2
		2000..	4 518 547	2
		1999..	4 633 858	2
		1998..	4 335 645	2
		1997..	4 377 047	X
3211141	Wood poles, piles, and posts owned and treated by the same establishment .....	2001..	617 020	8
		2000..	622 635	7
		1999..	640 112	7
		1998..	523 078	4
		1997..	561 544	X
3211145	Other wood products owned and treated by the same establishment .....	2001..	3 067 014	3
		2000..	3 470 667	3
		1999..	3 540 567	1
		1998..	3 322 659	2
		1997..	3 339 717	X
3211149	Contract wood preservation .....	2001..	151 434	7
		2000..	158 670	7
		1999..	150 717	7
		1998..	122 684	1
		1997..	125 584	X
321114W	Wood preservation products, nsk, total .....	2001..	267 046	14
		2000..	266 575	14
		1999..	302 462	10
		1998..	367 223	5
		1997..	350 202	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
321211	Hardwood veneer and plywood .....	2001..	2 892 606	3
		2000..	3 153 152	3
		1999..	2 885 847	3
		1998..	2 801 905	2
		1997..	2 741 916	X
3212111	Hardwood veneer, including veneer backed with paper, cloth, or other flexible material .....	2001..	1 223 205	5
		2000..	1 327 234	4
		1999..	1 169 594	3
		1998..	991 422	1
		1997..	967 784	X
3212113	Hardwood plywood, except prefinished hardwood plywood made from purchased hardwood plywood.....	2001..	1 082 697	5
		2000..	1 212 037	4
		1999..	1 183 712	4
		1998..	1 185 868	1
		1997..	1 178 478	X
3212115	Prefinished hardwood plywood made from purchased hardwood plywood .....	2001..	182 109	23
		2000..	190 299	23
		1999..	161 999	27
		1998..	153 953	1
		1997..	153 347	X
3212117	Hardwood plywood type products .....	2001..	280 472	10
		2000..	298 497	7
		1999..	285 598	6
		1998..	207 347	5
		1997..	215 480	X
321211W	Hardwood veneer and plywood, nsk, total .....	2001..	124 122	23
		2000..	125 085	25
		1999..	84 944	30
		1998..	263 315	16
		1997..	226 827	X
321212	Softwood veneer and plywood .....	2001..	4 425 400	1
		2000..	5 017 029	1
		1999..	5 563 952	1
		1998..	5 150 758	1
		1997..	5 023 144	X
3212121	Softwood veneer, including veneer backed with paper, cloth, or other flexible material .....	2001..	795 316	6
		2000..	829 051	7
		1999..	877 091	7
		1998..	762 689	3
		1997..	754 456	X
3212123	Softwood plywood, rough, including touch sanded, interior and exterior .....	2001..	2 534 231	1
		2000..	2 991 046	1
		1999..	3 352 824	1
		1998..	3 030 839	1
		1997..	2 957 731	X
3212125	Softwood plywood, sanded, interior and exterior.....	2001..	641 643	2
		2000..	693 323	2
		1999..	816 913	2
		1998..	793 524	1
		1997..	805 030	X
3212127	Softwood plywood specialties .....	2001..	402 791	1
		2000..	454 522	1
		1999..	459 322	1
		1998..	481 536	1
		1997..	440 591	X
3212129	Softwood plywood type products .....	2001..	17 683	4
		2000..	15 548	7
		1999..	14 894	7
		1998..	7 965	1
		1997..	8 034	X
321212W	Softwood veneer and plywood, nsk, total .....	2001..	33 735	8
		2000..	33 539	7
		1999..	42 909	6
		1998..	74 205	1
		1997..	57 302	X
321213	Engineered wood members (except trusses) .....	2001..	1 835 289	7
		2000..	1 722 154	4
		1999..	1 737 922	3
		1998..	1 501 542	1
		1997..	1 326 062	X
3212130	Engineered wood members (except trusses) .....	2001..	1 835 289	7
		2000..	1 722 154	4
		1999..	1 737 922	3
		1998..	1 501 542	X
		1997..	1 326 062	X
321214	Wood trusses.....	2001..	4 215 814	3
		2000..	4 372 187	3
		1999..	4 324 752	3
		1998..	3 953 623	3
		1997..	3 487 428	X
3212140	Wood trusses.....	2001..	4 215 814	3
		2000..	4 372 187	3
		1999..	4 324 752	3
		1998..	3 953 623	3
		1997..	3 487 428	X

See footnotes at end of table.



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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
321219	Reconstituted wood products .....	2001..	2
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3212191	Particleboard made from particleboard produced at this location .....	2001..	7
		2000..	2
		1999..	1
		1998..	1
		1997..	X
3212192	Waferboard and oriented strandboard .....	2001..	3
		2000..	3
		1999..	3
		1998..	1
		1997..	X
3212193	Medium density fiberboard (MDF) made from MDF produced at this location .....	2001..	2
		2000..	2
		1999..	2
		1998..	1
		1997..	X
3212194	Hardboard made from hardboard produced at this location .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3212195	Cellulosic fiberboard (insulating board) .....	2001..	2
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3212197	Hardboard made from purchased hardboard .....	2001..	11
		2000..	11
		1999..	13
		1998..	3
		1997..	X
3212198	Prefinished particleboard and medium density fiberboard (MDF) made from purchased particleboard and MDF .....	2001..	7
		2000..	6
		1999..	6
		1998..	1
		1997..	X
321219W	Reconstituted wood products, nsk, total .....	2001..	13
		2000..	13
		1999..	13
		1998..	2
		1997..	X
321911	Wood windows and doors .....	2001..	4
		2000..	4
		1999..	3
		1998..	1
		1997..	X
3219111	Wood window units .....	2001..	5
		2000..	4
		1999..	4
		1998..	1
		1997..	X
3219113	Wood sash, excluding sash shipped in window units .....	2001..	70
		2000..	63
		1999..	2
		1998..	2
		1997..	X
3219115	Wood window and door frames, including door frames shipped in door units, excluding window frames shipped in window units .....	2001..	6
		2000..	7
		1999..	6
		1998..	2
		1997..	X
3219117	Wood panel, flush, and molded face doors, interior and exterior, including doors with glazed sections .....	2001..	6
		2000..	5
		1999..	4
		1998..	4
		1997..	X
3219119	Other wood doors, including garage, bifold, patio, cabinet, screen, storm, and louver .....	2001..	3
		2000..	4
		1999..	4
		1998..	5
		1997..	X
321911W	Wood windows and doors, nsk, total .....	2001..	25
		2000..	27
		1999..	19
		1998..	1
		1997..	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
321912	Cut stock, resawn lumber, and planed lumber .....	2001..	4
		2000..	4
		1999..	4
		1998..	2
		1997..	X
3219121	Hardwood lumber, not edge worked, manufactured from purchased lumber and edge worked .....	2001..	4
		2000..	5
		1999..	5
		1998..	2
		1997..	X
3219123	Softwood lumber, not edge worked, manufactured from purchased lumber and edge worked .....	2001..	8
		2000..	5
		1999..	4
		1998..	5
		1997..	X
3219125	Hardwood cut stock and dimension .....	2001..	11
		2000..	14
		1999..	13
		1998..	3
		1997..	X
3219127	Softwood cut stock and dimension .....	2001..	6
		2000..	5
		1999..	4
		1998..	6
		1997..	X
3219129	Sawn wood fence stock, wood lath, and contract resawing and planing .....	2001..	9
		2000..	11
		1999..	8
		1998..	4
		1997..	X
321912W	Cut stock, resawn lumber, and planed lumber, nsk, total .....	2001..	7
		2000..	7
		1999..	7
		1998..	1
		1997..	X
321918	Other millwork (including flooring) .....	2001..	3
		2000..	3
		1999..	2
		1998..	1
		1997..	X
3219181	Wood moldings, except prefinished moldings made from purchased moldings, including moldings covered with metal, plastics, etc. ....	2001..	6
		2000..	5
		1999..	5
		1998..	3
		1997..	X
3219183	Prefinished wood moldings made from purchased moldings, including moldings covered with metal, plastics, etc. ....	2001..	16
		2000..	20
		1999..	7
		1998..	4
		1997..	X
3219185	Other wood millwork products, including stairwork, exterior millwork, and softwood flooring .....	2001..	7
		2000..	5
		1999..	4
		1998..	2
		1997..	X
3219187	Hardwood flooring .....	2001..	7
		2000..	5
		1999..	4
		1998..	1
		1997..	X
321918W	Other millwork (including flooring), nsk, total .....	2001..	7
		2000..	7
		1999..	6
		1998..	1
		1997..	X
321920	Wood containers and pallets .....	2001..	3
		2000..	3
		1999..	2
		1998..	1
		1997..	X
3219201	Nailed and lock-corner wood boxes .....	2001..	10
		2000..	10
		1999..	9
		1998..	8
		1997..	X
3219203	Wood box and crate shook .....	2001..	20
		2000..	20
		1999..	15
		1998..	3
		1997..	X
3219205	Wood and metal combination and wood pallets and pallet containers .....	2001..	3
		2000..	3
		1999..	3
		1998..	1
		1997..	X
3219207	Wood container parts and wood containers, nec .....	2001..	6
		2000..	6
		1999..	5
		1998..	3
		1997..	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
321920	Wood containers and pallets—Con.		
321920W	Wood containers and pallets, nsk, total .....	2001.. 618 266	7
		2000.. 552 896	7
		1999.. 495 289	6
		1998.. 588 326	1
		1997.. 301 918	X
321991	Manufactured homes (mobile homes) .....	2001.. 7 225 638	3
		2000.. 8 502 416	2
		1999.. 10 880 432	1
		1998.. 11 017 616	1
		1997.. 10 064 087	X
3219911	Manufactured homes (mobile homes) .....	2001.. 6 625 414	2
		2000.. 8 004 534	2
		1999.. 10 309 357	1
		1998.. 10 546 035	1
		1997.. 9 651 119	X
3219915	Nonresidential mobile buildings .....	2001.. 486 025	27
		2000.. 395 928	22
		1999.. 351 792	11
		1998.. 371 339	2
		1997.. 349 800	X
321991W	Manufactured homes (mobile homes), nsk, total .....	2001.. 114 199	2
		2000.. 101 954	3
		1999.. 219 283	4
		1998.. 100 243	21
		1997.. 63 168	X
321992	Prefabricated wood buildings .....	2001.. 3 339 710	6
		2000.. 3 357 876	4
		1999.. 3 460 560	5
		1998.. 3 084 487	2
		1997.. 2 858 640	X
3219921	Components for prefabricated stationary wood buildings (not sold as complete units) .....	2001.. 265 020	11
		2000.. 262 529	10
		1999.. 260 015	8
		1998.. 246 050	4
		1997.. 230 146	X
3219923	Precut packages for prefabricated stationary wood buildings (complete units) .....	2001.. 532 005	8
		2000.. 612 839	7
		1999.. 647 073	5
		1998.. 671 935	5
		1997.. 596 241	X
3219925	Prefabricated stationary wood buildings shipped in panel form (complete units) .....	2001.. 597 747	3
		2000.. 561 947	3
		1999.. 558 570	3
		1998.. 517 902	5
		1997.. 442 965	X
3219927	Prefabricated stationary wood buildings shipped in three-dimensional assemblies .....	2001.. 1 560 337	13
		2000.. 1 525 154	6
		1999.. 1 522 269	11
		1998.. 1 219 981	4
		1997.. 1 178 019	X
321992W	Prefabricated wood buildings, nsk, total .....	2001.. 384 600	13
		2000.. 395 406	11
		1999.. 472 633	7
		1998.. 428 619	8
		1997.. 411 269	X
321999	All other miscellaneous wood products .....	2001.. 3 977 898	3
		2000.. 4 315 393	3
		1999.. 4 185 211	3
		1998.. 4 063 284	2
		1997.. 3 844 485	X
3219990	All other miscellaneous wood products .....	2001.. 3 977 898	3
		2000.. 4 315 393	3
		1999.. 4 185 211	3
		1998.. 4 063 284	2
		1997.. 3 844 485	X
322110	Pulp .....	2001.. 5 833 032	1
		2000.. 7 013 794	2
		1999.. 5 857 414	1
		1998.. 5 717 274	1
		1997.. 6 371 092	X
3221101	Special alpha and dissolving woodpulp (sulfite and sulfate for chemical conversion, papermaking, and other uses) .....	2001.. 663 146	1
		2000.. 773 800	1
		1999.. 733 047	2
		1998.. 770 967	1
		1997.. 842 210	X
3221103	Sulfate woodpulp, including soda .....	2001.. 4 344 121	1
		2000.. 5 276 092	1
		1999.. 4 334 414	1
		1998.. 4 131 803	2
		1997.. 4 638 302	X
3221105	Sulfite and other woodpulp .....	2001.. 59 898	1
		2000.. 183 261	1
		1999.. 168 182	1
		1998.. 199 821	1
		1997.. 251 393	X
3221107	Pulp, other than wood, and pulp mill byproducts, nec .....	2001.. 758 586	11
		2000.. 780 642	14
		1999.. 620 972	4
		1998.. 614 683	1
		1997.. 639 187	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
322110	Pulp—Con.		
322110W	Pulp mill products, nsk, total .....	2001.. 7 282	1
		2000.. —	X
		1999.. 800	1
		1998.. —	X
		1997.. —	X
322121	Paper (except newsprint) .....	2001.. 40 173 236	1
		2000.. 43 494 864	1
		1999.. 40 825 779	1
		1998.. 39 759 012	1
		1997.. 39 984 666	X
3221211	Clay-coated printing and converting paper .....	2001.. 7 709 970	1
		2000.. 9 001 890	1
		1999.. 8 629 499	1
		1998.. 8 613 568	1
		1997.. 8 452 880	X
3221213	Uncoated freesheet paper (containing not more than 10 percent mechanical fiber) .....	2001.. 10 865 075	2
		2000.. 12 101 158	1
		1999.. 11 520 881	1
		1998.. 11 851 856	1
		1997.. 11 633 314	X
3221215	Bleached bristols, excluding cotton fiber index and bogus (weight more than 150 grams per sq meter) .....	2001.. 1 161 024	1
		2000.. 1 258 742	1
		1999.. 1 252 848	1
		1998.. 1 272 617	1
		1997.. 1 230 728	X
3221217	Cotton fiber paper (containing 25 percent or more cotton or similar fibers) and thin paper .....	2001.. 619 662	7
		2000.. 694 373	10
		1999.. 749 752	7
		1998.. 713 263	3
		1997.. 762 448	X
3221219	Unbleached kraft (not less than 80 percent) packaging and industrial converting paper .....	2001.. 1 044 644	2
		2000.. 1 246 194	2
		1999.. 1 242 635	1
		1998.. 1 234 309	1
		1997.. 1 292 969	X
322121A	Packaging and industrial converting paper, except unbleached kraft .....	2001.. 1 043 614	5
		2000.. 1 099 108	2
		1999.. 1 070 342	1
		1998.. 878 700	24
		1997.. 1 098 365	X
322121C	Special industrial paper, except specialty packaging, including absorbent, battery separator, electrical papers, etc. ....	2001.. 1 356 218	4
		2000.. 1 573 197	2
		1999.. 1 552 589	2
		1998.. 1 750 022	2
		1997.. 1 843 513	X
322121E	Construction paper .....	2001.. 141 059	15
		2000.. 145 906	10
		1999.. 171 167	9
		1998.. 191 565	1
		1997.. 189 538	X
322121G	Tissue paper and other machine-creped paper .....	2001.. 1 532 285	2
		2000.. 2 122 772	1
		1999.. 2 222 686	1
		1998.. 1 937 254	8
		1997.. 2 364 687	X
322121J	Sanitary napkins and tampons (made in paper mills)\$ .....	2001.. 449 247	1
		2000.. 86 113	1
		1999.. S	X
		1998.. 11 242	1
		1997.. 69 050	X
322121L	Disposable diapers (usually containing pulp or cellulose fibers), and similar disposable products (made in paper mills)\$ .....	2001.. 3 103 180	1
		2000.. 3 675 425	1
		1999.. 2 434 517	3
		1998.. 1 675 811	1
		1997.. 1 707 020	X
322121N	Sanitary tissue paper products (made in paper mills)\$ .....	2001.. 11 138 243	1
		2000.. 10 481 098	1
		1999.. 9 968 931	1
		1998.. 9 568 185	1
		1997.. 9 293 076	X
322121W	Paper (except newsprint) mill products, nsk, total .....	2001.. 9 017	A
		2000.. 8 889	A
		1999.. 1 719	A
		1998.. 60 619	25
		1997.. 47 078	X
322122	Newsprint .....	2001.. 4 364 678	2
		2000.. 4 705 943	1
		1999.. 4 548 619	1
		1998.. 5 418 871	2
		1997.. 5 045 995	X
3221221	Newsprint .....	2001.. 3 209 352	2
		2000.. 3 495 053	2
		1999.. 3 316 492	2
		1998.. 4 146 704	2
		1997.. 3 712 495	X
3221223	Uncoated groundwood paper (containing more than 10 percent mechanical fiber) .....	2001.. 1 155 326	1
		2000.. 1 210 890	1
		1999.. 1 225 737	1
		1998.. 1 272 166	1
		1997.. 1 333 500	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
322122	Newsprint—Con.		
322122W	Newsprint mill products, nsk, total .....	2001.. —	X
		2000.. —	X
		1999.. 6 390	1
		1998.. 1	1
		1997.. —	X
322130	Paperboard .....	2001.. 20 344 877	1
		2000.. 21 540 161	1
		1999.. 19 813 615	1
		1998.. 19 741 766	1
		1997.. 18 681 404	X
3221301	Unbleached kraft packaging and industrial converting paperboard (80 percent or more virgin woodpulp) .....	2001.. 8 564 456	1
		2000.. 9 175 908	1
		1999.. 8 304 927	1
		1998.. 8 041 511	1
		1997.. 7 443 912	X
3221303	Bleached packaging and industrial converting paperboard (80 percent or more virgin bleached woodpulp) .....	2001.. 3 867 473	1
		2000.. 3 926 180	1
		1999.. 3 663 676	1
		1998.. 3 773 630	1
		1997.. 3 971 630	X
3221305	Semichemical paperboard, including corrugating medium (75 percent or more virgin woodpulp) .....	2001.. 1 131 070	1
		2000.. 1 290 318	1
		1999.. 1 025 297	1
		1998.. 908 885	1
		1997.. 815 423	X
3221307	Recycled paperboard .....	2001.. 6 662 355	2
		2000.. 7 064 426	1
		1999.. 6 740 947	1
		1998.. 6 945 512	1
		1997.. 6 362 406	X
3221309	Wet machine board, including binders' board and shoe board .....	2001.. 106 784	45
		2000.. 73 742	10
		1999.. 62 826	13
		1998.. 70 215	8
		1997.. 86 373	X
322130W	Paperboard mill products, nsk, total .....	2001.. 12 739	3
		2000.. 9 587	1
		1999.. 15 943	20
		1998.. 2 013	1
		1997.. 1 660	X
322211	Corrugated and solid fiber boxes .....	2001.. 30 071 625	2
		2000.. 31 491 641	2
		1999.. 27 871 608	1
		1998.. 26 580 096	1
		1997.. 24 075 306	X
3222110	Corrugated and solid fiber boxes, including pallets .....	2001.. 30 071 625	2
		2000.. 31 491 641	2
		1999.. 27 871 608	1
		1998.. 26 580 096	1
		1997.. 24 075 306	X
322212	Folding paperboard boxes .....	2001.. 8 433 036	2
		2000.. 8 741 304	2
		1999.. 8 408 289	2
		1998.. 8 853 605	1
		1997.. 8 564 381	X
3222120	Folding paperboard boxes, packaging, and packaging components .....	2001.. 8 433 036	2
		2000.. 8 741 304	2
		1999.. 8 408 289	2
		1998.. 8 853 605	1
		1997.. 8 564 381	X
322213	Setup paperboard boxes .....	2001.. 544 159	20
		2000.. 588 104	17
		1999.. 558 789	16
		1998.. 644 009	5
		1997.. 635 310	X
3222130	Setup (rigid) paperboard boxes .....	2001.. 544 159	20
		2000.. 588 104	17
		1999.. 558 789	16
		1998.. 644 009	5
		1997.. 635 310	X
322214	Fiber cans, tubes, drums, and similar products .....	2001.. 2 157 326	6
		2000.. 2 325 518	4
		1999.. 2 276 125	4
		1998.. 2 226 868	2
		1997.. 2 144 548	X
3222141	Paperboard fiber drums with ends of any material .....	2001.. 347 222	8
		2000.. 390 805	7
		1999.. 389 044	6
		1998.. 371 753	1
		1997.. 374 327	X
3222143	Fiber cans, tubes, and similar fiber products .....	2001.. 1 767 458	6
		2000.. 1 892 506	5
		1999.. 1 821 747	4
		1998.. 1 729 329	2
		1997.. 1 657 352	X
322214W	Fiber cans, tubes, drums, and similar products, nsk, total .....	2001.. 42 646	90
		2000.. 42 207	91
		1999.. 65 334	59
		1998.. 125 786	1
		1997.. 112 869	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
322215	Nonfolding sanitary food containers.....	2001..	2 944 561	1
		2000..	2 901 031	1
		1999..	2 892 722	2
		1998..	2 874 710	6
		1997..	2 482 816	X
3222151	Milk and milk-type paperboard cartons, including juice, beverage, and other products .....	2001..	750 539	1
		2000..	841 656	1
		1999..	901 853	1
		1998..	700 310	1
		1997..	672 333	X
3222153	Cups and liquid-tight paper and paperboard containers.....	2001..	1 409 201	1
		2000..	1 337 430	1
		1999..	1 245 233	3
		1998..	1 364 255	11
		1997..	1 132 893	X
3222155	Other sanitary paper and paperboard food containers, boards, and trays, nec, except folding .....	2001..	765 424	4
		2000..	704 090	4
		1999..	727 389	4
		1998..	790 417	7
		1997..	651 125	X
322215W	Nonfolding sanitary food containers, nsk, total .....	2001..	19 397	5
		2000..	17 855	6
		1999..	18 247	6
		1998..	19 729	1
		1997..	26 465	X
322221	Coated and laminated packaging paper and plastics film .....	2001..	1 487 433	7
		2000..	1 504 372	5
		1999..	1 484 291	6
		1998..	1 473 327	5
		1997..	1 473 582	X
3222211	Single-web paper, coated rolls and sheets, including waxed, for flexible packaging uses.....	2001..	884 187	5
		2000..	970 902	4
		1999..	950 003	4
		1998..	998 563	5
		1997..	981 949	X
3222213	Multiweb laminated rolls and sheets, except foil and film-film, for flexible packaging uses .....	2001..	539 120	17
		2000..	485 869	13
		1999..	506 115	15
		1998..	418 231	10
		1997..	461 466	X
322221W	Coated and laminated packaging paper and plastics film, nsk, total .....	2001..	64 126	7
		2000..	47 601	9
		1999..	28 173	18
		1998..	56 533	39
		1997..	30 167	X
322222	Coated and laminated paper.....	2001..	10 677 459	4
		2000..	11 085 155	1
		1999..	11 186 281	1
		1998..	11 124 532	1
		1997..	11 192 036	X
3222221	Printing paper, coated at establishments other than where paper was produced .....	2001..	472 027	8
		2000..	486 839	8
		1999..	518 116	8
		1998..	503 844	1
		1997..	498 250	X
3222223	Gummed products .....	2001..	177 074	2
		2000..	230 557	16
		1999..	235 622	2
		1998..	246 722	2
		1997..	249 377	X
3222225	Pressure-sensitive products .....	2001..	6 830 943	1
		2000..	7 229 090	1
		1999..	7 170 863	1
		1998..	6 999 819	1
		1997..	7 118 564	X
3222226	Wallcoverings .....	2001..	340 168	12
		2000..	399 778	11
		1999..	409 177	8
		1998..	460 192	1
		1997..	456 830	X
3222227	Gift wrap paper .....	2001..	376 055	8
		2000..	408 177	4
		1999..	398 417	2
		1998..	425 320	2
		1997..	412 009	X
3222229	Other coated and processed papers, nec, except for packaging uses .....	2001..	2 096 260	17
		2000..	1 938 900	4
		1999..	2 113 211	4
		1998..	2 058 317	1
		1997..	2 025 694	X
322222W	Coated and laminated paper, nsk, total .....	2001..	384 931	14
		2000..	391 814	14
		1999..	340 875	16
		1998..	430 319	9
		1997..	431 312	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
322223	Plastics, foil, and coated paper bags .....	2001..	483 004	9
		2000..	499 399	9
		1999..	545 294	8
		1998..	525 713	3
		1997..	561 838	X
3222231	Specialty bags, pouches, and liners, coated single-web paper .....	2001..	176 192	5
		2000..	171 283	4
		1999..	167 590	4
		1998..	144 636	5
		1997..	143 081	X
3222233	Specialty bags, pouches, and liners, multiweb laminations and foil, except film-film .....	2001..	292 534	15
		2000..	312 563	14
		1999..	358 555	12
		1998..	352 423	3
		1997..	399 077	X
322223W	Plastics, foil, and coated paper bags, nsk, total .....	2001..	14 277	3
		2000..	15 553	4
		1999..	19 150	3
		1998..	28 654	1
		1997..	19 680	X
322224	Uncoated paper and multiwall bags .....	2001..	2 654 806	2
		2000..	2 781 883	2
		1999..	2 672 883	2
		1998..	2 685 124	1
		1997..	2 594 761	X
3222241	Uncoated single-web paper grocers' bags and sacks and variety and shopping bags .....	2001..	1 089 611	4
		2000..	1 132 803	5
		1999..	1 077 165	4
		1998..	1 118 104	2
		1997..	1 010 846	X
3222243	Shipping sacks and multiwall bags, all materials except textiles .....	2001..	1 518 805	2
		2000..	1 609 499	2
		1999..	1 548 702	1
		1998..	1 515 579	1
		1997..	1 538 505	X
322224W	Uncoated paper and multiwall bags, nsk, total .....	2001..	46 390	24
		2000..	39 582	28
		1999..	47 016	24
		1998..	51 441	1
		1997..	45 410	X
322225	Laminated aluminum foil for flexible packaging uses .....	2001..	1 295 866	2
		2000..	1 362 570	2
		1999..	1 336 686	2
		1998..	1 499 249	3
		1997..	1 411 708	X
3222250	Laminated aluminum foil rolls and sheets for flexible packaging uses .....	2001..	1 295 866	2
		2000..	1 362 570	2
		1999..	1 336 686	2
		1998..	1 499 249	3
		1997..	1 411 708	X
322226	Surface-coated paperboard .....	2001..	819 813	4
		2000..	916 769	5
		1999..	951 120	3
		1998..	1 081 850	1
		1997..	1 138 806	X
3222260	Pasted, lined, laminated, or surface-coated paperboard .....	2001..	819 813	4
		2000..	916 769	5
		1999..	951 120	3
		1998..	1 081 850	1
		1997..	1 138 806	X
322231	Die-cut paper and paperboard office supplies .....	2001..	2 595 040	4
		2000..	2 534 599	4
		1999..	2 157 308	4
		1998..	2 352 534	3
		1997..	2 287 708	X
3222311	Die-cut paper and paperboard office supplies .....	2001..	1 424 531	3
		2000..	1 419 195	4
		1999..	1 343 936	4
		1998..	1 306 671	6
		1997..	1 192 411	X
3222313	Paper supplies for business machines and other miscellaneous unprinted paper office supplies, nec ..	2001..	1 111 153	9
		2000..	1 064 055	8
		1999..	743 340	8
		1998..	778 352	1
		1997..	853 149	X
322231W	Die-cut paper and paperboard office supplies, nsk, total .....	2001..	59 355	68
		2000..	51 349	78
		1999..	70 032	57
		1998..	267 511	5
		1997..	242 148	X
322232	Envelopes .....	2001..	3 491 364	2
		2000..	3 592 638	2
		1999..	3 441 462	2
		1998..	3 349 278	1
		1997..	3 478 408	X
3222320	Envelopes, commercial, all types and materials .....	2001..	3 491 364	2
		2000..	3 592 638	2
		1999..	3 441 462	2
		1998..	3 349 278	1
		1997..	3 478 408	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
322233	Stationery, tablet, and related products .....	2001..	2
		2000..	2
		1999..	1
		1998..	3
		1997..	X
3222331	Stationery .....	2001..	10
		2000..	6
		1999..	4
		1998..	1
		1997..	X
3222333	Tablets, pads, and related products .....	2001..	2
		2000..	1
		1999..	1
		1998..	4
		1997..	X
322233W	Stationery, tablets, and related products, nsk, total .....	2001..	23
		2000..	22
		1999..	13
		1998..	10
		1997..	X
322291	Sanitary paper products .....	2001..	2
		2000..	2
		1999..	1
		1998..	1
		1997..	X
3222911	Sanitary napkins and tampons (not made in paper mills)\$ .....	2001..	4
		2000..	2
		1999..	1
		1998..	1
		1997..	X
3222913	Disposable diapers (usually containing pulp or cellulose fibers) and similar disposable products (not made in paper mills)\$ .....	2001..	3
		2000..	3
		1999..	2
		1998..	1
		1997..	X
3222915	Sanitary tissue paper products (not made in paper mills)\$ .....	2001..	5
		2000..	5
		1999..	1
		1998..	2
		1997..	X
322291W	Sanitary paper products, nsk, total .....	2001..	28
		2000..	33
		1999..	44
		1998..	6
		1997..	X
322299	Other converted paper products .....	2001..	4
		2000..	4
		1999..	4
		1998..	5
		1997..	X
3222991	Molded pulp goods, including egg cartons, florist pots, food trays, etc. ....	2001..	9
		2000..	7
		1999..	9
		1998..	2
		1997..	X
3222993	Other converted paper and paperboard products, nec .....	2001..	4
		2000..	4
		1999..	4
		1998..	6
		1997..	X
322299W	All other converted paper products, nsk, total .....	2001..	25
		2000..	30
		1999..	33
		1998..	14
		1997..	X
323110	Commercial lithographic printing .....	2001..	2
		2000..	2
		1999..	2
		1998..	1
		1997..	X
3231101	Magazine and periodical printing (lithographic) (offset) .....	2001..	4
		2000..	3
		1999..	2
		1998..	1
		1997..	X
3231103	Label and wrapper printing (lithographic) (offset) .....	2001..	5
		2000..	5
		1999..	4
		1998..	3
		1997..	X
3231105	Catalog and directory printing (lithographic) (offset) .....	2001..	3
		2000..	2
		1999..	2
		1998..	2
		1997..	X
3231107	Financial and legal printing (lithographic) (offset) .....	2001..	14
		2000..	19
		1999..	15
		1998..	2
		1997..	X

See footnotes at end of table.



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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
323110	Commercial lithographic printing—Con.		
3231109	Advertising printing (lithographic) (offset) .....	2001.. 17 609 917	3
		2000.. 18 270 786	2
		1999.. 16 946 110	2
		1998.. 15 748 816	2
		1997.. 14 989 698	X
323110B	Other general job printing, nec (lithographic) (offset) .....	2001.. 10 844 913	3
		2000.. 11 370 325	3
		1999.. 11 516 054	4
		1998.. 10 564 464	2
		1997.. 10 088 528	X
323110W	Commercial lithographic printing, nsk, total .....	2001.. 7 667 084	7
		2000.. 7 100 977	8
		1999.. 7 228 279	6
		1998.. 7 594 416	2
		1997.. 7 501 792	X
323111	Commercial gravure printing .....	2001.. 3 422 934	3
		2000.. 3 592 973	3
		1999.. 3 736 443	3
		1998.. 4 108 936	1
		1997.. 3 927 548	X
3231111	Magazine and periodical printing (gravure) .....	2001.. 600 627	1
		2000.. 674 459	1
		1999.. 690 501	1
		1998.. 767 143	1
		1997.. 780 767	X
3231113	Label and wrapper printing (gravure) .....	2001.. 655 412	12
		2000.. 718 961	10
		1999.. 738 846	8
		1998.. 771 857	6
		1997.. 736 982	X
3231115	Catalog and directory printing (gravure) .....	2001.. 725 108	1
		2000.. 679 432	1
		1999.. 766 707	1
		1998.. 826 797	1
		1997.. 837 823	X
3231117	Advertising printing (gravure) .....	2001.. 965 300	4
		2000.. 932 070	3
		1999.. 921 251	2
		1998.. 839 005	1
		1997.. 702 355	X
3231119	Other general job printing, nec (gravure) .....	2001.. 379 447	8
		2000.. 433 212	8
		1999.. 475 917	8
		1998.. 562 012	5
		1997.. 556 474	X
323111W	Commercial gravure printing, nsk, total .....	2001.. 97 039	78
		2000.. 154 839	47
		1999.. 143 221	44
		1998.. 342 120	1
		1997.. 313 147	X
323112	Commercial flexographic printing .....	2001.. 5 042 504	3
		2000.. 4 908 536	3
		1999.. 4 649 787	3
		1998.. 4 486 638	2
		1997.. 4 359 286	X
3231121	Label and wrapper printing (flexographic) .....	2001.. 3 986 131	3
		2000.. 3 961 021	3
		1999.. 3 804 392	2
		1998.. 3 637 502	2
		1997.. 3 532 321	X
3231123	Flexographic printing, nec (excluding labels and wrappers) .....	2001.. 751 623	10
		2000.. 717 693	9
		1999.. 646 498	9
		1998.. 710 620	2
		1997.. 725 630	X
323112W	Commercial flexographic printing, nsk, total .....	2001.. 304 750	17
		2000.. 229 822	18
		1999.. 198 897	17
		1998.. 138 516	10
		1997.. 101 335	X
323113	Commercial screen printing .....	2001.. 5 984 018	6
		2000.. 6 345 380	6
		1999.. 5 850 244	5
		1998.. 6 099 941	2
		1997.. 6 049 991	X
3231131	Screen printing, except on textiles .....	2001.. 2 587 068	4
		2000.. 2 768 012	4
		1999.. 2 867 725	3
		1998.. 2 887 734	2
		1997.. 2 779 259	X
3231133	Screen printing on garments, apparel accessories, and other fabric articles .....	2001.. 2 572 971	12
		2000.. 2 811 638	13
		1999.. 2 249 413	11
		1998.. 2 320 714	2
		1997.. 2 551 895	X
323113W	Commercial screen printing, nsk, total .....	2001.. 823 978	15
		2000.. 765 730	16
		1999.. 733 107	14
		1998.. 891 493	5
		1997.. 718 837	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
323114	Quick printing .....	2001..	6
		2000..	5
		1999..	4
		1998..	2
		1997..	X
3231140	Quick printing .....	2001..	6
		2000..	5
		1999..	4
		1998..	2
		1997..	X
323115	Digital printing .....	2001..	7
		2000..	6
		1999..	6
		1998..	5
		1997..	X
3231150	Digital printing .....	2001..	7
		2000..	6
		1999..	6
		1998..	5
		1997..	X
323116	Manifold business form printing .....	2001..	4
		2000..	4
		1999..	3
		1998..	2
		1997..	X
3231161	Unit set forms, loose or bound .....	2001..	6
		2000..	5
		1999..	4
		1998..	2
		1997..	X
3231163	Manifold books and pegboard accounting systems .....	2001..	7
		2000..	6
		1999..	4
		1998..	1
		1997..	X
3231165	Custom continuous business forms .....	2001..	6
		2000..	4
		1999..	5
		1998..	2
		1997..	X
3231167	Stock continuous business forms .....	2001..	10
		2000..	11
		1999..	9
		1998..	13
		1997..	X
3231169	Checkbooks (including inserts and refills, but excluding those in continuous form and die-cut) .....	2001..	6
		2000..	6
		1999..	5
		1998..	1
		1997..	X
323116W	Manifold business form printing, nsk, total .....	2001..	25
		2000..	30
		1999..	16
		1998..	3
		1997..	X
323117	Book printing .....	2001..	3
		2000..	2
		1999..	2
		1998..	2
		1997..	X
3231171	Textbook printing and binding .....	2001..	4
		2000..	4
		1999..	3
		1998..	9
		1997..	X
3231173	Technical, scientific, and professional book printing and binding .....	2001..	12
		2000..	7
		1999..	6
		1998..	5
		1997..	X
3231175	Religious book printing and binding .....	2001..	6
		2000..	6
		1999..	5
		1998..	2
		1997..	X
3231177	General book (trade, etc.) printing and binding .....	2001..	5
		2000..	4
		1999..	3
		1998..	1
		1997..	X
3231179	Other book printing and binding, nec.....	2001..	5
		2000..	4
		1999..	4
		1998..	3
		1997..	X
323117A	Books, printing only, not bound .....	2001..	10
		2000..	13
		1999..	9
		1998..	14
		1997..	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
323117	Book printing—Con.		
323117C	Pamphlet printing and binding or printing only (excluding advertising pamphlets) . . . . .	2001.. 384 974	11
		2000.. 504 284	9
		1999.. 495 073	7
		1998.. 476 449	2
		1997.. 471 886	X
323117W	Book printing, nsk, total . . . . .	2001.. 489 844	15
		2000.. 468 032	16
		1999.. 516 544	10
		1998.. 501 116	3
		1997.. 512 526	X
323118	Blankbooks and looseleaf binders and devices . . . . .	2001.. 2 123 111	3
		2000.. 2 306 192	3
		1999.. 2 311 905	2
		1998.. 2 283 243	4
		1997.. 2 322 741	X
3231181	Blankbook making, except checkbooks . . . . .	2001.. 348 981	3
		2000.. 363 235	3
		1999.. 371 580	2
		1998.. 293 645	32
		1997.. 475 826	X
3231183	Looseleaf binders, devices, and forms, including those used for time planners-organizers, appointment books, photo albums, scrap books, etc. . . . .	2001.. 1 615 700	4
		2000.. 1 774 520	3
		1999.. 1 770 393	2
		1998.. 1 764 960	1
		1997.. 1 638 364	X
323118W	Blankbooks and looseleaf binders and devices, nsk, total . . . . .	2001.. 158 430	18
		2000.. 168 437	15
		1999.. 169 931	13
		1998.. 224 639	5
		1997.. 208 551	X
323119	Other commercial printing . . . . .	2001.. 3 356 035	7
		2000.. 3 296 018	6
		1999.. 3 236 924	5
		1998.. 3 641 401	3
		1997.. 3 458 992	X
3231191	Magazine and periodical printing (letterpress) . . . . .	2001.. 15 871	22
		2000.. 16 807	20
		1999.. 17 193	17
		1998.. 21 214	21
		1997.. 25 590	X
3231193	Label and wrapper printing (letterpress) . . . . .	2001.. 596 079	8
		2000.. 580 692	7
		1999.. 607 800	7
		1998.. 745 064	13
		1997.. 716 576	X
3231195	Catalog and directory printing (letterpress) . . . . .	2001.. 54 092	13
		2000.. 49 396	9
		1999.. 53 006	8
		1998.. 44 309	6
		1997.. 31 895	X
3231197	Financial and legal printing (letterpress) . . . . .	2001.. 7 446	A
		2000.. 8 954	A
		1999.. 36 873	21
		1998.. 36 804	8
		1997.. 26 497	X
3231199	Advertising printing (letterpress) . . . . .	2001.. 162 745	15
		2000.. 163 003	15
		1999.. 191 292	13
		1998.. 257 286	9
		1997.. 244 225	X
323119B	Other general job printing (letterpress) . . . . .	2001.. 896 200	13
		2000.. 928 948	10
		1999.. 957 701	8
		1998.. 896 811	5
		1997.. 925 571	X
323119E	Engraving (printing) . . . . .	2001.. 297 081	22
		2000.. 323 858	21
		1999.. 303 498	21
		1998.. 247 676	2
		1997.. 247 625	X
323119W	Other commercial printing, nsk, total . . . . .	2001.. 1 326 521	13
		2000.. 1 224 361	14
		1999.. 1 069 560	12
		1998.. 1 392 237	3
		1997.. 1 241 013	X
323121	Tradebinding and related work . . . . .	2001.. 2 050 475	6
		2000.. 2 150 841	5
		1999.. 2 056 624	5
		1998.. 1 993 940	4
		1997.. 1 915 223	X
3231211	Edition, library, and other hardcover bookbinding . . . . .	2001.. 379 384	9
		2000.. 383 813	8
		1999.. 356 000	5
		1998.. 313 631	1
		1997.. 294 603	X
3231213	Other book and pamphlet binding, and related binding and post-press work, nec . . . . .	2001.. 1 470 748	6
		2000.. 1 535 258	5
		1999.. 1 456 173	5
		1998.. 1 302 322	5
		1997.. 1 248 965	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
323121	Tradebinding and related work—Con.			
323121W	Tradebinding and related work, nsk, total .....	2001..	200 343	43
		2000..	231 770	35
		1999..	244 450	32
		1998..	377 987	10
		1997..	371 655	X
323122	Prepress services .....	2001..	4 548 502	7
		2000..	5 029 733	5
		1999..	5 263 650	5
		1998..	5 427 460	3
		1997..	5 165 549	X
3231221	Prepress services, except platemaking (including film, assembled flats, color separations, typesetting, imagesetting, etc.) .....	2001..	3 266 447	8
		2000..	3 665 776	6
		1999..	3 868 381	6
		1998..	3 698 330	4
		1997..	3 533 395	X
3231223	Printing plates, prepared for printing, excluding blank plates .....	2001..	636 542	6
		2000..	672 520	5
		1999..	710 360	5
		1998..	762 067	6
		1997..	721 759	X
323122W	Prepress services, nsk, total .....	2001..	645 514	21
		2000..	691 437	17
		1999..	684 909	16
		1998..	967 063	3
		1997..	910 395	X
324110	Refined petroleum products .....	2001..	195 897 929	1
		2000..	210 187 191	1
		1999..	140 083 805	1
		1998..	114 439 313	1
		1997..	152 755 956	X
3241101	Gasoline, including finished base stocks and blending agents, aviation gasoline and motor gasoline, excluding jet fuel .....	2001..	99 031 362	1
		2000..	106 250 380	1
		1999..	72 892 411	1
		1998..	57 927 453	1
		1997..	77 557 632	X
3241104	Jet fuel, including naphtha type and kerosene type .....	2001..	17 219 612	1
		2000..	20 293 872	1
		1999..	13 915 752	1
		1998..	9 826 714	1
		1997..	14 017 775	X
3241107	Kerosene, except jet fuel .....	2001..	2 173 685	1
		2000..	1 775 712	1
		1999..	977 666	1
		1998..	891 746	1
		1997..	960 019	X
324110A	Light fuel oils (including No.1,2, and 4 light diesel-type, light gas enrichment oils, etc.) .....	2001..	39 916 029	1
		2000..	43 310 445	1
		1999..	25 762 672	2
		1998..	21 400 417	1
		1997..	28 941 405	X
324110D	Heavy fuel oils, including grades No. 5, 6, heavy diesel-type, heavy gas-enrichment oils, etc. ....	2001..	5 399 505	3
		2000..	6 096 389	3
		1999..	3 801 119	4
		1998..	3 034 479	5
		1997..	4 295 288	X
324110G	Lubricating oils and greases, made in a refinery\$ .....	2001..	958 031	4
		2000..	931 829	4
		1999..	746 395	3
		1998..	877 026	4
		1997..	704 035	X
324110J	Unfinished oils and lubricating oil base stock .....	2001..	7 556 620	2
		2000..	7 562 124	3
		1999..	5 763 990	1
		1998..	5 769 070	1
		1997..	8 219 990	X
324110M	Asphalt .....	2001..	4 280 928	5
		2000..	4 692 484	4
		1999..	2 960 285	1
		1998..	2 997 550	1
		1997..	3 320 500	X
324110P	Liquefied refinery gases, including other aliphatics (feed stock and other uses), made in a refinery\$ ...	2001..	9 091 188	2
		2000..	10 122 423	2
		1999..	5 803 365	4
		1998..	5 124 005	1
		1997..	8 157 277	X
324110T	Other finished petroleum products, including waxes .....	2001..	9 732 979	4
		2000..	8 698 857	5
		1999..	6 471 010	4
		1998..	5 221 262	1
		1997..	5 091 239	X
324110W	Petroleum refineries, nsk, total .....	2001..	537 991	54
		2000..	452 676	64
		1999..	989 138	12
		1998..	1 369 590	19
		1997..	1 490 796	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
324121	Asphalt paving mixtures and blocks.....	2001..	3
		2000..	3
		1999..	3
		1998..	3
		1997..	X
3241210	Asphalt paving mixtures and blocks.....	2001..	3
		2000..	3
		1999..	3
		1998..	3
		1997..	X
324122	Asphalt shingles and coating materials.....	2001..	3
		2000..	2
		1999..	2
		1998..	1
		1997..	X
3241221	Roofing asphalts and pitches, coatings, and cements.....	2001..	11
		2000..	7
		1999..	5
		1998..	3
		1997..	X
3241222	Prepared asphalt and tar roofing and siding products, including saturated felts and boards for nonbuilding use.....	2001..	2
		2000..	2
		1999..	2
		1998..	1
		1997..	X
324122W	Asphalt shingles and coating materials, nsk, total.....	2001..	15
		2000..	12
		1999..	11
		1998..	1
		1997..	X
324191	Petroleum lubricating oils and greases.....	2001..	3
		2000..	3
		1999..	4
		1998..	1
		1997..	X
3241910	Lubricating oils and greases, not made in a refinery\$.....	2001..	3
		2000..	3
		1999..	4
		1998..	1
		1997..	X
324199	All other petroleum and coal products.....	2001..	10
		2000..	10
		1999..	11
		1998..	2
		1997..	X
3241991	Coke oven and blast furnace products, not made in steel mills\$.....	2001..	4
		2000..	6
		1999..	9
		1998..	1
		1997..	X
3241992	All other petroleum and coal products, except coke oven products.....	2001..	14
		2000..	13
		1999..	15
		1998..	3
		1997..	X
324199W	All other petroleum and coal products, nsk, total.....	2001..	56
		2000..	59
		1999..	56
		1998..	2
		1997..	X
325110	Petrochemicals.....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3251101	Aromatics (benzene, toluene, xylene, etc.), not made in a refinery.....	2001..	4
		2000..	2
		1999..	2
		1998..	1
		1997..	X
3251104	Liquefied refinery gases (aliphatics), not made in a refinery\$.....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
325110W	Petrochemicals nsk, total.....	2001..	A
		2000..	A
		1999..	A
		1998..	1
		1997..	X
325120	Industrial gases.....	2001..	2
		2000..	2
		1999..	2
		1998..	1
		1997..	X
3251201	Acetylene@.....	2001..	2
		2000..	3
		1999..	3
		1998..	1
		1997..	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
325120	Industrial gases—Con.		
3251204	Carbon dioxide@ .....	2001.. 368 229	5
		2000.. 337 133	6
		1999.. 340 284	4
		1998.. 389 250	3
		1997.. 336 332	X
3251207	Nitrogen, including lower purity@ .....	2001.. 1 336 930	5
		2000.. 1 155 736	5
		1999.. 1 172 809	5
		1998.. 1 293 361	1
		1997.. 1 198 873	X
325120A	Oxygen, including lower purity@ .....	2001.. 871 938	7
		2000.. 926 207	5
		1999.. 979 961	4
		1998.. 1 094 279	1
		1997.. 993 637	X
325120D	Other industrial gases, including argon, hydrogen, helium, and carbon monoxide@ .....	2001.. 2 237 089	2
		2000.. 2 158 908	1
		1999.. 2 237 955	2
		1998.. 2 363 896	1
		1997.. 2 201 810	X
325120W	Industrial gases, nsk, total .....	2001.. 149 645	17
		2000.. 135 721	19
		1999.. 104 322	29
		1998.. 348 802	5
		1997.. 333 826	X
325131	Inorganic pigments .....	2001.. 3 282 641	4
		2000.. 3 504 206	3
		1999.. 3 537 185	4
		1998.. 3 829 441	1
		1997.. 3 909 644	X
3251311	Titanium dioxide, composite and pure@ .....	2001.. 1 984 092	1
		2000.. 2 092 520	1
		1999.. 2 193 811	1
		1998.. 2 421 847	1
		1997.. 2 499 187	X
3251314	Other white opaque pigments (including zinc oxide pigments, titanium pigment preparations, antimony oxide, lithophone, and zink sulfides) .....	2001.. 313 327	3
		2000.. 386 456	5
		1999.. 342 204	4
		1998.. 431 637	1
		1997.. 363 246	X
3251317	Chrome colors and other inorganic pigments@ .....	2001.. 942 122	12
		2000.. 982 442	9
		1999.. 960 361	13
		1998.. 889 272	1
		1997.. 932 343	X
325131W	Inorganic pigments, nsk, total .....	2001.. 43 099	41
		2000.. 42 789	41
		1999.. 40 808	43
		1998.. 86 684	1
		1997.. 114 868	X
325132	Organic dyes and pigments .....	2001.. 2 356 915	9
		2000.. 2 772 019	8
		1999.. 2 747 687	8
		1998.. 2 590 686	2
		1997.. 2 746 542	X
3251321	Synthetic organic dyes .....	2001.. 605 233	5
		2000.. 753 452	4
		1999.. 843 890	3
		1998.. 921 373	3
		1997.. 1 060 777	X
3251324	Synthetic organic pigments, lakes, and toners .....	2001.. 1 606 847	13
		2000.. 1 890 726	12
		1999.. 1 788 676	13
		1998.. 1 584 558	2
		1997.. 1 623 765	X
325132W	Organic dyes and pigments, nsk, total .....	2001.. 144 835	1
		2000.. 127 841	1
		1999.. 115 122	1
		1998.. 84 755	1
		1997.. 62 000	X
325181	Alkalies and chlorine .....	2001.. 3 210 303	2
		2000.. 3 396 312	1
		1999.. 3 015 035	1
		1998.. 2 949 798	1
		1997.. 3 081 950	X
3251811	Chlorine, compressed or liquefied@ .....	2001.. 521 404	4
		2000.. 1 162 151	1
		1999.. 804 016	1
		1998.. 815 908	5
		1997.. 1 223 456	X
3251814	Sodium hydroxide (caustic soda)@ .....	2001.. 2 043 734	3
		2000.. 1 518 051	1
		1999.. 1 542 921	1
		1998.. 1 690 642	1
		1997.. 1 446 405	X
3251817	Alkalies other than chlorine and sodium hydroxide@ .....	2001.. 619 748	1
		2000.. 693 193	1
		1999.. 645 365	1
		1998.. 393 819	1
		1997.. 389 286	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
325181	Alkalies and chlorine—Con.		
325181W	Alkalies and chlorine, nsk, total .....	2001.. 25 417	1
		2000.. 22 916	1
		1999.. 22 733	1
		1998.. 49 429	1
		1997.. 22 803	X
325182	Carbon black .....	2001.. 1 028 017	1
		2000.. 1 075 242	2
		1999.. 946 953	1
		1998.. 1 037 320	9
		1997.. 948 421	X
3251820	Carbon black, all processes .....	2001.. 1 028 017	1
		2000.. 1 075 242	2
		1999.. 946 953	1
		1998.. 1 037 320	X
		1997.. 948 421	X
325188	All other basic inorganic chemicals .....	2001.. 12 763 891	2
		2000.. 13 401 795	2
		1999.. 13 698 087	2
		1998.. 15 720 422	1
		1997.. 15 400 740	X
3251881	Sulfuric acid, gross (new and fortified)@ .....	2001.. 619 065	10
		2000.. 601 576	6
		1999.. 544 738	5
		1998.. 654 829	20
		1997.. 610 418	X
3251884	Inorganic acids, except nitric, sulfuric, and phosphoric (including hydrochloric, hydrofluoric, hydrocyanic, boric, and perchloric acids)@ .....	2001.. 579 191	2
		2000.. 629 754	3
		1999.. 741 139	2
		1998.. 660 891	1
		1997.. 726 727	X
3251887	Other inorganic aluminum compounds (including aluminum chloride, hydroxide, fluoride, sulfate, alum, and sodium aluminate)@ .....	2001.. 856 311	8
		2000.. 870 066	8
		1999.. 795 355	5
		1998.. 784 032	6
		1997.. 780 119	X
325188A	Inorganic potassium and sodium compounds, except alkalies, alums, and bleaches@ .....	2001.. 1 836 966	4
		2000.. 2 012 963	3
		1999.. 2 234 107	3
		1998.. 2 110 810	1
		1997.. 2 131 141	X
325188D	Chemical catalytic preparations (excluding silica gel catalyst) .....	2001.. 1 861 117	2
		2000.. 1 662 989	2
		1999.. 1 630 452	1
		1998.. 1 778 352	1
		1997.. 1 857 513	X
325188G	All other inorganic chemicals, nec (including nuclear fuel, titanium tetrachloride, and other titanium compounds)@ .....	2001.. 6 709 465	3
		2000.. 7 315 115	3
		1999.. 7 400 124	2
		1998.. 8 968 972	1
		1997.. 8 627 582	X
325188W	Inorganic chemicals, nsk, total .....	2001.. 301 776	48
		2000.. 309 332	47
		1999.. 352 173	43
		1998.. 762 535	5
		1997.. 667 240	X
325191	Gum and wood chemicals .....	2001.. 942 024	1
		2000.. 921 158	1
		1999.. 965 304	4
		1998.. 959 998	1
		1997.. 967 439	X
3251910	Gum and wood chemicals, including wood distillation products .....	2001.. 942 024	1
		2000.. 921 158	1
		1999.. 965 304	4
		1998.. 959 998	1
		1997.. 967 439	X
325192	Cyclic crudes and intermediates.....	2001.. 8 514 974	3
		2000.. 10 314 291	2
		1999.. 8 665 159	2
		1998.. 8 987 995	1
		1997.. 9 815 911	X
3251921	Cyclic (coal tar) intermediates .....	2001.. 7 848 328	3
		2000.. 9 517 498	2
		1999.. 7 904 746	2
		1998.. 8 182 118	1
		1997.. 8 905 865	X
3251924	Tar, tar crudes, and tar pitches .....	2001.. 624 284	19
		2000.. 760 362	13
		1999.. 729 190	3
		1998.. 773 341	1
		1997.. 877 303	X
325192W	Cyclic crudes and intermediates, nsk, total .....	2001.. 42 362	1
		2000.. 36 431	1
		1999.. 31 224	8
		1998.. 32 536	1
		1997.. 32 743	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
325193	Ethyl alcohol.....	2001..	2 824 200	4
		2000..	2 592 619	5
		1999..	2 003 479	2
		1998..	1 966 526	1
		1997..	2 266 624	X
3251930	Ethyl alcohol.....	2001..	2 824 200	4
		2000..	2 592 619	5
		1999..	2 003 479	2
		1998..	1 966 526	1
		1997..	2 266 624	X
325199	All other basic organic chemicals.....	2001..	43 889 711	2
		2000..	47 006 010	2
		1999..	41 815 084	3
		1998..	40 883 095	1
		1997..	46 037 098	X
3251991	Fatty acids.....	2001..	2 296 165	3
		2000..	2 069 918	2
		1999..	2 051 650	2
		1998..	1 067 391	1
		1997..	1 169 380	X
3251994	Bulk pesticides and other bulk synthetic organic agricultural chemicals, except preparations.....	2001..	1 978 793	4
		2000..	2 012 692	5
		1999..	2 152 615	3
		1998..	1 105 473	5
		1997..	1 203 403	X
3251997	Industrial organic flavor oil mixtures and blends.....	2001..	564 503	1
		2000..	569 435	1
		1999..	348 394	6
		1998..	266 842	3
		1997..	278 832	X
325199A	Reagent and high purity grades of organic chemicals refined from purchased technical grades.....	2001..	536 098	4
		2000..	491 035	1
		1999..	335 700	2
		1998..	374 245	1
		1997..	382 027	X
325199E	Natural organic chemicals, nec.....	2001..	992 736	5
		2000..	1 020 711	5
		1999..	960 052	5
		1998..	870 245	3
		1997..	959 621	X
325199H	Synthetic organic chemicals for use as flavor and perfume materials.....	2001..	1 285 591	7
		2000..	1 490 407	6
		1999..	1 598 273	4
		1998..	1 650 134	12
		1997..	1 615 421	X
325199K	Synthetic organic rubber-processing chemicals.....	2001..	372 575	6
		2000..	431 352	3
		1999..	523 195	3
		1998..	644 593	1
		1997..	614 776	X
325199N	Synthetic organic plasticizers.....	2001..	728 709	4
		2000..	794 877	2
		1999..	724 412	2
		1998..	930 798	4
		1997..	958 211	X
325199R	Other synthetic organic chemicals, nec.....	2001..	2 709 326	8
		2000..	2 802 694	5
		1999..	2 314 122	3
		1998..	1 961 363	5
		1997..	2 079 609	X
325199T	Miscellaneous end-use chemicals and chemical products (excluding urea), and other industrial organic chemicals, nec.....	2001..	12 824 800	3
		2000..	13 264 719	3
		1999..	11 073 109	3
		1998..	10 645 227	1
		1997..	12 023 980	X
325199U	Miscellaneous cyclic and acyclic chemicals and chemical products, except fluorocarbon gases, carbon bisulfide (disulfide), and fatty acid esters.....	2001..	18 727 723	4
		2000..	21 232 857	5
		1999..	18 938 222	5
		1998..	19 420 860	2
		1997..	22 770 981	X
325199W	All other basic organic chemicals, nsk, total.....	2001..	872 690	40
		2000..	825 314	42
		1999..	795 339	44
		1998..	1 945 925	2
		1997..	1 980 857	X
325211	Plastics materials and resins.....	2001..	44 678 847	2
		2000..	51 400 284	2
		1999..	46 198 812	1
		1998..	44 835 697	1
		1997..	45 833 316	X
3252111	Thermoplastics resins and plastics materials (including vinyl, polyester (saturated), styrene, cellulosic, acrylic, etc.).....	2001..	36 672 530	2
		2000..	42 313 840	2
		1999..	37 448 959	1
		1998..	35 333 903	1
		1997..	36 589 561	X
3252114	Thermosetting resins and plastics materials (including polyester resins (unsaturated), amino resins, polyurethane resins, epoxy resins).....	2001..	7 806 559	2
		2000..	8 899 257	1
		1999..	8 576 346	1
		1998..	8 813 046	1
		1997..	8 722 920	X

See footnotes at end of table.



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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
325211	Plastics materials and resins—Con.			
325211W	Plastics materials and resins, nsk, total .....	2001..	199 758	63
		2000..	187 188	67
		1999..	173 506	72
		1998..	688 749	2
		1997..	520 835	X
325212	Synthetic rubber (vulcanizable elastomers) .....	2001..	5 782 210	2
		2000..	6 345 427	2
		1999..	6 110 942	2
		1998..	5 715 363	1
		1997..	6 249 385	X
3252120	Synthetic rubber (including vulcanizable elastomers, latex, SBR, nitrile, butyl, etc.) .....	2001..	5 782 210	2
		2000..	6 345 427	2
		1999..	6 110 942	2
		1998..	5 715 363	1
		1997..	6 249 385	X
325221	Manufactured cellulosic fibers .....	2001..	974 385	1
		2000..	1 064 955	1
		1999..	1 232 790	1
		1998..	1 483 690	1
		1997..	1 728 274	X
3252210	Rayon, acetate, and lyocell manufactured fibers .....	2001..	974 385	1
		2000..	1 064 955	1
		1999..	1 232 790	1
		1998..	1 483 690	X
		1997..	1 728 274	X
325222	Manufactured noncellulosic fibers .....	2001..	8 673 189	1
		2000..	9 578 855	1
		1999..	9 704 745	1
		1998..	10 362 780	1
		1997..	10 341 933	X
3252221	Nylon and other polyamide fibers .....	2001..	3 853 147	1
		2000..	3 906 411	1
		1999..	3 526 651	1
		1998..	3 444 158	1
		1997..	3 376 082	X
3252224	Polyolefin fibers .....	2001..	354 575	11
		2000..	426 502	10
		1999..	280 334	14
		1998..	262 440	17
		1997..	185 982	X
3252227	Polyester fibers .....	2001..	2 155 537	2
		2000..	2 431 596	1
		1999..	2 524 115	1
		1998..	3 081 507	1
		1997..	3 343 156	X
325222A	Other manufactured noncellulosic fibers (except glass, carbon, and graphite) .....	2001..	869 046	7
		2000..	1 062 321	1
		1999..	1 207 715	1
		1998..	1 344 972	1
		1997..	1 029 313	X
325222D	Producer textured manufactured noncellulosic fibers .....	2001..	1 403 650	1
		2000..	1 719 016	1
		1999..	2 134 889	1
		1998..	2 202 920	1
		1997..	2 378 653	X
325222W	Manufactured noncellulosic organic fibers, nsk, total .....	2001..	37 214	13
		2000..	33 009	15
		1999..	31 040	16
		1998..	26 783	1
		1997..	28 747	X
325311	Nitrogenous fertilizers .....	2001..	3 580 398	3
		2000..	3 482 949	3
		1999..	3 069 975	4
		1998..	3 846 230	3
		1997..	4 507 914	X
3253111	Synthetic ammonia, nitric acid, and ammonium compounds@ .....	2001..	2 716 360	3
		2000..	2 587 592	4
		1999..	2 263 322	6
		1998..	2 967 118	3
		1997..	3 511 869	X
3253114	Urea@ .....	2001..	590 309	5
		2000..	644 700	5
		1999..	600 870	4
		1998..	674 562	1
		1997..	784 792	X
3253117	Nitrogenous fertilizer materials of organic origin, including activated sewage sludge, processed tankage, etc. ....	2001..	103 693	21
		2000..	96 223	42
		1999..	63 534	5
		1998..	23 585	90
		1997..	70 394	X
325311W	Nitrogenous fertilizers, nsk, total .....	2001..	170 035	1
		2000..	154 433	1
		1999..	142 249	1
		1998..	180 966	1
		1997..	140 859	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
325312	Phosphatic fertilizers .....	2001..	3 407 144	3
		2000..	3 925 905	3
		1999..	4 727 084	2
		1998..	5 490 246	1
		1997..	5 362 239	X
3253121	Phosphoric acid@ .....	2001..	872 910	1
		2000..	996 271	1
		1999..	956 516	1
		1998..	1 446 842	1
		1997..	1 309 336	X
3253124	Superphosphate and other phosphatic fertilizer materials@ .....	2001..	2 267 293	4
		2000..	2 604 090	3
		1999..	3 517 547	1
		1998..	3 693 049	1
		1997..	3 614 889	X
3253127	Mixed fertilizers, made by plants which manufacture fertilizer materials\$ .....	2001..	247 640	30
		2000..	300 437	24
		1999..	224 130	33
		1998..	310 324	1
		1997..	399 212	X
325312W	Phosphatic fertilizers, nsk, total .....	2001..	19 301	13
		2000..	25 108	1
		1999..	28 891	1
		1998..	40 032	1
		1997..	38 802	X
325314	Fertilizers, mixing only .....	2001..	2 735 433	7
		2000..	2 721 586	7
		1999..	2 443 338	6
		1998..	3 137 638	1
		1997..	2 926 500	X
3253140	Mixed fertilizers, made by plants which do not manufacture fertilizer materials\$ .....	2001..	2 735 433	7
		2000..	2 721 586	7
		1999..	2 443 338	6
		1998..	3 137 638	1
		1997..	2 926 500	X
325320	Pesticides and other agricultural chemicals .....	2001..	9 096 706	3
		2000..	9 353 739	4
		1999..	10 163 299	4
		1998..	11 239 685	1
		1997..	11 067 289	X
3253201	Agricultural and commercial pesticides and chemicals .....	2001..	6 505 784	4
		2000..	6 511 534	4
		1999..	7 111 061	4
		1998..	8 443 026	1
		1997..	9 244 512	X
3253204	Lawn and garden pesticides and chemicals .....	2001..	283 123	11
		2000..	548 687	49
		1999..	688 858	41
		1998..	467 857	9
		1997..	360 784	X
3253207	Household and institutional pesticides and chemicals .....	2001..	1 908 261	2
		2000..	1 899 117	2
		1999..	2 145 032	2
		1998..	2 181 434	1
		1997..	1 142 047	X
325320W	Pesticide and other agricultural chemical manufacturing, nec, nsk, total .....	2001..	399 538	1
		2000..	394 402	1
		1999..	218 347	3
		1998..	147 368	41
		1997..	319 946	X
325411	Medicinals and botanicals .....	2001..	11 125 950	3
		2000..	12 257 186	3
		1999..	11 796 469	2
		1998..	12 251 292	1
		1997..	10 985 383	X
3254111	Synthetic organic medicinal chemicals, in bulk .....	2001..	8 698 009	3
		2000..	9 514 026	2
		1999..	9 306 440	2
		1998..	9 187 151	1
		1997..	8 249 161	X
3254114	Other medicinal chemicals and botanical products, in bulk, nec (including naturally occurring vitamins, hormones, drugs, and artificial mixtures) .....	2001..	2 316 007	10
		2000..	2 625 522	9
		1999..	2 313 294	5
		1998..	2 805 127	1
		1997..	2 625 474	X
325411W	Medicinals and botanicals, nsk, total .....	2001..	111 934	79
		2000..	117 639	75
		1999..	176 736	50
		1998..	259 014	1
		1997..	110 748	X
325412	Pharmaceutical preparations .....	2001..	93 771 907	3
		2000..	80 138 588	3
		1999..	72 751 444	1
		1998..	67 747 840	1
		1997..	59 215 525	X
3254121	Pharmaceutical preparations, affecting neoplasms, the endocrine system, and metabolic diseases, for human use@ .....	2001..	14 121 893	4
		2000..	9 290 471	4
		1999..	7 733 075	4
		1998..	7 319 911	2
		1997..	4 821 511	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
325412	Pharmaceutical preparations—Con.		
3254124	Pharmaceutical preparations, acting on the central nervous system and the sense organs, for human use, excluding diagnostics@ .....	2001.. 20 592 397	11
		2000.. 17 968 764	10
		1999.. 15 301 340	3
		1998.. 13 514 197	2
		1997.. 11 808 739	X
3254127	Pharmaceutical preparations, acting on the cardiovascular system, for human use, excluding diagnostics@ .....	2001.. 9 783 184	4
		2000.. 9 285 614	4
		1999.. 9 547 107	2
		1998.. 9 593 293	1
		1997.. 8 656 088	X
325412A	Pharmaceutical preparations, acting on the respiratory system, for human use, excluding diagnostics@ .....	2001.. 11 950 519	1
		2000.. 9 762 964	1
		1999.. 7 939 710	1
		1998.. 6 944 230	3
		1997.. 5 742 303	X
325412D	Pharmaceutical preparations, acting on the digestive or the genito-urinary systems, for human use, excluding diagnostics@ .....	2001.. 12 576 906	6
		2000.. 9 570 012	1
		1999.. 8 507 485	1
		1998.. 9 133 187	1
		1997.. 9 360 623	X
325412G	Pharmaceutical preparations, acting on the skin, for human use (incl burn ointments, acne preparations, hemorrhoidal preparations, rubbing alcohol, etc.)@ .....	2001.. 2 669 454	17
		2000.. 3 067 839	16
		1999.. 2 792 561	17
		1998.. 1 751 537	8
		1997.. 1 800 841	X
325412L	Pharmaceutical preparations, vitamin, nutrient, and hematinic preparations, for human use@ .....	2001.. 6 258 527	5
		2000.. 6 125 085	3
		1999.. 6 919 722	3
		1998.. 6 418 509	1
		1997.. 5 209 752	X
325412P	Pharmaceutical preparations, affecting parasitic and infective diseases, for human use (including penicillins, antibiotics, antiseptic mouthwash, etc.)@ .....	2001.. 11 411 913	2
		2000.. 11 018 960	2
		1999.. 9 677 294	1
		1998.. 8 674 159	1
		1997.. 7 651 310	X
325412T	Pharmaceutical preparations, for veterinary use@ .....	2001.. 2 557 905	11
		2000.. 2 031 521	4
		1999.. 2 207 920	4
		1998.. 1 956 788	1
		1997.. 1 593 352	X
325412V	Diagnostic substances, in vivo (including angiourographic agents, other contrast media products, radioactive regents, etc.) .....	2001.. 1 197 059	6
		2000.. 1 305 040	5
		1999.. 1 075 416	7
		1998.. 895 480	2
		1997.. 1 070 479	X
325412W	Pharmaceutical preparations, nsk, total .....	2001.. 652 151	66
		2000.. 712 318	60
		1999.. 1 049 815	41
		1998.. 1 546 552	2
		1997.. 1 500 527	X
325413	Diagnostic substances, in vitro .....	2001.. 7 213 919	4
		2000.. 7 569 565	3
		1999.. 7 935 256	2
		1998.. 7 201 915	2
		1997.. 6 483 326	X
3254130	Diagnostic substances, in vitro (including clinical chemistry, blood bank, hematology, coagulation, microbiology, virology, etc.) .....	2001.. 7 213 919	4
		2000.. 7 569 565	3
		1999.. 7 935 256	2
		1998.. 7 201 915	2
		1997.. 6 483 326	X
325414	Biological products, except diagnostics .....	2001.. 7 348 709	3
		2000.. 6 731 920	3
		1999.. 6 076 266	2
		1998.. 6 434 452	1
		1997.. 5 398 081	X
3254141	Blood and blood derivatives, except diagnostics, for human use .....	2001.. 1 313 817	2
		2000.. 1 296 344	1
		1999.. 1 115 104	1
		1998.. 1 050 873	1
		1997.. 1 060 150	X
3254144	Vaccines, toxoids, and antigens, except allergens, for human use .....	2001.. 2 192 989	1
		2000.. 1 671 216	1
		1999.. 1 529 143	1
		1998.. 1 411 586	1
		1997.. 1 265 460	X
3254147	Other biologics, except diagnostic, for human use (including antitoxins, antivenoms, blood derivatives for therapeutic use, and allergenic extracts) .....	2001.. 2 048 708	9
		2000.. 2 151 153	7
		1999.. 1 672 416	6
		1998.. 2 004 038	1
		1997.. 1 511 455	X
325414A	Biological products, except diagnostic, for veterinary, industrial, and other uses, nec .....	2001.. 1 530 243	8
		2000.. 1 333 958	8
		1999.. 1 497 928	5
		1998.. 1 626 801	2
		1997.. 1 304 739	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
325414	Biological products, except diagnostics—Con.		
325414W	Biological products, except diagnostic, nsk, total .....	2001.. 262 952	23
		2000.. 279 249	23
		1999.. 261 674	24
		1998.. 341 154	2
		1997.. 256 277	X
325510	Paints and coatings .....	2001.. 18 507 055	2
		2000.. 18 600 402	2
		1999.. 18 448 492	2
		1998.. 18 398 733	4
		1997.. 17 957 440	X
3255101	Architectural coatings@ .....	2001.. 7 043 239	2
		2000.. 6 486 662	2
		1999.. 6 511 239	2
		1998.. 6 331 239	1
		1997.. 6 096 705	X
3255104	Product finishes for original equipment manufacturers (OEM), excluding marine coatings@ .....	2001.. 5 892 045	3
		2000.. 6 262 438	3
		1999.. 6 153 684	2
		1998.. 5 789 265	2
		1997.. 5 778 416	X
3255107	Special-purpose coatings including all marine coatings, industrial, construction and maintenance coatings, traffic marking paints, etc. @ .....	2001.. 3 332 305	6
		2000.. 3 507 778	7
		1999.. 3 630 113	6
		1998.. 3 484 482	6
		1997.. 3 015 031	X
325510A	Miscellaneous allied paint products (including paint and varnish removers, thinners, pigment dispersions, glazing compounds, etc.)@ .....	2001.. 1 238 413	11
		2000.. 1 448 574	9
		1999.. 1 332 963	11
		1998.. 1 590 861	5
		1997.. 1 652 578	X
325510W	Paints and coatings, nsk, total .....	2001.. 1 001 052	19
		2000.. 894 950	21
		1999.. 820 493	21
		1998.. 1 202 886	50
		1997.. 1 414 710	X
325520	Adhesives and sealants .....	2001.. 7 722 453	5
		2000.. 7 905 701	4
		1999.. 7 854 007	4
		1998.. 7 307 070	1
		1997.. 7 374 355	X
3255201	Natural base glues and adhesives (including animal, bone, protein, vegetable, gums, bituminous, etc.) .....	2001.. 782 037	11
		2000.. 791 011	13
		1999.. 704 315	14
		1998.. 359 469	9
		1997.. 322 944	X
3255204	Synthetic resin and rubber adhesives, including all types of bonding and laminating adhesives .....	2001.. 4 838 430	7
		2000.. 4 797 614	6
		1999.. 4 502 832	5
		1998.. 4 194 569	2
		1997.. 4 338 084	X
3255207	Structural sealants (load-bearing) .....	2001.. 248 209	33
		2000.. 448 720	18
		1999.. 412 121	18
		1998.. 352 064	1
		1997.. 495 787	X
325520A	Nonstructural caulking compounds and sealants .....	2001.. 1 564 366	6
		2000.. 1 409 918	6
		1999.. 1 530 131	7
		1998.. 1 389 505	2
		1997.. 1 436 177	X
325520W	Adhesives and sealants, nsk, total .....	2001.. 289 411	45
		2000.. 458 438	30
		1999.. 704 608	19
		1998.. 1 011 463	1
		1997.. 781 363	X
325611	Soaps and other detergents .....	2001.. 15 618 223	3
		2000.. 14 046 627	3
		1999.. 13 683 288	3
		1998.. 14 280 470	4
		1997.. 14 326 060	X
3256111	Commercial, industrial, and institutional soaps and detergents, except specialty cleaners .....	2001.. 3 038 805	8
		2000.. 2 864 478	8
		1999.. 2 206 263	8
		1998.. 2 160 358	16
		1997.. 2 276 865	X
3256114	Household detergents .....	2001.. 8 564 107	4
		2000.. 7 173 528	4
		1999.. 7 582 216	3
		1998.. 7 070 423	1
		1997.. 7 176 655	X
3256117	Household soaps, except specialty cleaners (including toilet soaps, medicated and mechanics' soap, etc.) .....	2001.. 2 578 147	4
		2000.. 2 437 825	4
		1999.. 2 183 507	2
		1998.. 2 059 157	5
		1997.. 1 832 132	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
325611	Soaps and other detergents—Con.		
325611A	Glycerin, natural .....	2001.. 102 928	1
		2000.. 107 492	1
		1999.. 118 647	1
		1998.. 228 958	2
		1997.. 265 942	X
325611D	Toothpaste, including gels and toothpowder .....	2001.. 1 144 311	4
		2000.. 1 250 139	4
		1999.. 1 188 485	4
		1998.. 1 082 904	3
		1997.. 1 403 379	X
325611W	Soap and other detergents, nsk, total .....	2001.. 189 924	A
		2000.. 213 166	A
		1999.. 404 169	58
		1998.. 1 678 671	24
		1997.. 1 371 087	X
325612	Polishes and sanitation goods .....	2001.. 7 330 590	5
		2000.. 8 166 838	4
		1999.. 7 267 994	3
		1998.. 7 633 982	2
		1997.. 8 170 185	X
3256121	Chlorine and other inorganic bleaching compounds, household (sodium hypochlorite, etc., 100 percent Cl equivalent) .....	2001.. 740 407	2
		2000.. 792 805	1
		1999.. 694 141	1
		1998.. 910 279	1
		1997.. 1 002 265	X
3256124	Specialty cleaning and sanitation products .....	2001.. 4 646 083	5
		2000.. 5 241 525	4
		1999.. 4 817 273	4
		1998.. 4 553 886	2
		1997.. 5 168 885	X
3256127	Polishing preparations and related products (including automobile, floor, and metal polishes) .....	2001.. 1 603 325	11
		2000.. 1 676 634	12
		1999.. 1 166 447	5
		1998.. 1 068 191	5
		1997.. 1 068 171	X
325612W	Polishes and sanitation goods, nsk, total .....	2001.. 340 775	57
		2000.. 455 874	40
		1999.. 590 133	22
		1998.. 1 101 627	6
		1997.. 930 864	X
325613	Surfactants, finishing agents, and assistants .....	2001.. 4 959 694	4
		2000.. 5 345 527	4
		1999.. 4 706 844	5
		1998.. 4 325 800	1
		1997.. 4 969 087	X
3256130	Surfactants, finishing agents, and assistants .....	2001.. 4 959 694	4
		2000.. 5 345 527	4
		1999.. 4 706 844	5
		1998.. 4 325 800	1
		1997.. 4 969 087	X
325620	Toilet preparations .....	2001.. 24 149 241	2
		2000.. 23 497 415	2
		1999.. 23 028 632	2
		1998.. 23 056 503	1
		1997.. 22 840 050	X
3256201	Shaving preparations (including shaving soaps, creams, gels, aftershave and preshave preparations, styptics, etc.) .....	2001.. 613 682	11
		2000.. 554 310	10
		1999.. 595 399	8
		1998.. 456 195	1
		1997.. 503 711	X
3256204	Perfumes, toilet waters, and colognes (including perfume oil mixtures and blends) .....	2001.. 3 017 727	4
		2000.. 3 303 755	3
		1999.. 3 117 163	3
		1998.. 3 138 041	3
		1997.. 3 059 475	X
3256207	Hair preparations (including shampoos, permanents, dyes, sprays, rinses, dressings, etc.) .....	2001.. 5 337 154	5
		2000.. 5 010 700	4
		1999.. 5 437 035	3
		1998.. 4 781 248	4
		1997.. 5 378 887	X
325620A	Denture cleaners and other oral hygiene products .....	2001.. 907 717	7
		2000.. 917 280	4
		1999.. 666 542	3
		1998.. 677 769	6
		1997.. 730 878	X
325620D	Creams, lotions, and oils, excluding shaving, hair, deodorant, eye, manicuring, and bath .....	2001.. 4 775 562	2
		2000.. 4 342 739	3
		1999.. 4 288 651	2
		1998.. 4 039 479	3
		1997.. 4 129 547	X
325620G	Other cosmetics and toilet preparations, nec (including cosmetics, powders, manicuring preparations, personal deodorants, bath salts, and bubble bath) .....	2001.. 8 768 997	3
		2000.. 8 474 213	3
		1999.. 8 084 023	2
		1998.. 7 515 980	1
		1997.. 7 527 193	X
325620W	Toilet preparations, nsk, total .....	2001.. 728 401	53
		2000.. 894 417	46
		1999.. 839 818	42
		1998.. 2 447 791	7
		1997.. 1 510 359	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
325910	Printing ink .....	2001..	5
		2000..	5
		1999..	4
		1998..	3
		1997..	X
3259101	Letterpress printing inks .....	2001..	4
		2000..	3
		1999..	6
		1998..	7
		1997..	X
3259104	Lithographic and offset printing inks .....	2001..	7
		2000..	7
		1999..	3
		1998..	8
		1997..	X
3259107	Gravure printing inks .....	2001..	8
		2000..	8
		1999..	8
		1998..	3
		1997..	X
325910A	Flexographic printing inks .....	2001..	11
		2000..	10
		1999..	9
		1998..	6
		1997..	X
325910E	Nonimpact-digital inks .....	2001..	40
		2000..	47
		1999..	46
		1998..	1
		1997..	X
325910H	Printing inks, nec. ....	2001..	13
		2000..	11
		1999..	10
		1998..	9
		1997..	X
325910W	Printing ink, nsk, total .....	2001..	51
		2000..	56
		1999..	50
		1998..	1
		1997..	X
325920	Explosives .....	2001..	9
		2000..	10
		1999..	6
		1998..	3
		1997..	X
3259200	Explosives, propellants, and blasting accessories, except those shipped by government-owned, contractor-operated plants .....	2001..	9
		2000..	10
		1999..	6
		1998..	3
		1997..	X
325991	Custom compounding of purchased resin .....	2001..	4
		2000..	4
		1999..	4
		1998..	1
		1997..	X
3259911	Custom compounding of purchased resins and color concentrates .....	2001..	3
		2000..	2
		1999..	2
		1998..	1
		1997..	X
3259912	Resins in the form of pellets from spent or post consumer plastics .....	2001..	4
		2000..	4
		1999..	3
		1998..	3
		1997..	X
325991W	Custom compounding of purchased resin, nsk, total .....	2001..	71
		2000..	72
		1999..	52
		1998..	6
		1997..	X
325992	Photographic film, paper, plate and chemical products .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3259921	Photographic sensitized film, plates, paper, and cloth, silver halide type (except x-ray) .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3259923	Sensitized photographic film, plates, paper, and cloth, other than silver halide type (including x-ray) ...	2001..	2
		2000..	2
		1999..	2
		1998..	1
		1997..	X
3259925	Prepared photographic chemicals .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
325992	Photographic film, paper, plate and chemical products—Con.			
325992W	Photographic film, paper, plate, and chemical manufacturing, nsk, total .....	2001..	170 884	10
		2000..	169 275	9
		1999..	228 502	6
		1998..	212 132	1
		1997..	116 085	X
325998	All other miscellaneous chemical products .....	2001..	11 908 687	6
		2000..	12 310 097	6
		1999..	11 820 862	5
		1998..	12 062 220	1
		1997..	11 803 709	X
3259981	Evaporated salt (bulk, pressed blocks, and packaged), except table salt .....	2001..	417 156	43
		2000..	407 506	41
		1999..	604 527	7
		1998..	517 256	1
		1997..	433 269	X
3259984	Matches .....	2001..	42 097	30
		2000..	40 089	32
		1999..	49 427	24
		1998..	63 341	1
		1997..	62 665	X
3259987	Gelatin, except ready-to-eat desserts (including food grade, pharmaceutical, photographic, unfilled capsules, etc.) .....	2001..	519 703	6
		2000..	495 464	1
		1999..	518 529	1
		1998..	457 669	1
		1997..	445 300	X
325998A	Water treating compounds .....	2001..	2 561 099	6
		2000..	2 200 806	6
		1999..	1 941 205	5
		1998..	2 051 911	4
		1997..	2 087 398	X
325998E	Automotive chemicals .....	2001..	878 376	13
		2000..	965 916	12
		1999..	890 304	9
		1998..	787 000	4
		1997..	683 669	X
325998H	Chemical preparations, nec, including essential oils .....	2001..	6 728 922	8
		2000..	7 450 052	8
		1999..	6 882 484	7
		1998..	6 388 611	2
		1997..	6 498 819	X
325998W	Miscellaneous chemical products, nec, nsk, total .....	2001..	761 334	50
		2000..	760 264	50
		1999..	934 385	41
		1998..	1 796 433	3
		1997..	1 592 589	X
326111	Plastics bags .....	2001..	8 105 287	2
		2000..	8 037 959	2
		1999..	7 767 091	2
		1998..	7 487 323	2
		1997..	6 950 803	X
3261111	Single-web film specialty bags, pouches, and liners .....	2001..	6 983 858	2
		2000..	6 956 813	2
		1999..	6 662 331	2
		1998..	6 355 535	2
		1997..	6 019 915	X
3261113	Multiweb film-film specialty bags, pouches, and liners .....	2001..	754 870	8
		2000..	728 753	5
		1999..	699 522	4
		1998..	670 187	8
		1997..	427 192	X
326111W	Plastics bags, nsk, total .....	2001..	366 559	14
		2000..	352 393	14
		1999..	405 238	13
		1998..	461 602	5
		1997..	503 696	X
326112	Unsupported plastics film and sheet for packaging .....	2001..	4 500 063	3
		2000..	4 633 956	3
		1999..	4 284 522	3
		1998..	3 835 057	2
		1997..	3 458 576	X
3261121	Coated single-web film, rolls and sheets (including coextruded), for flexible packaging use .....	2001..	2 484 302	5
		2000..	2 648 530	4
		1999..	2 349 732	4
		1998..	1 886 919	1
		1997..	1 844 318	X
3261123	Film-film multiweb laminated rolls and sheets, for flexible packaging uses .....	2001..	1 892 683	4
		2000..	1 868 018	4
		1999..	1 783 665	4
		1998..	1 685 776	3
		1997..	1 400 302	X
326112W	Unsupported plastics film and sheet for packaging, nsk, total .....	2001..	123 078	25
		2000..	117 408	26
		1999..	151 125	22
		1998..	262 362	8
		1997..	213 956	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
326113	Unsupported plastics film and sheet (except packaging) .....	2001..	2
		2000..	3
		1999..	3
		1998..	1
		1997..	X
3261130	Unsupported plastics film and sheet for uses other than packaging .....	2001..	2
		2000..	3
		1999..	3
		1998..	1
		1997..	X
326121	Unsupported plastics profile shapes .....	2001..	4
		2000..	3
		1999..	3
		1998..	2
		1997..	X
3261210	Unsupported plastics rods, tubes, profiles, and other shapes .....	2001..	4
		2000..	3
		1999..	3
		1998..	2
		1997..	X
326122	Plastics pipe and pipe fittings .....	2001..	3
		2000..	2
		1999..	2
		1998..	4
		1997..	X
3261221	Plastics pipe .....	2001..	3
		2000..	2
		1999..	2
		1998..	3
		1997..	X
3261223	Plastics pipe fittings and unions .....	2001..	5
		2000..	5
		1999..	5
		1998..	3
		1997..	X
326122W	Plastics pipe and pipe fittings, nsk, total .....	2001..	26
		2000..	30
		1999..	28
		1998..	32
		1997..	X
326130	Laminated plastics plate, sheet and shapes .....	2001..	5
		2000..	4
		1999..	4
		1998..	2
		1997..	X
3261300	Plastics laminates (excluding flexible packaging) .....	2001..	5
		2000..	4
		1999..	4
		1998..	2
		1997..	X
326140	Polystyrene foam products .....	2001..	6
		2000..	7
		1999..	2
		1998..	1
		1997..	X
3261401	Transportation polystyrene foam products (including seating, dash, and other interior-exterior components) .....	2001..	22
		2000..	24
		1999..	23
		1998..	9
		1997..	X
3261402	Packaging polystyrene foam products .....	2001..	5
		2000..	6
		1999..	3
		1998..	5
		1997..	X
3261403	Building and construction polystyrene foam products .....	2001..	29
		2000..	28
		1999..	6
		1998..	1
		1997..	X
3261404	Furniture and furnishings polystyrene foam products .....	2001..	16
		2000..	18
		1999..	47
		1998..	3
		1997..	X
3261405	Consumer and institutional polystyrene foam products .....	2001..	4
		2000..	4
		1999..	3
		1998..	1
		1997..	X
3261406	Miscellaneous polystyrene foam products, nec .....	2001..	50
		2000..	62
		1999..	16
		1998..	4
		1997..	X
326140W	Polystyrene foam products, nsk, total .....	2001..	37
		2000..	34
		1999..	12
		1998..	5
		1997..	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
326150	Urethane and foam products other than polystyrene .....	2001..	6 539 787	6
		2000..	7 173 720	5
		1999..	7 324 457	6
		1998..	6 340 233	2
		1997..	6 266 415	X
3261501	Transportation polyurethane foam products .....	2001..	1 707 480	20
		2000..	1 799 166	19
		1999..	1 712 020	22
		1998..	1 365 341	1
		1997..	1 274 418	X
3261502	Packaging polyurethane foam products .....	2001..	351 849	15
		2000..	392 961	13
		1999..	369 355	11
		1998..	345 963	6
		1997..	356 025	X
3261503	Building and construction polyurethane foam products .....	2001..	410 305	8
		2000..	473 914	7
		1999..	507 690	6
		1998..	453 940	3
		1997..	481 221	X
3261504	Furniture and furnishings polyurethane foam products .....	2001..	2 480 107	5
		2000..	2 680 776	5
		1999..	2 785 183	4
		1998..	2 433 263	1
		1997..	2 257 718	X
3261505	Consumer and institutional polyurethane foam products .....	2001..	224 713	20
		2000..	217 756	17
		1999..	240 200	9
		1998..	231 696	8
		1997..	198 085	X
3261506	Miscellaneous polyurethane foam products, nec .....	2001..	353 167	13
		2000..	397 924	12
		1999..	388 165	13
		1998..	334 923	4
		1997..	358 130	X
3261509	Products made of foam other than polystyrene or polyurethane including phenolics, vinyl and cellulose acetate, etc. ....	2001..	776 755	9
		2000..	904 420	6
		1999..	962 790	5
		1998..	849 696	11
		1997..	955 303	X
326150W	Polyurethane and other foam products, nsk, total .....	2001..	235 410	44
		2000..	306 803	24
		1999..	359 053	21
		1998..	325 410	3
		1997..	385 515	X
326160	Plastics bottles .....	2001..	8 217 167	2
		2000..	8 447 293	6
		1999..	7 182 773	2
		1998..	7 003 504	2
		1997..	6 451 880	X
3261600	Plastics bottles .....	2001..	8 217 167	2
		2000..	8 447 293	6
		1999..	7 182 773	2
		1998..	7 003 504	2
		1997..	6 451 880	X
326191	Plastics plumbing fixtures .....	2001..	2 792 419	5
		2000..	3 066 448	4
		1999..	2 901 926	5
		1998..	2 338 336	6
		1997..	2 249 286	X
3261910	Plastics plumbing fixtures .....	2001..	2 792 419	5
		2000..	3 066 448	4
		1999..	2 901 926	5
		1998..	2 338 336	6
		1997..	2 249 286	X
326192	Resilient floor coverings .....	2001..	1 465 270	3
		2000..	1 540 050	2
		1999..	1 615 588	2
		1998..	1 650 586	1
		1997..	1 647 203	X
3261920	Resilient floor coverings .....	2001..	1 465 270	3
		2000..	1 540 050	2
		1999..	1 615 588	2
		1998..	1 650 586	1
		1997..	1 647 203	X
326199	All other plastics products .....	2001..	70 273 497	2
		2000..	72 278 762	2
		1999..	69 967 703	1
		1998..	64 910 567	1
		1997..	61 936 258	X
3261991	Transportation fabricated plastics products (except foam and reinforced plastics) .....	2001..	15 408 837	3
		2000..	16 239 893	3
		1999..	14 792 808	2
		1998..	14 479 794	3
		1997..	12 906 473	X
3261992	Electrical and electronic fabricated plastics products (except foam and reinforced plastics) .....	2001..	4 655 953	7
		2000..	5 162 407	6
		1999..	4 988 221	5
		1998..	4 949 308	4
		1997..	5 285 347	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
326199	All other plastics products—Con.		
3261993	Industrial machinery plastics products, except foam (including gears, bearings, bushings, cams, and other components) .....	2001.. 1 453 894	7
		2000.. 1 577 212	6
		1999.. 1 547 036	6
		1998.. 1 263 060	6
		1997.. 1 275 735	X
3261994	Plastics packaging (except film and sheet, foam, and bottles) .....	2001.. 9 378 053	5
		2000.. 9 102 256	3
		1999.. 8 861 110	2
		1998.. 8 315 968	1
		1997.. 8 369 157	X
3261995	Plastics dinnerware, tableware, kitchenware, and oven-microwave ware (except foam and cups) .....	2001.. 2 226 162	13
		2000.. 2 319 520	21
		1999.. 2 017 698	9
		1998.. 1 755 075	2
		1997.. 1 676 248	X
3261996	Consumer, institutional, and commercial fabricated plastics products (except foam and wire coated), nec@ .....	2001.. 15 414 448	3
		2000.. 15 904 232	2
		1999.. 15 105 606	2
		1998.. 13 533 995	1
		1997.. 13 135 914	X
3261997	Plastics furniture components and furnishings (except foam and reinforced plastics) .....	2001.. 677 535	11
		2000.. 780 904	10
		1999.. 731 963	9
		1998.. 737 119	4
		1997.. 733 735	X
3261998	Building and construction fabricated plastics products (except foam, plumbing fixtures, hardware, or reinforced plastics) .....	2001.. 8 748 147	3
		2000.. 8 972 070	3
		1999.. 8 513 707	2
		1998.. 7 346 558	2
		1997.. 6 995 294	X
3261999	Plastics shoe products, including taps, soling slabs, and quarterlinings .....	2001.. 150 378	17
		2000.. 166 711	16
		1999.. 233 985	14
		1998.. 204 574	4
		1997.. 189 826	X
326199A	Reinforced and fiberglass plastics products, nec .....	2001.. 5 416 748	8
		2000.. 5 235 046	3
		1999.. 5 295 279	3
		1998.. 5 253 315	3
		1997.. 4 960 629	X
326199W	All other plastics products, nsk, total .....	2001.. 6 743 342	12
		2000.. 6 818 510	13
		1999.. 7 880 290	5
		1998.. 7 071 801	2
		1997.. 6 407 900	X
326211	Tires and tire retreading .....	2001.. 13 190 883	3
		2000.. 14 295 314	3
		1999.. 13 800 089	1
		1998.. 13 955 887	1
		1997.. 14 326 101	X
3262111	Passenger car pneumatic tires (casings) .....	2001.. 6 731 683	6
		2000.. 6 580 725	6
		1999.. 6 245 049	2
		1998.. 6 234 389	1
		1997.. 6 677 438	X
3262113	Truck and bus (including off-highway) pneumatic tires .....	2001.. 4 447 359	1
		2000.. 5 323 178	1
		1999.. 5 251 032	1
		1998.. 5 319 622	1
		1997.. 5 157 561	X
3262117	Tractor and implement (farm and industrial) pneumatic tires .....	2001.. 493 488	1
		2000.. 624 863	1
		1999.. 591 767	1
		1998.. 739 132	1
		1997.. 807 777	X
3262119	Industrial and utility pneumatic tires (including garden) .....	2001.. 170 351	1
		2000.. 215 816	1
		1999.. 215 464	1
		1998.. 220 546	5
		1997.. 190 015	X
326211B	Other pneumatic tires and casings (including motorbike, motorcycle, moped, bicycle, aircraft, and mobile home) .....	2001.. 184 822	8
		2000.. 232 569	5
		1999.. 218 303	3
		1998.. 204 821	1
		1997.. 200 260	X
326211D	Solid and semipneumatic tires .....	2001.. 167 430	10
		2000.. 200 999	7
		1999.. 196 374	7
		1998.. 188 112	9
		1997.. 169 779	X
326211F	Inner tubes .....	2001.. 78 222	22
		2000.. 106 714	10
		1999.. 128 975	4
		1998.. 134 845	1
		1997.. 144 418	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
326211	Tires and tire retreading—Con.		
326211H	Tread rubber, tire sundries, and repair materials .....	2001.. 860 903	10
		2000.. 946 739	9
		1999.. 889 634	7
		1998.. 814 877	3
		1997.. 870 252	X
326211W	Tires, nsk, total .....	2001.. 56 625	6
		2000.. 63 712	5
		1999.. 63 491	6
		1998.. 99 543	13
		1997.. 108 601	X
326212	Tire retreading .....	2001.. 852 398	5
		2000.. 822 381	4
		1999.. 820 416	4
		1998.. 830 718	4
		1997.. 785 747	X
3262120	Tire rebuilding and retreading .....	2001.. 852 398	5
		2000.. 822 381	4
		1999.. 820 416	4
		1998.. 830 718	4
		1997.. 785 747	X
326220	Rubber and plastics hoses and belting .....	2001.. 3 697 444	3
		2000.. 4 007 903	3
		1999.. 4 164 545	3
		1998.. 4 022 282	1
		1997.. 3 893 536	X
3262201	Flat rubber and plastics belts and belting .....	2001.. 689 451	7
		2000.. 611 649	9
		1999.. 589 307	10
		1998.. 667 950	5
		1997.. 611 106	X
3262202	Rubber and plastics transmission belts and belting other than flat .....	2001.. 665 938	1
		2000.. 680 214	2
		1999.. 851 586	1
		1998.. 903 802	1
		1997.. 813 666	X
3262203	Hose for on- and off-highway motor vehicles (made of rubber and other materials, including plastics and nylon) .....	2001.. 948 044	4
		2000.. 1 180 402	4
		1999.. 1 224 328	3
		1998.. 933 799	1
		1997.. 948 356	X
3262204	Industrial rubber and plastics hose without fittings (chemical handling, food and beverage, petroleum curb pump, dock, transfer, etc.) .....	2001.. 505 181	10
		2000.. 546 045	10
		1999.. 495 907	11
		1998.. 477 091	2
		1997.. 453 363	X
3262205	Rubber and plastics water hose (including fire, irrigation, water suction-discharge, and other water hose), nec .....	2001.. 108 723	9
		2000.. 111 699	5
		1999.. 104 133	8
		1998.. 117 153	15
		1997.. 136 684	X
3262206	Rubber and plastics garden hose with or without fittings .....	2001.. 339 864	14
		2000.. 386 817	11
		1999.. 385 186	13
		1998.. 273 414	8
		1997.. 229 985	X
3262207	Rubber and plastics inner tube type airhose other than pneumatic power transfer .....	2001.. 63 987	19
		2000.. 95 213	13
		1999.. 101 076	12
		1998.. 109 355	1
		1997.. 108 426	X
3262208	Pneumatic and hydraulic inner tube type hose without fittings (made of rubber and other materials, including plastics and nylon), nec .....	2001.. 305 812	4
		2000.. 320 697	6
		1999.. 310 759	2
		1998.. 412 774	9
		1997.. 496 526	X
326220W	Rubber and plastics hoses and belting, nsk .....	2001.. 70 444	17
		2000.. 75 167	16
		1999.. 102 264	27
		1998.. 126 944	1
		1997.. 95 424	X
326291	Rubber products for mechanical use .....	2001.. 6 297 851	2
		2000.. 7 041 251	2
		1999.. 7 218 288	2
		1998.. 6 619 477	2
		1997.. 6 247 657	X
3262911	Molded rubber mechanical goods, automotive .....	2001.. 2 602 923	4
		2000.. 2 856 971	4
		1999.. 2 887 624	4
		1998.. 2 507 761	1
		1997.. 2 288 382	X
3262912	Molded rubber mechanical goods, transportation (except automotive) and off-highway machinery and equipment .....	2001.. 439 191	11
		2000.. 513 498	8
		1999.. 551 761	7
		1998.. 654 551	14
		1997.. 547 974	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
326291	Rubber products for mechanical use—Con.		
3262913	Molded rubber mechanical goods, nec .....	2001.. 1 228 950	5
		2000.. 1 296 851	4
		1999.. 1 224 013	4
		1998.. 1 156 082	9
		1997.. 1 240 962	X
3262914	Extruded rubber mechanical goods, automotive (except tubing) .....	2001.. 1 093 218	3
		2000.. 1 358 155	2
		1999.. 1 500 917	2
		1998.. 1 347 691	2
		1997.. 1 225 339	X
3262915	Extruded rubber mechanical goods (except automotive) .....	2001.. 530 346	9
		2000.. 602 935	7
		1999.. 617 638	6
		1998.. 510 161	11
		1997.. 528 983	X
3262916	Lathe-cut rubber mechanical goods, automotive and transportation (including on- and off-road, and gasoline and diesel equipment) .....	2001.. 110 318	7
		2000.. 120 637	9
		1999.. 122 974	9
		1998.. 106 604	1
		1997.. 104 622	X
3262917	Lathe-cut rubber mechanical goods (except automotive and transportation) .....	2001.. 72 929	15
		2000.. 75 557	12
		1999.. 89 134	9
		1998.. 85 559	1
		1997.. 87 325	X
326291W	Rubber products for mechanical use, nsk, total .....	2001.. 219 976	22
		2000.. 216 647	22
		1999.. 224 227	21
		1998.. 251 069	12
		1997.. 224 070	X
326299	All other rubber products .....	2001.. 7 422 399	5
		2000.. 8 039 061	3
		1999.. 7 861 009	3
		1998.. 7 985 919	2
		1997.. 7 788 382	X
3262991	Rubber sponge, expanded and foam rubber products .....	2001.. 1 106 614	6
		2000.. 1 238 685	6
		1999.. 1 228 246	4
		1998.. 1 126 338	3
		1997.. 1 183 712	X
3262993	Rubber floor and wall coverings .....	2001.. 836 310	31
		2000.. 834 017	18
		1999.. 709 402	10
		1998.. 769 866	2
		1997.. 717 181	X
3262994	Rubber shoe products, elastomer resin .....	2001.. 79 841	45
		2000.. 84 783	40
		1999.. 67 081	36
		1998.. 144 958	1
		1997.. 131 345	X
3262995	Rubber druggist and medical sundries (including household gloves)® .....	2001.. 604 091	8
		2000.. 645 506	9
		1999.. 841 182	6
		1998.. 834 706	1
		1997.. 905 133	X
3262996	Rubber compounds or mixtures for sale or interplant transfer .....	2001.. 1 729 458	5
		2000.. 1 920 653	4
		1999.. 1 672 530	4
		1998.. 1 545 745	1
		1997.. 1 549 610	X
3262997	Industrial rubber products, nec .....	2001.. 1 846 185	5
		2000.. 1 980 940	5
		1999.. 1 900 243	4
		1998.. 1 860 930	5
		1997.. 1 753 580	X
3262998	Rubber gloves and clothing .....	2001.. 113 152	1
		2000.. 122 296	1
		1999.. 128 522	1
		1998.. 152 343	7
		1997.. 171 433	X
3262999	Rubber goods, nec .....	2001.. 868 092	13
		2000.. 927 542	11
		1999.. 880 274	9
		1998.. 935 245	9
		1997.. 908 065	X
326299W	All other rubber products, nsk, total .....	2001.. 238 657	56
		2000.. 284 658	47
		1999.. 433 529	29
		1998.. 615 788	4
		1997.. 468 323	X
327111	Vitreous plumbing fixtures .....	2001.. 990 540	6
		2000.. 1 087 212	5
		1999.. 1 061 966	5
		1998.. 1 103 069	1
		1997.. 984 343	X
3271110	Vitreous plumbing fixtures, accessories, and fittings, including earthenware .....	2001.. 990 540	6
		2000.. 1 087 212	5
		1999.. 1 061 966	5
		1998.. 1 103 069	1
		1997.. 984 343	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
327112	Vitreous china, fine earthenware and other pottery products .....	2001..	5
		2000..	5
		1999..	4
		1998..	2
		1997..	X
3271121	Vitreous china, porcelain, and earthenware (semivitreous) table and kitchenware (including bone and feldspar) .....	2001..	12
		2000..	11
		1999..	4
		1998..	1
		1997..	X
3271124	Pottery products, nec (including china decorating for the trade) .....	2001..	6
		2000..	5
		1999..	6
		1998..	3
		1997..	X
327112W	Vitreous china, fine earthenware, and other pottery products, nsk, total .....	2001..	10
		2000..	16
		1999..	14
		1998..	1
		1997..	X
327113	Porcelain electrical supplies .....	2001..	4
		2000..	4
		1999..	3
		1998..	3
		1997..	X
3271130	Porcelain, steatite, and other ceramic electrical products .....	2001..	4
		2000..	4
		1999..	3
		1998..	3
		1997..	X
327121	Brick and structural clay tile .....	2001..	3
		2000..	3
		1999..	3
		1998..	3
		1997..	X
3271210	Brick and structural clay tile (including building or common, paving, floor, sewer, glazed brick, and structural hollow tile)@ .....	2001..	3
		2000..	3
		1999..	3
		1998..	3
		1997..	X
327122	Ceramic wall and floor tile .....	2001..	8
		2000..	7
		1999..	7
		1998..	2
		1997..	X
3271220	Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile)@ .....	2001..	8
		2000..	7
		1999..	7
		1998..	2
		1997..	X
327123	Other structural clay products, nec .....	2001..	5
		2000..	5
		1999..	6
		1998..	1
		1997..	X
3271231	Vitrified clay sewer pipe and fittings@ .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3271234	Other structural clay products, nec (architectural terra cotta, drain tile, flue tile, roofing tile, conduit, etc.), except clay refractories .....	2001..	6
		2000..	7
		1999..	8
		1998..	2
		1997..	X
327123W	Other structural clay products, nec, nsk, total .....	2001..	A
		2000..	87
		1999..	A
		1998..	1
		1997..	X
327124	Clay refractories .....	2001..	9
		2000..	7
		1999..	5
		1998..	1
		1997..	X
3271240	Clay refractories@ .....	2001..	9
		2000..	7
		1999..	5
		1998..	1
		1997..	X
327125	Nonclay refractories .....	2001..	9
		2000..	7
		1999..	6
		1998..	1
		1997..	X
3271250	Nonclay refractories (except dead-burned magnesia)@ .....	2001..	9
		2000..	7
		1999..	6
		1998..	1
		1997..	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
327211	Flat glass .....	2001..	2 585 025	1
		2000..	2 868 523	1
		1999..	2 693 785	1
		1998..	2 607 026	1
		1997..	2 669 034	X
3272111	Flat glass (float, sheet, and plate), made by flat glass producers@ .....	2001..	1 835 570	1
		2000..	1 960 457	1
		1999..	1 876 268	1
		1998..	1 834 866	1
		1997..	1 888 468	X
3272113	Laminated glass, made by flat glass producers\$ .....	2001..	D	X
		2000..	D	X
		1999..	D	X
		1998..	D	X
		1997..	D	X
3272115	Other glass products, nec, made by flat glass producers .....	2001..	D	X
		2000..	D	X
		1999..	D	X
		1998..	D	X
		1997..	D	X
327211W	Flat glass, nsk, total .....	2001..	258	1
		2000..	292	1
		1999..	400	1
		1998..	5	X
		1997..	13	X
327212	Other pressed and blown glass and glassware .....	2001..	5 061 939	1
		2000..	5 470 903	1
		1999..	5 476 748	1
		1998..	5 937 106	3
		1997..	5 920 910	X
3272121	Glass fiber, textile-type, made by establishments producing glass .....	2001..	1 504 298	1
		2000..	1 685 799	1
		1999..	1 915 811	1
		1998..	1 970 378	1
		1997..	1 939 530	X
3272123	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made by establishments producing glass@ \$ .....	2001..	859 301	1
		2000..	910 217	1
		1999..	949 147	1
		1998..	972 884	1
		1997..	989 377	X
3272125	Machine-made pressed and blown lighting, automotive, and electronic glassware, made by establishments producing glass@ \$ .....	2001..	1 556 947	1
		2000..	1 612 637	1
		1999..	1 516 555	1
		1998..	1 586 232	1
		1997..	1 697 238	X
3272127	All other machine-made pressed and blown glassware, made by establishments producing glass@ \$ .....	2001..	851 492	3
		2000..	950 948	1
		1999..	790 332	2
		1998..	1 052 704	17
		1997..	960 153	X
3272129	Handmade pressed and blown glassware, made by establishments producing glass@ \$ .....	2001..	131 427	20
		2000..	144 179	19
		1999..	142 105	22
		1998..	171 696	1
		1997..	173 923	X
327212W	Other pressed and blown glass and glassware, nsk, total .....	2001..	158 475	4
		2000..	167 122	4
		1999..	162 798	4
		1998..	183 213	1
		1997..	160 689	X
327213	Glass containers .....	2001..	4 209 168	1
		2000..	4 106 454	1
		1999..	4 190 042	1
		1998..	4 189 184	1
		1997..	4 176 306	X
3272130	Glass containers (including value of packaging)@ .....	2001..	4 209 168	1
		2000..	4 106 454	1
		1999..	4 190 042	1
		1998..	4 189 184	1
		1997..	4 176 306	X
327215	Glass products made of purchased glass .....	2001..	11 216 783	2
		2000..	11 737 414	2
		1999..	10 698 353	1
		1998..	9 777 679	1
		1997..	9 699 106	X
3272151	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made in establishments not producing glass@ \$ .....	2001..	647 696	7
		2000..	734 283	3
		1999..	698 896	1
		1998..	704 800	1
		1997..	539 238	X
3272153	All other machine-made pressed and blown glassware, made in establishments not producing glass@ \$ .....	2001..	881 122	3
		2000..	949 749	3
		1999..	887 558	2
		1998..	838 550	3
		1997..	911 786	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
327215	Glass products made of purchased glass—Con.		
3272155	Handmade pressed and blown glassware, made in establishments not producing glass@ \$ . . . . .	2001.. 206 967	32
		2000.. 200 709	31
		1999.. 191 884	31
		1998.. 137 161	2
		1997.. 141 138	X
3272157	Laminated glass, made in establishments not producing glass\$ . . . . .	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
3272159	Mirrors (decorated or undecorated), made in establishments not producing glass . . . . .	2001.. 1 254 793	8
		2000.. 1 230 830	6
		1999.. 1 201 003	5
		1998.. 1 078 206	3
		1997.. 1 040 404	X
327215A	Other glass products, nec, made in establishments not producing glass@ . . . . .	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
327215W	Glass products, made of purchased glass, nsk, total . . . . .	2001.. 651 147	12
		2000.. 659 617	15
		1999.. 639 193	10
		1998.. 637 128	11
		1997.. 604 663	X
327310	Cement, hydraulic . . . . .	2001.. 7 275 334	1
		2000.. 6 915 644	1
		1999.. 6 764 912	1
		1998.. 6 751 003	1
		1997.. 6 350 894	X
3273100	Cement, hydraulic (including cost of shipping containers) . . . . .	2001.. 7 275 334	1
		2000.. 6 915 644	1
		1999.. 6 764 912	1
		1998.. 6 751 003	1
		1997.. 6 350 894	X
327320	Ready-mixed concrete . . . . .	2001.. 20 361 753	2
		2000.. 19 663 705	2
		1999.. 19 062 840	2
		1998.. 18 122 088	1
		1997.. 15 856 636	X
3273200	Ready-mixed concrete . . . . .	2001.. 20 361 753	2
		2000.. 19 663 705	2
		1999.. 19 062 840	2
		1998.. 18 122 088	1
		1997.. 15 856 636	X
327331	Concrete block and brick . . . . .	2001.. 3 301 827	5
		2000.. 3 296 270	6
		1999.. 3 289 238	6
		1998.. 2 717 440	5
		1997.. 2 390 150	X
3273310	Concrete block and brick . . . . .	2001.. 3 301 827	5
		2000.. 3 296 270	6
		1999.. 3 289 238	6
		1998.. 2 717 440	5
		1997.. 2 390 150	X
327332	Concrete pipe . . . . .	2001.. 2 106 312	5
		2000.. 2 118 833	4
		1999.. 2 081 796	4
		1998.. 2 070 036	10
		1997.. 1 783 463	X
3273320	Concrete pipe . . . . .	2001.. 2 106 312	5
		2000.. 2 118 833	4
		1999.. 2 081 796	4
		1998.. 2 070 036	10
		1997.. 1 783 463	X
327390	Concrete products, except block, brick, and pipe . . . . .	2001.. 8 023 585	4
		2000.. 7 703 695	3
		1999.. 7 050 380	2
		1998.. 6 626 197	2
		1997.. 5 693 565	X
3273901	Precast concrete products . . . . .	2001.. 5 362 488	5
		2000.. 5 044 382	4
		1999.. 4 454 081	3
		1998.. 4 124 333	3
		1997.. 3 200 726	X
3273904	Prestressed concrete products . . . . .	2001.. 2 106 953	5
		2000.. 2 136 029	4
		1999.. 2 020 910	4
		1998.. 1 846 208	3
		1997.. 1 342 329	X
327390W	Concrete products, nec, nsk, total . . . . .	2001.. 554 145	17
		2000.. 523 284	18
		1999.. 575 390	14
		1998.. 655 656	10
		1997.. 1 150 510	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
327410	Lime.....	2001..	1 046 476	4
		2000..	1 095 960	3
		1999..	1 204 903	3
		1998..	1 178 808	3
		1997..	1 083 038	X
3274100	Lime@ .....	2001..	1 046 476	4
		2000..	1 095 960	3
		1999..	1 204 903	3
		1998..	1 178 808	3
		1997..	1 083 038	X
327420	Gypsum and gypsum products .....	2001..	3 627 713	4
		2000..	4 545 278	3
		1999..	5 301 022	2
		1998..	5 101 491	6
		1997..	4 025 075	X
3274201	Gypsum building materials, building plasters, etc. ....	2001..	2 958 803	4
		2000..	3 745 147	3
		1999..	4 506 216	2
		1998..	4 175 037	4
		1997..	3 475 824	X
3274204	Other gypsum products (including industrial plasters) .....	2001..	479 115	9
		2000..	613 730	10
		1999..	611 929	11
		1998..	817 978	32
		1997..	474 847	X
327420W	Gypsum products, nsk, total .....	2001..	189 795	1
		2000..	186 402	1
		1999..	182 876	1
		1998..	108 476	1
		1997..	74 404	X
327910	Abrasive products .....	2001..	3 202 174	3
		2000..	3 780 613	3
		1999..	3 835 057	3
		1998..	4 037 664	3
		1997..	4 107 840	X
3279101	Nonmetallic sized grains, powders, and flour abrasives (including graded products only).....	2001..	456 237	16
		2000..	521 905	16
		1999..	452 109	18
		1998..	561 769	1
		1997..	549 166	X
3279104	Nonmetallic abrasive products (including diamond abrasives) .....	2001..	1 012 607	4
		2000..	1 220 289	3
		1999..	1 130 429	3
		1998..	1 180 820	7
		1997..	1 176 259	X
3279107	Nonmetallic coated abrasive products and buffing wheels, polishing wheels, and laps .....	2001..	1 578 875	2
		2000..	1 842 897	2
		1999..	2 051 726	2
		1998..	2 049 331	1
		1997..	2 026 254	X
327910A	Metal abrasives .....	2001..	119 689	1
		2000..	126 739	2
		1999..	117 423	1
		1998..	124 686	19
		1997..	136 642	X
327910W	Abrasive products, nsk, total .....	2001..	34 765	A
		2000..	68 782	93
		1999..	83 371	77
		1998..	121 058	73
		1997..	219 519	X
327991	Cut stone and stone products .....	2001..	1 644 194	5
		2000..	1 557 411	5
		1999..	1 413 169	11
		1998..	1 249 203	4
		1997..	1 191 627	X
3279911	Dressed dimension granite (including gneiss, syenite, diorite, and cut granite).....	2001..	558 798	7
		2000..	564 438	7
		1999..	664 401	23
		1998..	544 188	4
		1997..	539 053	X
3279914	Dressed dimension limestone (including dolomite, travertine, calcareous, tufa, and cut limestone) ....	2001..	235 659	10
		2000..	221 169	10
		1999..	204 827	9
		1998..	212 160	17
		1997..	174 012	X
3279917	Dressed dimension marble and other stone.....	2001..	330 483	14
		2000..	326 497	11
		1999..	301 888	10
		1998..	222 895	7
		1997..	236 032	X
327991W	Cut stone and stone products, nsk, total .....	2001..	519 254	9
		2000..	445 308	10
		1999..	242 052	16
		1998..	269 960	5
		1997..	242 530	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
327992	Minerals, ground or treated .....	2001..	5
		2000..	4
		1999..	3
		1998..	7
		1997..	X
3279920	Minerals and earths, ground or otherwise treated@ .....	2001..	5
		2000..	4
		1999..	3
		1998..	7
		1997..	X
327993	Mineral wool .....	2001..	3
		2000..	2
		1999..	1
		1998..	4
		1997..	X
3279931	Mineral wool for thermal and acoustical envelope insulation (for insulating homes and commercial and industrial buildings) .....	2001..	3
		2000..	2
		1999..	1
		1998..	5
		1997..	X
3279934	Mineral wool for industrial, equipment, and appliance insulation .....	2001..	8
		2000..	6
		1999..	4
		1998..	2
		1997..	X
327993W	Mineral wool, nsk, total .....	2001..	1
		2000..	1
		1999..	1
		1998..	11
		1997..	X
327999	All Other Miscellaneous Nonmetallic Mineral Products .....	2001..	8
		2000..	6
		1999..	5
		1998..	4
		1997..	X
3279990	Nonmetallic mineral products, nec .....	2001..	8
		2000..	6
		1999..	5
		1998..	4
		1997..	X
331111	Iron and steel mill products .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3311111	Coke oven and blast furnace products, made in steel mills\$ .....	2001..	15
		2000..	12
		1999..	7
		1998..	1
		1997..	X
3311112	Iron and steel powders, paste, and flakes .....	2001..	9
		2000..	8
		1999..	7
		1998..	2
		1997..	X
3311113	Steel ingots and semifinished shapes and forms@ .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3311115	Hot rolled steel sheet and strip, including tin mill products, tinplate, blackplate, terneplate, and tin-free steel@ .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3311117	Hot rolled steel bars and bar shapes, plates, structural shapes, and piling, including concrete reinforcing and tool steel bars@ .....	2001..	3
		2000..	2
		1999..	1
		1998..	2
		1997..	X
3311119	Steel wire, including galvanized and other coated wire, made in steel mills producing wire rods or hot rolled bars@ \$ .....	2001..	11
		2000..	9
		1999..	1
		1998..	1
		1997..	X
331111B	Steel pipes and tubes, made in steel mills producing semifinished shapes or plate@ \$ .....	2001..	4
		2000..	4
		1999..	5
		1998..	1
		1997..	X
331111D	Cold rolled steel sheet and strip, made in steel mills producing hot rolled sheet or strip@ \$ .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
331111	Iron and steel mill products—Con.		
331111F	Cold finished steel bars and bar shapes, made in steel mills producing hot rolled bars and bar shapes@ \$.....	2001.. 877 334 2000.. 1 022 916 1999.. 893 587 1998.. 949 442 1997.. 935 511	2 1 2 2 X
331111H	Seamless rolled ring forgings, ferrous, made in steel mills\$ .....	2001.. D 2000.. D 1999.. D 1998.. D 1997.. D	X X X X X
331111J	Open die or smith forgings (hammer or press), ferrous, made in steel mills\$ .....	2001.. D 2000.. D 1999.. D 1998.. D 1997.. D	X X X X X
331111L	Other steel mill products, including steel rails, except wire products@ .....	2001.. 393 153 2000.. 496 377 1999.. 442 163 1998.. 648 663 1997.. 585 921	3 3 3 1 X
331111W	Iron and steel mill products, nsk, total .....	2001.. 414 283 2000.. 517 480 1999.. 286 565 1998.. 62 030 1997.. 42 277	5 5 7 6 X
331112	Electrometallurgical ferroalloy products .....	2001.. 696 343 2000.. 803 112 1999.. 863 041 1998.. 1 181 041 1997.. 1 130 049	6 3 4 1 X
3311121	Ferrochromium, including briquets, ferrochromium silicon, exothermic chromium additives, and other chromium alloys .....	2001.. D 2000.. D 1999.. D 1998.. D 1997.. D	X X X X X
3311123	Ferrosilicon, including briquets, and other silicon alloys.....	2001.. 138 332 2000.. 168 831 1999.. 171 134 1998.. 367 910 1997.. 357 627	1 1 1 1 X
3311125	Other ferroalloys .....	2001.. D 2000.. D 1999.. D 1998.. D 1997.. D	X X X X X
331112W	Electrometallurgical ferroalloy products, nsk, total .....	2001.. 9 087 2000.. 646 1999.. 811 1998.. 1 597 1997.. -	1 A 1 1 X
331210	Iron and steel pipes and tubes .....	2001.. 6 624 446 2000.. 7 524 715 1999.. 7 086 792 1998.. 7 355 323 1997.. 7 267 491	2 2 2 1 X
3312100	Iron and steel pipes and tubes@ \$ .....	2001.. 6 624 446 2000.. 7 524 715 1999.. 7 086 792 1998.. 7 355 323 1997.. 7 267 491	2 2 2 1 X
331221	Cold finishing of steel shapes .....	2001.. 4 150 347 2000.. 6 707 469 1999.. 6 476 681 1998.. 7 250 123 1997.. 5 714 148	2 1 1 1 X
3312211	Cold rolled steel sheet and strip, made in steel mills not producing hot rolled sheet or strip@ \$ .....	2001.. 2 876 471 2000.. 5 172 243 1999.. 5 104 858 1998.. 5 572 229 1997.. 4 101 917	2 1 1 1 X
3312213	Cold finished steel bars and bar shapes, made in steel mills not producing hot rolled bars and bar shapes@ \$.....	2001.. 1 086 934 2000.. 1 366 063 1999.. 1 269 066 1998.. 1 580 201 1997.. 1 592 402	6 4 4 2 X
331221W	Cold finishing of steel shapes, nsk, total .....	2001.. 186 942 2000.. 169 163 1999.. 102 757 1998.. 97 693 1997.. 19 829	1 2 1 1 X

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Product class code	Product	Year	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
331222	Steel wire and related products .....	2001..	4 668 243	2
		2000..	4 802 256	1
		1999..	4 810 446	1
		1998..	5 030 781	1
		1997..	4 962 274	X
3312221	Noninsulated ferrous wire rope, cable, and strand, made in plants that draw wire@ \$ .....	2001..	834 945	6
		2000..	891 805	3
		1999..	892 440	3
		1998..	959 395	1
		1997..	977 995	X
3312223	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire@ \$ .....	2001..	618 891	4
		2000..	425 088	6
		1999..	442 337	5
		1998..	463 589	6
		1997..	446 963	X
3312225	Steel wire, including galvanized and other coated wire, made in steel mills not producing wire rods or hot rolled bars, made in plants that draw wire@ \$ .....	2001..	1 812 101	3
		2000..	1 925 866	1
		1999..	1 885 677	1
		1998..	2 009 943	2
		1997..	1 996 859	X
3312227	Steel fencing and fence gates, made in plants that draw wire@ \$ .....	2001..	411 326	5
		2000..	345 782	5
		1999..	348 852	4
		1998..	420 917	5
		1997..	401 723	X
3312229	Ferrous wire cloth and other ferrous woven wire products, made in plants that draw wire@ \$ .....	2001..	52 485	27
		2000..	84 521	21
		1999..	74 984	9
		1998..	106 957	1
		1997..	102 048	X
331222B	Other fabricated ferrous wire products (except springs), made in plants that draw wire@ \$ .....	2001..	796 689	6
		2000..	995 237	3
		1999..	1 057 598	3
		1998..	949 143	3
		1997..	978 695	X
331222W	Steel wire and related products, nsk, total .....	2001..	141 806	9
		2000..	133 957	10
		1999..	108 559	11
		1998..	120 836	11
		1997..	57 991	X
331311	Alumina .....	2001..	690 236	5
		2000..	992 959	3
		1999..	1 005 646	1
		1998..	1 104 425	1
		1997..	1 019 017	X
3313110	Aluminum oxide, except natural alumina@ .....	2001..	690 236	5
		2000..	992 959	3
		1999..	1 005 646	1
		1998..	1 104 425	X
		1997..	1 019 017	X
331312	Primary aluminum .....	2001..	5 056 891	1
		2000..	6 063 471	1
		1999..	5 652 239	1
		1998..	6 124 780	1
		1997..	6 116 371	X
3313121	Primary aluminum ingot, produced in primary aluminum reduction plants, including pigs, sows, and molten metal, excluding billet\$ .....	2001..	4 016 820	1
		2000..	4 888 684	1
		1999..	4 596 088	1
		1998..	5 037 914	1
		1997..	4 981 718	X
3313123	Primary aluminum extrusion ingot (billet), produced in primary aluminum reduction plants\$ .....	2001..	1 034 287	1
		2000..	1 169 411	1
		1999..	1 040 526	1
		1998..	1 086 837	1
		1997..	1 134 653	X
331312W	Primary aluminum, nsk, total .....	2001..	5 784	1
		2000..	5 376	1
		1999..	15 624	57
		1998..	29	1
		1997..	-	X
331314	Secondary smelting and alloying of aluminum .....	2001..	2 931 959	4
		2000..	3 276 337	4
		1999..	3 147 381	3
		1998..	3 278 248	2
		1997..	3 357 627	X
3313141	Aluminum ingot, including pigs, sows, and molten metal, excluding billet, produced by secondary smelters\$ .....	2001..	2 119 356	5
		2000..	2 468 670	4
		1999..	2 434 304	4
		1998..	2 424 754	3
		1997..	2 633 315	X
3313143	Aluminum extrusion ingot (billet), produced by secondary smelters\$ .....	2001..	533 642	6
		2000..	504 028	7
		1999..	456 919	6
		1998..	453 949	4
		1997..	456 757	X
3313145	Aluminum and aluminum-base alloys powders, paste, and flakes .....	2001..	195 606	18
		2000..	203 941	17
		1999..	176 113	15
		1998..	252 363	1
		1997..	194 538	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
331314	Secondary smelting and alloying of aluminum—Con.		
331314W	Secondary smelting and alloying of aluminum, nsk, total .....	2001.. 83 355	65
		2000.. 99 697	58
		1999.. 80 046	68
		1998.. 147 182	7
		1997.. 73 017	X
331315	Aluminum sheet, plate, and foil .....	2001.. 10 476 200	2
		2000.. 11 689 134	2
		1999.. 11 568 640	2
		1998.. 11 699 722	1
		1997.. 12 483 031	X
3313151	Aluminum plate (thickness of 0.25 in. or more), including continuous cast.....	2001.. 683 626	7
		2000.. 758 696	6
		1999.. 860 560	5
		1998.. 922 418	1
		1997.. 923 131	X
3313153	Aluminum sheet and strip, including continuous cast .....	2001.. 8 784 568	2
		2000.. 9 721 631	2
		1999.. 9 592 091	2
		1998.. 9 665 596	1
		1997.. 10 514 924	X
3313155	Plain aluminum foil (less than .006 in. thick) .....	2001.. 906 923	1
		2000.. 1 136 916	1
		1999.. 1 068 554	1
		1998.. 1 054 065	1
		1997.. 1 044 976	X
331315W	Aluminum sheet, plate, and foil, nsk, total .....	2001.. 101 084	1
		2000.. 71 892	3
		1999.. 47 435	1
		1998.. 57 643	1
		1997.. -	X
331316	Aluminum extruded products .....	2001.. 5 475 189	2
		2000.. 6 074 392	2
		1999.. 5 901 508	2
		1998.. 6 037 842	1
		1997.. 5 976 360	X
3313161	Extruded aluminum rod, bar, and other extruded shapes .....	2001.. 4 631 434	2
		2000.. 5 168 053	2
		1999.. 5 003 424	2
		1998.. 5 138 257	1
		1997.. 5 140 725	X
3313163	Extruded and drawn aluminum tube .....	2001.. 762 235	3
		2000.. 843 404	4
		1999.. 841 795	4
		1998.. 855 504	2
		1997.. 835 635	X
331316W	Aluminum extruded products, nsk, total .....	2001.. 81 519	1
		2000.. 62 934	7
		1999.. 56 290	1
		1998.. 44 081	1
		1997.. -	X
331319	Other aluminum rolling and drawing, nec .....	2001.. 1 578 960	3
		2000.. 1 910 363	2
		1999.. 1 846 133	2
		1998.. 1 940 264	1
		1997.. 2 040 545	X
3313191	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, produced in aluminum rolling mills\$.....	2001.. 126 307	1
		2000.. 136 346	1
		1999.. 128 328	1
		1998.. 148 679	2
		1997.. 164 246	X
3313193	Rolled aluminum rod, bar, including continuous cast .....	2001.. 370 557	2
		2000.. 490 511	1
		1999.. 458 898	1
		1998.. 410 294	1
		1997.. 422 473	X
3313197	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, made in nonferrous plants that draw wire\$.....	2001.. 390 964	10
		2000.. 500 573	6
		1999.. 511 604	6
		1998.. 471 601	1
		1997.. 486 902	X
3313199	Aluminum ingot, excluding billet, produced in aluminum rolling mills\$.....	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
331319A	Aluminum wire cloth and woven wire products, made in nonferrous plants that draw wire\$.....	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
331319C	Aluminum extrusion ingot (billet), produced in aluminum rolling mills\$.....	2001.. 264 167	7
		2000.. 359 428	5
		1999.. 379 192	5
		1998.. 553 065	1
		1997.. 527 490	X
331319W	Other aluminum rolling and drawing, nec, nsk, total .....	2001.. 102 797	1
		2000.. 86 146	1
		1999.. 28 826	3
		1998.. 52 159	1
		1997.. 3 000	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
331411	Primary copper .....	2001..	2 201 850	1
		2000..	2 773 299	1
		1999..	4 068 134	1
		1998..	4 849 992	1
		1997..	5 387 471	X
3314110	Refined primary copper and copper-base alloy and primary copper smelter products, produced for further refining\$ .....	2001..	2 201 850	1
		2000..	2 773 299	1
		1999..	4 068 134	1
		1998..	4 849 992	1
		1997..	5 387 471	X
331419	Primary nonferrous metals, nec .....	2001..	2 843 893	5
		2000..	3 040 602	5
		1999..	3 459 399	3
		1998..	3 770 011	2
		1997..	3 704 108	X
3314191	Primary zinc residues and other zinc smelter products, produced for further refining .....	2001..	D	X
		2000..	D	X
		1999..	D	X
		1998..	D	X
		1997..	D	X
3314193	Refined primary zinc\$ .....	2001..	490 371	9
		2000..	542 949	10
		1999..	486 601	2
		1998..	514 909	1
		1997..	505 366	X
3314197	Primary precious metals and precious metal alloys\$ .....	2001..	537 110	7
		2000..	549 264	8
		1999..	674 321	4
		1998..	749 501	1
		1997..	707 530	X
3314199	Other primary nonferrous metals, nec\$ .....	2001..	D	X
		2000..	D	X
		1999..	D	X
		1998..	D	X
		1997..	D	X
331419W	Primary nonferrous metals, nec, nsk, total .....	2001..	71 981	60
		2000..	67 468	64
		1999..	69 822	62
		1998..	149 057	1
		1997..	115 657	X
331421	Rolled, drawn, or extruded copper products .....	2001..	5 966 020	3
		2000..	7 250 380	1
		1999..	6 802 610	1
		1998..	7 107 816	1
		1997..	7 107 699	X
3314211	Copper wire, bare and tinned (nonelectrical)\$ .....	2001..	126 503	A
		2000..	237 078	43
		1999..	254 148	11
		1998..	286 633	5
		1997..	316 744	X
3314213	Copper and copper-base alloy rod, bar, and shapes .....	2001..	2 396 170	2
		2000..	3 036 539	1
		1999..	2 772 072	1
		1998..	2 712 259	1
		1997..	2 675 502	X
3314217	Copper and copper-base alloy sheet, strip, and plate .....	2001..	1 331 378	6
		2000..	1 821 308	1
		1999..	1 700 403	4
		1998..	1 769 519	1
		1997..	1 823 193	X
3314219	Copper and copper-base alloy pipe and tube .....	2001..	2 065 447	1
		2000..	2 111 255	1
		1999..	2 010 013	1
		1998..	2 206 632	1
		1997..	2 270 688	X
331421W	Rolled, drawn, or extruded copper products, nsk, total .....	2001..	46 523	1
		2000..	44 200	1
		1999..	65 973	19
		1998..	132 773	24
		1997..	21 572	X
331422	Copper wire (except mechanical) drawing .....	2001..	735 617	8
		2000..	824 611	6
		1999..	724 311	4
		1998..	973 894	9
		1997..	914 402	X
3314221	Copper and copper-base alloy wire, strand, and cable for electrical transmission\$ .....	2001..	651 526	9
		2000..	759 510	7
		1999..	686 073	5
		1998..	954 317	9
		1997..	914 402	X
3314223	Copper wire cloth and woven wire products, made in nonferrous plants that draw wire\$ .....	2001..	27 573	1
		2000..	29 963	1
		1999..	S	X
		1998..	-	X
		1997..	-	X
331422W	Copper wire (except mechanical) drawing, nsk, total .....	2001..	56 518	1
		2000..	35 139	1
		1999..	38 086	4
		1998..	19 577	1
		1997..	-	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
331423	Secondary copper .....	2001..	695 561	3
		2000..	861 840	2
		1999..	856 490	1
		1998..	1 057 953	1
		1997..	1 094 557	X
3314230	Secondary smelting, refining, and alloying of copper\$ .....	2001..	695 561	3
		2000..	861 840	2
		1999..	856 490	1
		1998..	1 057 953	1
		1997..	1 094 557	X
331491	Other rolled, drawn, extruded, or alloyed nonferrous products .....	2001..	5 568 264	3
		2000..	6 116 221	2
		1999..	6 042 095	2
		1998..	6 783 397	1
		1997..	6 800 299	X
3314911	Nickel and nickel-base alloy mill shapes, including nickel-copper alloys\$ .....	2001..	1 145 834	2
		2000..	1 095 146	3
		1999..	1 098 670	3
		1998..	1 070 703	1
		1997..	1 071 644	X
3314913	Titanium and titanium-base alloy mill shapes, excluding wire .....	2001..	916 543	3
		2000..	899 389	3
		1999..	933 610	3
		1998..	1 554 395	1
		1997..	1 531 313	X
3314915	Bare nonferrous metal wire (except aluminum and copper), made in nonferrous plants that draw wire\$ .....	2001..	211 366	2
		2000..	228 998	1
		1999..	240 402	1
		1998..	277 020	9
		1997..	263 036	X
3314917	Nonferrous wire cloth and woven wire products, made in nonferrous plants that draw wire\$ .....	2001..	D	X
		2000..	D	X
		1999..	D	X
		1998..	D	X
		1997..	D	X
3314919	Precious metal mill shapes\$ .....	2001..	437 551	6
		2000..	505 304	4
		1999..	468 204	2
		1998..	630 348	2
		1997..	612 754	X
331491C	All other nonferrous metal mill shapes\$ .....	2001..	D	X
		2000..	D	X
		1999..	D	X
		1998..	D	X
		1997..	D	X
331491E	Apparatus wire and cord and flexible cord sets (except wiring harnesses), made in plants that draw wire@ \$ .....	2001..	661 883	13
		2000..	852 333	8
		1999..	836 694	7
		1998..	881 394	3
		1997..	917 993	X
331491G	Magnet wire, made in plants that draw wire@ .....	2001..	1 201 124	6
		2000..	1 429 061	6
		1999..	1 374 367	4
		1998..	1 295 156	1
		1997..	1 252 229	X
331491W	Other rolled, drawn, extruded, or alloyed nonferrous products, nsk, total .....	2001..	169 638	46
		2000..	170 735	46
		1999..	173 476	45
		1998..	231 780	1
		1997..	212 934	X
331492	Other secondary nonferrous metals .....	2001..	2 450 218	13
		2000..	2 668 052	10
		1999..	2 619 519	8
		1998..	3 197 412	3
		1997..	3 079 695	X
3314921	Other nonferrous metal powders, paste, and flakes .....	2001..	732 799	42
		2000..	856 090	28
		1999..	848 268	22
		1998..	1 064 016	6
		1997..	963 564	X
3314923	Secondary lead\$ .....	2001..	613 061	9
		2000..	711 783	4
		1999..	647 136	4
		1998..	715 336	1
		1997..	717 903	X
3314927	Secondary zinc\$ .....	2001..	270 999	3
		2000..	324 366	2
		1999..	305 684	1
		1998..	339 050	7
		1997..	303 964	X
3314929	Secondary precious metals and precious metal alloys\$ .....	2001..	298 748	11
		2000..	330 205	9
		1999..	338 164	6
		1998..	453 426	9
		1997..	466 533	X
331492A	Other nonferrous additive alloys\$ .....	2001..	455 307	3
		2000..	395 957	2
		1999..	423 174	8
		1998..	401 840	1
		1997..	407 931	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
331492	Other secondary nonferrous metals—Con.		
331492W	Other secondary nonferrous metals, nsk, total .....	2001.. 79 305	93
		2000.. 49 650	A
		1999.. 57 092	A
		1998.. 223 744	1
		1997.. 219 800	X
331511	Iron foundries .....	2001.. 10 756 919	2
		2000.. 11 853 192	2
		1999.. 11 820 557	2
		1998.. 11 670 354	1
		1997.. 11 875 995	X
3315111	Ductile iron pressure pipe and fittings .....	2001.. 1 808 200	4
		2000.. 1 717 226	5
		1999.. 1 599 505	4
		1998.. 1 592 907	1
		1997.. 1 542 695	X
3315113	Other ductile iron castings .....	2001.. 3 023 480	1
		2000.. 3 452 854	1
		1999.. 3 480 552	1
		1998.. 3 372 314	4
		1997.. 3 471 990	X
3315115	Cast iron pressure pipe and fittings .....	2001.. 26 690	20
		2000.. 39 910	11
		1999.. 61 559	27
		1998.. 62 255	3
		1997.. 63 802	X
3315117	Cast iron soil pipe and fittings, all sizes .....	2001.. 295 156	1
		2000.. 236 571	1
		1999.. 258 784	1
		1998.. 261 648	3
		1997.. 254 152	X
3315119	Other gray iron castings .....	2001.. 5 178 339	5
		2000.. 5 925 981	4
		1999.. 5 870 985	3
		1998.. 5 932 253	1
		1997.. 6 055 346	X
331511A	Standard malleable iron castings .....	2001.. 140 483	11
		2000.. 180 777	3
		1999.. 189 779	1
		1998.. 183 163	3
		1997.. 205 659	X
331511C	Pearlitic malleable iron castings .....	2001.. 68 807	1
		2000.. 105 809	1
		1999.. 120 540	1
		1998.. 115 914	1
		1997.. 132 615	X
331511E	Molds and stools for heavy steel ingots .....	2001.. 27 884	13
		2000.. 43 704	3
		1999.. 44 732	3
		1998.. 52 257	3
		1997.. 54 305	X
331511W	Iron foundries, nsk, total .....	2001.. 187 881	2
		2000.. 150 360	5
		1999.. 194 121	6
		1998.. 97 643	20
		1997.. 95 431	X
331512	Steel investment foundries .....	2001.. 2 745 761	2
		2000.. 2 700 470	1
		1999.. 2 654 760	1
		1998.. 2 338 722	1
		1997.. 2 231 809	X
3315120	Steel investment castings .....	2001.. 2 745 761	2
		2000.. 2 700 470	1
		1999.. 2 654 760	1
		1998.. 2 338 722	1
		1997.. 2 231 809	X
331513	Steel foundries, nec .....	2001.. 2 447 647	5
		2000.. 2 684 834	4
		1999.. 2 979 918	3
		1998.. 2 768 946	1
		1997.. 2 692 742	X
3315131	Other carbon steel castings, except investment .....	2001.. 1 068 879	6
		2000.. 1 103 902	5
		1999.. 1 204 365	3
		1998.. 1 184 179	1
		1997.. 1 169 105	X
3315133	High alloy steel castings, except investment .....	2001.. 688 659	6
		2000.. 836 780	3
		1999.. 946 094	5
		1998.. 751 662	1
		1997.. 738 566	X
3315135	Other alloy steel castings, except investment .....	2001.. 592 369	14
		2000.. 643 442	12
		1999.. 701 148	9
		1998.. 751 369	2
		1997.. 728 230	X
331513W	Steel foundries, nec, nsk, total .....	2001.. 97 739	1
		2000.. 100 710	1
		1999.. 128 311	7
		1998.. 81 736	2
		1997.. 56 841	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
331521	Aluminum die-castings .....	2001..	4
		2000..	3
		1999..	2
		1998..	1
		1997..	X
3315210	Aluminum and aluminum-base alloy die-castings .....	2001..	4
		2000..	3
		1999..	2
		1998..	1
		1997..	X
331522	Nonferrous die-castings, except aluminum .....	2001..	4
		2000..	3
		1999..	6
		1998..	2
		1997..	X
3315220	Nonferrous (except aluminum) die-castings .....	2001..	4
		2000..	3
		1999..	6
		1998..	2
		1997..	X
331524	Aluminum foundries .....	2001..	5
		2000..	4
		1999..	3
		1998..	1
		1997..	X
3315240	Aluminum and aluminum-base alloy castings, excluding die-castings .....	2001..	5
		2000..	4
		1999..	3
		1998..	1
		1997..	X
331525	Copper foundries .....	2001..	14
		2000..	8
		1999..	4
		1998..	3
		1997..	X
3315250	Copper and copper-base alloy castings, excluding die-castings .....	2001..	14
		2000..	8
		1999..	4
		1998..	3
		1997..	X
331528	Nonferrous foundries, nec .....	2001..	5
		2000..	4
		1999..	5
		1998..	2
		1997..	X
3315280	Other nonferrous foundries .....	2001..	5
		2000..	4
		1999..	5
		1998..	2
		1997..	X
332111	Iron and steel forgings .....	2001..	2
		2000..	2
		1999..	2
		1998..	2
		1997..	X
3321111	Hot impression die impact, press, and upset steel forgings .....	2001..	2
		2000..	2
		1999..	2
		1998..	3
		1997..	X
3321113	Cold impression die impact, press, and upset steel forgings .....	2001..	12
		2000..	10
		1999..	11
		1998..	6
		1997..	X
3321115	Seamless rolled ring forgings, ferrous, not made in steel mills\$ .....	2001..	13
		2000..	13
		1999..	11
		1998..	3
		1997..	X
3321117	Open die or smith forgings (hammer or press), ferrous, not made in steel mills\$ .....	2001..	6
		2000..	7
		1999..	7
		1998..	1
		1997..	X
332111W	Iron and steel forgings, nsk, total .....	2001..	16
		2000..	15
		1999..	16
		1998..	4
		1997..	X
332112	Nonferrous forgings .....	2001..	4
		2000..	3
		1999..	2
		1998..	1
		1997..	X
3321121	Hot impression die impact, press, and upset nonferrous forgings .....	2001..	5
		2000..	4
		1999..	3
		1998..	1
		1997..	X

See footnotes at end of table.



**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
332112	Nonferrous forgings—Con.			
3321122	Other nonferrous forgings .....	2001..	544 646	3
		2000..	560 563	4
		1999..	497 928	5
		1998..	501 847	1
		1997..	518 512	X
332112W	Nonferrous forgings, nsk, total .....	2001..	12 930	69
		2000..	12 655	69
		1999..	47 903	12
		1998..	40 814	1
		1997..	35 973	X
332114	Custom roll form products .....	2001..	3 530 987	3
		2000..	3 858 447	2
		1999..	3 713 337	2
		1998..	3 600 510	3
		1997..	3 460 154	X
3321140	Custom roll form products .....	2001..	3 530 987	3
		2000..	3 858 447	2
		1999..	3 713 337	2
		1998..	3 600 510	3
		1997..	3 460 154	X
332115	Crowns and closures .....	2001..	924 065	10
		2000..	919 207	6
		1999..	891 141	4
		1998..	908 331	3
		1997..	969 693	X
3321150	Metal commercial closures and metal home-canning closures, except crowns .....	2001..	924 065	10
		2000..	919 207	6
		1999..	891 141	4
		1998..	908 331	3
		1997..	969 693	X
332116	Metal stampings, nec .....	2001..	12 016 063	4
		2000..	14 241 733	3
		1999..	13 042 000	2
		1998..	12 619 690	2
		1997..	11 664 699	X
3321161	Metal job stampings, except automotive .....	2001..	8 262 937	4
		2000..	9 574 158	3
		1999..	8 979 519	2
		1998..	8 483 268	3
		1997..	7 976 387	X
3321163	Metal spinning products, excluding cooking and kitchen utensils .....	2001..	229 872	13
		2000..	273 706	17
		1999..	223 087	16
		1998..	178 671	17
		1997..	167 019	X
3321165	Other stamped and pressed metal end products, including vitreous enameled products .....	2001..	2 974 823	11
		2000..	3 773 449	3
		1999..	3 163 636	3
		1998..	3 204 837	3
		1997..	2 911 250	X
332116W	Metal stampings, nec, nsk, total .....	2001..	548 431	19
		2000..	620 420	18
		1999..	675 758	15
		1998..	752 914	15
		1997..	610 043	X
332117	Powder metallurgy parts .....	2001..	1 308 938	14
		2000..	1 471 436	10
		1999..	1 505 901	10
		1998..	1 350 723	1
		1997..	1 316 959	X
3321170	Powder metallurgy parts, excluding bearings, gears, and machine cutting tools and all cemented carbide parts .....	2001..	1 308 938	14
		2000..	1 471 436	10
		1999..	1 505 901	10
		1998..	1 350 723	1
		1997..	1 316 959	X
332211	Cutlery and flatware (except precious) .....	2001..	2 407 176	2
		2000..	2 370 514	2
		1999..	2 168 579	2
		1998..	2 100 572	1
		1997..	2 098 679	X
3322111	Cutlery, scissors, shears, trimmers, and snips .....	2001..	705 344	6
		2000..	793 873	4
		1999..	886 576	4
		1998..	852 277	1
		1997..	870 855	X
3322113	Razor blades and razors, except electric .....	2001..	1 664 077	1
		2000..	1 538 678	1
		1999..	1 248 463	1
		1998..	1 166 233	1
		1997..	1 158 733	X
332211W	Cutlery, nsk, total .....	2001..	37 755	14
		2000..	37 963	14
		1999..	33 540	16
		1998..	82 062	1
		1997..	69 091	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
332212	Hand and edge tools .....	2001..	5 904 707	2
		2000..	6 445 803	2
		1999..	6 366 345	2
		1998..	6 039 684	1
		1997..	5 950 367	X
3322121	Mechanics' hand service tools .....	2001..	2 168 689	2
		2000..	2 422 530	2
		1999..	2 385 389	2
		1998..	2 267 258	1
		1997..	2 154 391	X
3322123	Edge tools, hand-operated .....	2001..	514 825	11
		2000..	545 842	5
		1999..	570 516	4
		1998..	555 436	2
		1997..	591 243	X
3322125	Dies and interchangeable cutting tools, for machines and power-driven handtools .....	2001..	929 295	8
		2000..	969 656	8
		1999..	920 526	7
		1998..	804 643	5
		1997..	833 765	X
3322127	Other handtools, nec .....	2001..	1 271 353	4
		2000..	1 446 399	3
		1999..	1 424 696	2
		1998..	1 425 794	3
		1997..	1 344 119	X
3322129	Precision measuring tools (inspection, quality control, tool room, and machinists') .....	2001..	731 506	7
		2000..	706 209	7
		1999..	730 572	5
		1998..	652 309	7
		1997..	701 831	X
332212W	Hand and edge tool manufacturing, nsk, total .....	2001..	289 040	15
		2000..	355 167	11
		1999..	334 645	11
		1998..	334 243	9
		1997..	325 018	X
332213	Saw blades and handsaws .....	2001..	1 072 951	3
		2000..	1 235 914	3
		1999..	1 279 347	3
		1998..	1 328 726	2
		1997..	1 283 032	X
3322130	Handsaws, saw blades (hand and power), and saw accessories.....	2001..	1 072 951	3
		2000..	1 235 914	3
		1999..	1 279 347	3
		1998..	1 328 726	2
		1997..	1 283 032	X
332214	Kitchen utensils, pots, and pans .....	2001..	1 143 504	10
		2000..	1 260 824	8
		1999..	1 329 332	4
		1998..	1 225 512	4
		1997..	1 349 496	X
3322141	Stamped and spun utensils, cooking and kitchen, aluminum .....	2001..	781 972	14
		2000..	863 144	11
		1999..	849 044	6
		1998..	658 471	7
		1997..	783 759	X
3322143	Stamped and spun utensils, cooking and kitchen, except aluminum .....	2001..	345 127	10
		2000..	385 326	9
		1999..	463 773	4
		1998..	560 537	3
		1997..	562 185	X
332214W	Metal stampings, nec, nsk, total .....	2001..	16 404	1
		2000..	12 354	2
		1999..	16 515	2
		1998..	6 503	8
		1997..	3 552	X
332311	Prefabricated metal buildings and components .....	2001..	4 671 856	5
		2000..	5 066 616	4
		1999..	5 023 621	4
		1998..	4 517 392	5
		1997..	4 263 807	X
3323111	Prefabricated metal building and component systems, excluding farm service buildings, residential buildings, and parts.....	2001..	3 592 601	5
		2000..	3 789 997	5
		1999..	3 679 641	4
		1998..	3 158 698	6
		1997..	2 969 439	X
3323113	Other prefabricated and portable metal buildings and parts .....	2001..	844 536	9
		2000..	1 055 161	8
		1999..	1 105 125	9
		1998..	1 056 502	11
		1997..	1 043 701	X
332311W	Prefabricated metal buildings and components, nsk, total .....	2001..	234 719	11
		2000..	221 459	10
		1999..	238 855	10
		1998..	302 192	7
		1997..	250 667	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
332312	Fabricated structural metal .....	2001..	16 457 981	3
		2000..	16 802 107	3
		1999..	16 192 805	3
		1998..	15 031 866	1
		1997..	13 969 307	X
3323121	Fabricated structural metal bar joist and concrete reinforcing bars .....	2001..	8 826 252	3
		2000..	9 570 802	3
		1999..	8 984 682	3
		1998..	8 832 565	2
		1997..	8 651 407	X
3323123	Fabricated structural metal for bridges .....	2001..	966 780	11
		2000..	897 506	7
		1999..	847 044	8
		1998..	692 919	3
		1997..	566 114	X
3323125	Other fabricated structural metal .....	2001..	5 872 710	4
		2000..	5 444 748	5
		1999..	5 436 805	7
		1998..	3 808 330	2
		1997..	3 248 613	X
332312W	Fabricated structural metal, nsk, total .....	2001..	792 239	30
		2000..	889 052	27
		1999..	924 275	27
		1998..	1 698 052	3
		1997..	1 503 173	X
332313	Fabricated steel plate work .....	2001..	3 479 621	5
		2000..	3 619 892	5
		1999..	3 412 074	5
		1998..	3 022 135	3
		1997..	2 894 827	X
3323130	Fabricated steel plate (stacks and weldments) .....	2001..	3 479 621	5
		2000..	3 619 892	5
		1999..	3 412 074	5
		1998..	3 022 135	3
		1997..	2 894 827	X
332321	Metal windows and doors .....	2001..	10 961 381	3
		2000..	10 462 654	3
		1999..	9 853 390	2
		1998..	9 646 238	1
		1997..	8 994 752	X
3323211	Metal doors (except storm doors) .....	2001..	5 509 500	3
		2000..	5 695 479	3
		1999..	5 258 452	3
		1998..	5 010 792	2
		1997..	4 700 215	X
3323213	Metal windows (except storm sash) .....	2001..	2 772 961	6
		2000..	2 247 219	6
		1999..	2 126 871	5
		1998..	2 162 183	2
		1997..	1 919 103	X
3323215	Metal molding and trim and store fronts .....	2001..	1 043 624	6
		2000..	1 056 636	5
		1999..	1 038 139	5
		1998..	909 119	9
		1997..	876 573	X
3323217	Metal combination screen, storm sash, and storm doors .....	2001..	459 960	18
		2000..	484 398	16
		1999..	541 863	14
		1998..	449 744	2
		1997..	485 069	X
3323219	Metal window and door screens (except combination) and metal weather strip .....	2001..	541 131	21
		2000..	408 832	17
		1999..	392 043	15
		1998..	282 766	1
		1997..	295 818	X
332321W	Metal windows and doors, nsk, total .....	2001..	634 205	17
		2000..	570 089	18
		1999..	496 022	21
		1998..	831 633	6
		1997..	717 974	X
332322	Sheet metal work .....	2001..	16 532 336	3
		2000..	18 169 827	3
		1999..	16 531 767	3
		1998..	15 817 010	2
		1997..	15 129 494	X
3323221	Sheet metal air-conditioning ducts and stove pipe .....	2001..	1 910 734	8
		2000..	1 791 878	8
		1999..	1 707 865	7
		1998..	1 383 065	6
		1997..	1 403 145	X
3323223	Sheet metal culverts, flumes, irrigation pipes, etc. ....	2001..	376 752	8
		2000..	409 807	7
		1999..	422 464	6
		1998..	407 326	3
		1997..	424 827	X
3323227	Sheet metal roofing and roof drainage equipment .....	2001..	1 664 382	10
		2000..	1 828 526	10
		1999..	1 813 481	10
		1998..	1 572 986	4
		1997..	1 390 714	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
332322	Sheet metal work—Con.		
3323229	Sheet metal flooring and siding .....	2001.. 861 766	6
		2000.. 859 402	5
		1999.. 924 426	3
		1998.. 1 023 100	5
		1997.. 948 830	X
332322A	Sheet metal awnings, canopies, cornices, and soffits .....	2001.. 644 491	13
		2000.. 678 509	8
		1999.. 689 570	5
		1998.. 587 748	9
		1997.. 722 495	X
332322C	Sheet metal electronic enclosures .....	2001.. 4 742 871	3
		2000.. 5 666 789	3
		1999.. 4 275 342	3
		1998.. 3 513 059	3
		1997.. 3 348 016	X
332322E	Other sheet metal work .....	2001.. 5 267 755	4
		2000.. 5 726 086	4
		1999.. 5 440 017	3
		1998.. 4 891 036	3
		1997.. 4 778 535	X
332322W	Sheet metal work, nsk, total .....	2001.. 1 063 584	26
		2000.. 1 208 829	23
		1999.. 1 258 604	22
		1998.. 2 438 690	8
		1997.. 2 112 932	X
332323	Ornamental and architectural metal work .....	2001.. 5 594 570	5
		2000.. 5 393 802	5
		1999.. 4 935 695	3
		1998.. 4 548 666	2
		1997.. 4 243 440	X
3323231	Metal grilles, registers, and air diffusers .....	2001.. 597 423	6
		2000.. 568 658	5
		1999.. 527 618	5
		1998.. 510 644	4
		1997.. 494 749	X
3323233	Ornamental and architectural metal work .....	2001.. 1 896 056	8
		2000.. 1 768 413	7
		1999.. 1 591 605	7
		1998.. 1 309 651	4
		1997.. 1 219 589	X
3323235	Open metal flooring, grating, and studs .....	2001.. 659 854	9
		2000.. 591 144	8
		1999.. 550 526	7
		1998.. 576 052	4
		1997.. 512 976	X
3323237	Metal scaffolding and shoring and forming for concrete work .....	2001.. 304 963	10
		2000.. 375 121	9
		1999.. 387 498	7
		1998.. 421 338	2
		1997.. 394 620	X
3323239	Other architectural and ornamental work .....	2001.. 1 649 941	14
		2000.. 1 634 854	12
		1999.. 1 470 074	7
		1998.. 1 198 125	5
		1997.. 1 223 918	X
332323W	Ornamental and architectural metal work, nsk, total .....	2001.. 486 333	15
		2000.. 455 612	14
		1999.. 408 374	15
		1998.. 532 858	5
		1997.. 397 588	X
332410	Power boilers and heat exchangers .....	2001.. 3 759 195	9
		2000.. 3 584 322	10
		1999.. 3 537 031	9
		1998.. 3 539 902	3
		1997.. 3 601 322	X
3324101	Fabricated heat exchangers and steam condensers (except for nuclear applications) .....	2001.. 2 617 236	13
		2000.. 2 493 075	14
		1999.. 2 357 972	12
		1998.. 2 107 945	3
		1997.. 2 098 378	X
3324105	Steel power boilers (stationary and marine), parts and attachments (except nuclear applications) .....	2001.. 764 068	7
		2000.. 641 723	8
		1999.. 640 820	6
		1998.. 787 610	5
		1997.. 874 577	X
332410W	Power boilers and heat exchangers, nsk, total .....	2001.. 377 891	26
		2000.. 449 524	24
		1999.. 538 239	21
		1998.. 644 348	8
		1997.. 628 367	X
332420	Metal tanks (heavy gauge) .....	2001.. 4 417 320	3
		2000.. 4 506 682	3
		1999.. 4 666 254	2
		1998.. 4 485 174	2
		1997.. 4 480 384	X
3324207	Gas cylinders .....	2001.. 497 786	4
		2000.. 523 815	5
		1999.. 524 769	3
		1998.. 484 211	9
		1997.. 508 097	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
332420	Metal tanks (heavy gauge)—Con.		
3324209	Metal tanks, complete at factory (standard line pressure) . . . . .	2001.. 714 669	7
		2000.. 770 291	5
		1999.. 892 418	4
		1998.. 793 937	5
		1997.. 826 726	X
332420A	Nuclear reactor steam supply systems, heat exchangers and condensers, pressurizers, components, and auxiliary equipment . . . . .	2001.. 288 280	9
		2000.. 292 543	6
		1999.. 247 744	6
		1998.. 204 413	7
		1997.. 213 967	X
332420C	Metal tanks, complete at factory (standard line nonpressure) . . . . .	2001.. 386 993	11
		2000.. 466 849	9
		1999.. 480 187	9
		1998.. 484 798	13
		1997.. 442 893	X
332420E	Metal tanks and vessels, custom fabricated at the factory . . . . .	2001.. 1 465 617	7
		2000.. 1 459 304	6
		1999.. 1 462 980	5
		1998.. 1 453 093	4
		1997.. 1 443 424	X
332420G	Metal tanks and vessels, custom fabricated and field erected . . . . .	2001.. 895 834	6
		2000.. 812 197	6
		1999.. 876 594	6
		1998.. 907 303	3
		1997.. 913 689	X
332420W	Metal tanks (heavy gauge), nsk, total . . . . .	2001.. 168 140	14
		2000.. 181 683	13
		1999.. 181 562	10
		1998.. 157 420	11
		1997.. 131 588	X
332431	Metal cans . . . . .	2001.. 11 103 774	2
		2000.. 11 096 092	2
		1999.. 11 147 943	1
		1998.. 11 429 288	1
		1997.. 11 334 677	X
3324311	Steel cans and tinware products . . . . .	2001.. 4 274 386	4
		2000.. 4 449 691	4
		1999.. 4 520 928	2
		1998.. 4 452 756	1
		1997.. 4 672 522	X
3324313	Aluminum cans, including lids, ends, and parts shipped separately . . . . .	2001.. 6 765 345	1
		2000.. 6 578 259	1
		1999.. 6 552 987	1
		1998.. 6 887 383	1
		1997.. 6 560 667	X
332431W	Metal cans, nsk, total . . . . .	2001.. 64 043	9
		2000.. 68 142	9
		1999.. 74 028	8
		1998.. 89 149	39
		1997.. 101 488	X
332439	Other metal containers . . . . .	2001.. 2 005 056	7
		2000.. 2 318 594	6
		1999.. 2 311 897	5
		1998.. 2 241 862	3
		1997.. 2 216 060	X
3324391	Steel pails, 1 to 12 gallon capacity . . . . .	2001.. 531 660	9
		2000.. 567 149	8
		1999.. 523 920	7
		1998.. 517 873	11
		1997.. 530 119	X
3324393	Steel shipping barrels and drums, excluding beer barrels (more than 12 gallon capacity) . . . . .	2001.. 717 027	13
		2000.. 775 504	11
		1999.. 777 791	4
		1998.. 766 809	2
		1997.. 764 495	X
3324395	Other metal container manufacturing . . . . .	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
3324397	Air cargo containers, metal . . . . .	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
332439W	Other metal container manufacturing, nsk, total . . . . .	2001.. 285 698	25
		2000.. 345 418	18
		1999.. 342 575	18
		1998.. 479 411	4
		1997.. 439 209	X
332510	Hardware, nec . . . . .	2001.. 10 302 667	2
		2000.. 11 426 551	2
		1999.. 11 052 070	1
		1998.. 10 834 617	1
		1997.. 10 740 855	X
3325101	Furniture hardware (excluding cabinet hardware) . . . . .	2001.. 776 662	7
		2000.. 850 188	6
		1999.. 835 050	6
		1998.. 769 472	3
		1997.. 761 545	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
332510	Hardware, nec—Con.		
3325103	Builders' hardware, including fabricated metal safes and vaults.....	2001.. 4 698 176	3
		2000.. 5 070 915	2
		1999.. 5 007 472	2
		1998.. 5 325 587	1
		1997.. 5 122 866	X
3325105	Motor vehicle hardware (lock units, door and window handles, window regulators, hinges, license plate brackets, etc.) .....	2001.. 2 651 896	3
		2000.. 3 060 599	3
		1999.. 3 027 372	2
		1998.. 2 742 225	1
		1997.. 3 093 874	X
3325107	Other transportation equipment hardware (except motor vehicle hardware) .....	2001.. 566 471	9
		2000.. 522 455	9
		1999.. 515 375	8
		1998.. 534 254	1
		1997.. 508 822	X
3325109	Other hardware, nec.....	2001.. 1 154 117	4
		2000.. 1 456 027	4
		1999.. 1 323 574	4
		1998.. 1 072 713	8
		1997.. 965 325	X
332510W	Hardware manufacturing, nsk, total .....	2001.. 455 345	7
		2000.. 466 367	7
		1999.. 343 227	10
		1998.. 390 366	3
		1997.. 288 423	X
332611	Steel springs, except wire .....	2001.. 694 491	7
		2000.. 805 016	6
		1999.. 774 308	5
		1998.. 908 550	4
		1997.. 873 310	X
3326111	Hot formed steel springs (except wire) .....	2001.. 359 288	10
		2000.. 401 991	7
		1999.. 398 457	7
		1998.. 507 351	7
		1997.. 512 832	X
3326113	Cold formed steel springs, except wire .....	2001.. 305 431	11
		2000.. 369 361	10
		1999.. 339 132	7
		1998.. 383 380	2
		1997.. 351 232	X
332611W	Steel springs, except wire, nsk, total .....	2001.. 29 773	5
		2000.. 33 664	4
		1999.. 36 720	13
		1998.. 17 819	52
		1997.. 9 246	X
332612	Wire springs .....	2001.. 2 262 447	4
		2000.. 2 376 463	3
		1999.. 2 378 374	3
		1998.. 2 347 053	2
		1997.. 2 199 081	X
3326122	Precision mechanical wire springs .....	2001.. 1 005 346	6
		2000.. 1 123 017	6
		1999.. 1 080 716	6
		1998.. 1 017 760	4
		1997.. 929 182	X
3326124	Other wire springs.....	2001.. 1 188 949	5
		2000.. 1 185 515	4
		1999.. 1 229 571	3
		1998.. 1 222 644	1
		1997.. 1 245 725	X
332612W	Wire springs, nsk, total.....	2001.. 68 151	6
		2000.. 67 931	6
		1999.. 68 088	6
		1998.. 106 650	1
		1997.. 24 174	X
332618	Other fabricated wire products .....	2001.. 4 516 689	3
		2000.. 5 328 948	3
		1999.. 5 163 424	3
		1998.. 5 581 493	2
		1997.. 5 188 920	X
3326181	Noninsulated ferrous wire rope, cable, and strand, not made in plants that draw wire\$.....	2001.. 427 286	13
		2000.. 432 838	9
		1999.. 399 125	8
		1998.. 452 179	6
		1997.. 457 671	X
3326182	Other metal products, not made in plants that draw wire .....	2001.. 227 620	14
		2000.. 294 288	12
		1999.. 291 759	11
		1998.. 385 076	2
		1997.. 410 349	X
3326183	Ferrous wire cloth and other ferrous woven wire products, not made in plants that draw wire\$ .....	2001.. 253 193	18
		2000.. 332 912	14
		1999.. 326 865	12
		1998.. 315 288	6
		1997.. 290 183	X
3326185	Nonferrous wire cloth and other nonferrous woven wire products, not made in plants that draw wire\$ .....	2001.. 113 795	11
		2000.. 118 091	9
		1999.. 120 840	7
		1998.. 186 465	14
		1997.. 155 658	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
332618	Other fabricated wire products—Con.		
3326187	Fabricated fencing and fence gates, not made in plants that draw wire\$ .....	2001.. 181 743	28
		2000.. 172 920	30
		1999.. 154 899	30
		1998.. 210 045	6
		1997.. 184 408	X
3326189	Steel nails, staples, tacks, spikes, and brads, not made in plants that draw wire\$ .....	2001.. 134 527	20
		2000.. 417 231	5
		1999.. 379 161	5
		1998.. 303 547	2
		1997.. 360 686	X
332618B	Other fabricated ferrous wire products (except springs), not made in plants that draw wire\$ .....	2001.. 2 956 785	3
		2000.. 3 363 775	3
		1999.. 3 302 784	3
		1998.. 3 326 907	4
		1997.. 3 007 964	X
332618W	Other fabricated wire products, nsk, total .....	2001.. 221 741	26
		2000.. 196 891	30
		1999.. 187 990	31
		1998.. 401 985	7
		1997.. 322 001	X
332710	Machine shop work .....	2001.. 28 010 107	2
		2000.. 28 530 211	2
		1999.. 25 973 094	2
		1998.. 24 557 271	3
		1997.. 24 407 601	X
3327100	Receipts for machine shop job work and job order repairs .....	2001.. 28 010 107	2
		2000.. 28 530 211	2
		1999.. 25 973 094	2
		1998.. 24 557 271	3
		1997.. 24 407 601	X
332721	Precision turned products .....	2001.. 7 799 072	3
		2000.. 8 645 588	3
		1999.. 8 267 527	3
		1998.. 8 572 574	4
		1997.. 8 006 106	X
3327211	Precision-turned products, automotive .....	2001.. 2 174 664	5
		2000.. 2 397 380	5
		1999.. 2 377 156	4
		1998.. 1 935 329	8
		1997.. 1 886 830	X
3327215	Precision-turned products, except automotive .....	2001.. 5 146 889	4
		2000.. 5 725 602	3
		1999.. 5 294 693	3
		1998.. 4 308 161	5
		1997.. 4 135 005	X
332721W	Precision-turned products, nsk, total .....	2001.. 477 519	33
		2000.. 522 606	30
		1999.. 595 679	26
		1998.. 2 329 083	10
		1997.. 1 984 271	X
332722	Bolts, nuts, screws, rivets and washers .....	2001.. 7 476 865	3
		2000.. 8 069 488	3
		1999.. 7 842 952	3
		1998.. 8 047 501	1
		1997.. 7 581 822	X
3327221	Aircraft (including aerospace) fasteners other than plastics (meet specifications for flying vehicles) ...	2001.. 1 637 247	9
		2000.. 1 456 390	7
		1999.. 1 502 188	6
		1998.. 1 429 850	1
		1997.. 1 208 605	X
3327223	Externally threaded metal fasteners, except aircraft types .....	2001.. 2 929 607	4
		2000.. 3 274 013	4
		1999.. 3 076 985	3
		1998.. 3 095 183	2
		1997.. 3 085 720	X
3327225	Internally threaded metal fasteners, except aircraft types .....	2001.. 855 106	8
		2000.. 958 807	7
		1999.. 945 551	8
		1998.. 915 922	4
		1997.. 858 123	X
3327227	Nonthreaded metal fasteners, except aircraft types .....	2001.. 948 498	6
		2000.. 1 053 269	6
		1999.. 1 076 055	5
		1998.. 1 036 212	3
		1997.. 970 248	X
3327229	Products, other than fasteners, made by cold-heading (or warm- or hot-heading) processes .....	2001.. 808 018	9
		2000.. 990 908	9
		1999.. 914 192	7
		1998.. 867 107	3
		1997.. 858 745	X
332722W	Bolts, nuts, rivets, and washers, nsk, total .....	2001.. 298 389	38
		2000.. 336 099	34
		1999.. 327 981	35
		1998.. 703 226	5
		1997.. 600 381	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
332811	Metal heat treating .....	2001..	3 170 024	3
		2000..	3 566 431	3
		1999..	3 439 072	3
		1998..	3 537 251	3
		1997..	3 394 828	X
3328110	Heat treating of metal for the trade (heat treating, pickling, annealing, brazing, shot peening, tempering, etc.) .....	2001..	3 170 024	3
		2000..	3 566 431	3
		1999..	3 439 072	3
		1998..	3 537 251	3
		1997..	3 394 828	X
332812	Metal coating and allied services .....	2001..	8 475 381	3
		2000..	8 922 974	2
		1999..	8 991 890	2
		1998..	9 149 633	2
		1997..	8 214 631	X
3328120	Metal etching, engraving, coating, and allied services .....	2001..	8 475 381	3
		2000..	8 922 974	2
		1999..	8 991 890	2
		1998..	9 149 633	2
		1997..	8 214 631	X
332813	Electroplating, plating, polishing, anodizing, and coloring .....	2001..	6 153 839	2
		2000..	6 976 650	2
		1999..	6 417 070	2
		1998..	6 047 366	1
		1997..	6 146 442	X
3328130	Electroplating, plating, polishing, anodizing, and coloring .....	2001..	6 153 839	2
		2000..	6 976 650	2
		1999..	6 417 070	2
		1998..	6 047 366	1
		1997..	6 146 442	X
332911	Industrial valves.....	2001..	8 365 315	2
		2000..	8 380 776	2
		1999..	8 185 220	2
		1998..	8 232 517	1
		1997..	8 031 977	X
3329111	Gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves.....	2001..	1 539 927	7
		2000..	1 468 303	6
		1999..	1 471 758	4
		1998..	1 466 202	3
		1997..	1 317 414	X
3329113	Industrial valves for water works and municipal equipment (IBBM, AWWA, and UL).....	2001..	967 159	3
		2000..	964 519	3
		1999..	904 770	2
		1998..	796 369	4
		1997..	741 713	X
3329115	Industrial ball valves (all metals, pressures, and types), including manual and power-operated, on-off valves .....	2001..	1 254 890	5
		2000..	1 199 946	3
		1999..	1 115 345	3
		1998..	1 140 304	6
		1997..	1 161 437	X
3329117	Industrial butterfly valves (all metals, pressures, and types), including manual and power-operated, on-off valves.....	2001..	473 727	4
		2000..	495 649	4
		1999..	511 107	3
		1998..	498 456	2
		1997..	491 396	X
3329119	Industrial plug valves (all metals, pressures, and types), such as lubricated, cylindrical eccentric, and sleeve-lined .....	2001..	305 977	6
		2000..	337 922	2
		1999..	320 137	2
		1998..	379 224	1
		1997..	359 633	X
332911B	Industrial valves, nec .....	2001..	896 921	7
		2000..	918 927	8
		1999..	822 631	7
		1998..	958 025	3
		1997..	1 016 097	X
332911D	Nuclear valves (N-stamp only) .....	2001..	29 824	28
		2000..	28 248	29
		1999..	37 103	8
		1998..	36 720	1
		1997..	36 622	X
332911F	Automatic regulating and control valves and parts (except nuclear), power-operated, designed for modulating (throttling) service@ .....	2001..	2 159 577	4
		2000..	2 225 457	3
		1999..	2 267 856	3
		1998..	2 118 747	4
		1997..	2 134 578	X
332911H	Solenoid-operated valves and parts, except nuclear and fluid power transfer@ .....	2001..	457 747	2
		2000..	481 973	3
		1999..	485 421	3
		1998..	486 409	1
		1997..	485 022	X
332911W	Industrial valves, nsk, total .....	2001..	279 566	19
		2000..	259 833	18
		1999..	249 092	19
		1998..	352 061	6
		1997..	288 065	X

See footnotes at end of table.



**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
332912	Fluid power valves and hose fittings .....	2001..	2
		2000..	2
		1999..	2
		1998..	1
		1997..	X
3329121	Aerospace type hydraulic fluid power valves@ .....	2001..	8
		2000..	6
		1999..	6
		1998..	1
		1997..	X
3329123	Aerospace type pneumatic fluid power valves@ .....	2001..	11
		2000..	12
		1999..	2
		1998..	1
		1997..	X
3329125	Nonaerospace type hydraulic directional control valves@ .....	2001..	4
		2000..	3
		1999..	2
		1998..	6
		1997..	X
3329127	Nonaerospace type hydraulic valves, except directional control@ .....	2001..	8
		2000..	4
		1999..	4
		1998..	4
		1997..	X
3329129	Nonaerospace type pneumatic directional control valves@ .....	2001..	7
		2000..	5
		1999..	5
		1998..	5
		1997..	X
332912B	Nonaerospace type pneumatic valves, except directional control@ .....	2001..	7
		2000..	5
		1999..	6
		1998..	7
		1997..	X
332912D	Parts for fluid power valves@ .....	2001..	20
		2000..	18
		1999..	15
		1998..	2
		1997..	X
332912F	Aerospace type hydraulic and pneumatic fluid power hose or tube end fittings and assemblies@ .....	2001..	5
		2000..	5
		1999..	5
		1998..	2
		1997..	X
332912H	Nonaerospace type flared (metal) fittings, couplings for, and assemblies of tubing used in fluid power transfer systems@ .....	2001..	2
		2000..	2
		1999..	1
		1998..	2
		1997..	X
332912J	Nonaerospace type flareless fittings and couplings, including nonmetal fittings, used in fluid power transfer systems@ .....	2001..	3
		2000..	4
		1999..	4
		1998..	1
		1997..	X
332912L	Nonaerospace type hydraulic and pneumatic fittings and couplings for hose@ .....	2001..	6
		2000..	5
		1999..	6
		1998..	2
		1997..	X
332912N	Nonaerospace type hydraulic and pneumatic assemblies of hose@ .....	2001..	3
		2000..	4
		1999..	3
		1998..	1
		1997..	X
332912W	Fluid power valves and hose fittings, nsk, total .....	2001..	20
		2000..	19
		1999..	17
		1998..	3
		1997..	X
332913	Plumbing fixture fittings and trim .....	2001..	3
		2000..	3
		1999..	2
		1998..	7
		1997..	X
3329131	Single lever plumbing fixture controls, two or three handle bath or shower fittings, and antiscaid bath or shower valves (brass goods) .....	2001..	5
		2000..	4
		1999..	4
		1998..	2
		1997..	X
3329133	Lavatory and sink fittings (except single control), including drains and overflows (brass goods) .....	2001..	7
		2000..	6
		1999..	5
		1998..	1
		1997..	X
3329137	Miscellaneous plumbing fixtures, fittings, and trim (brass goods) .....	2001..	4
		2000..	4
		1999..	4
		1998..	16
		1997..	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
332913	Plumbing fixture fittings and trim—Con.		
332913W	Plumbing fixture fittings and trim, nsk, total	2001.. 223 244	1
		2000.. 103 734	2
		1999.. 83 314	1
		1998.. 41 787	1
		1997.. 2 662	X
332919	Other metal valves and pipe fittings	2001.. 2 282 007	5
		2000.. 2 377 950	4
		1999.. 2 402 656	4
		1998.. 2 761 282	3
		1997.. 2 619 007	X
3329191	Plumbing and heating valves and specialties, except plumbers' brass goods	2001.. 577 390	7
		2000.. 628 494	3
		1999.. 607 378	3
		1998.. 577 056	1
		1997.. 541 652	X
3329193	Metal fittings, flanges, and unions for piping systems	2001.. 1 640 997	5
		2000.. 1 689 011	4
		1999.. 1 696 116	3
		1998.. 1 894 078	5
		1997.. 1 813 262	X
332919W	Other metal valves and pipe fittings, nsk, total	2001.. 63 621	A
		2000.. 60 445	A
		1999.. 99 163	71
		1998.. 290 148	6
		1997.. 264 093	X
332991	Ball and roller bearings	2001.. 5 296 968	2
		2000.. 6 059 801	2
		1999.. 5 905 271	1
		1998.. 5 980 871	1
		1997.. 5 934 983	X
3329911	Ball bearings, complete, unmounted@	2001.. 1 801 927	3
		2000.. 2 130 877	5
		1999.. 2 032 473	2
		1998.. 2 088 352	1
		1997.. 2 107 110	X
3329913	Tapered roller bearings (including cups and cones), unmounted@	2001.. 1 320 888	4
		2000.. 1 563 215	1
		1999.. 1 546 777	1
		1998.. 1 574 936	1
		1997.. 1 470 822	X
3329915	Roller bearings, except tapered, unmounted@	2001.. 1 116 293	4
		2000.. 1 258 588	1
		1999.. 1 224 501	1
		1998.. 1 204 560	1
		1997.. 1 171 970	X
3329917	Mounted bearings, except plain@	2001.. 396 372	6
		2000.. 396 083	2
		1999.. 415 007	2
		1998.. 419 735	1
		1997.. 475 039	X
3329919	Parts and components for ball and roller bearings, except cups and cones (including ball and rollers sold separately)@	2001.. 608 658	2
		2000.. 658 599	1
		1999.. 624 737	1
		1998.. 637 218	1
		1997.. 648 035	X
332991W	Ball and roller bearings, nsk, total	2001.. 52 829	10
		2000.. 52 440	10
		1999.. 61 776	5
		1998.. 56 070	1
		1997.. 62 007	X
332992	Small arms ammunition	2001.. 1 012 787	2
		2000.. 1 122 893	2
		1999.. 1 109 328	1
		1998.. 952 561	1
		1997.. 889 302	X
3329920	Small arms ammunition, 30 mm or less (or 1.18 in. or less) for small firearms (rifles, shotguns, and sidearms)	2001.. 1 012 787	2
		2000.. 1 122 893	2
		1999.. 1 109 328	1
		1998.. 952 561	1
		1997.. 889 302	X
332993	Ammunition (except small arms), nec	2001.. 772 710	3
		2000.. 1 012 473	3
		1999.. 1 128 872	2
		1998.. 1 242 239	1
		1997.. 1 300 772	X
3329931	Artillery ammunition (more than 30 mm, more than 1.18 in.)	2001.. 302 568	7
		2000.. 438 251	4
		1999.. 547 257	4
		1998.. 579 774	1
		1997.. 647 163	X
3329933	Ammunition (except for small arms), nec	2001.. 464 312	3
		2000.. 568 805	3
		1999.. 574 452	2
		1998.. 654 449	1
		1997.. 651 375	X
332993W	Ammunition (except small arms), nec, nsk, total	2001.. 5 830	1
		2000.. 5 418	1
		1999.. 7 164	14
		1998.. 8 016	1
		1997.. 2 234	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
332994	Small arms .....	2001..	5
		2000..	5
		1999..	3
		1998..	1
		1997..	X
3329941	Machine guns (30 mm or less, 1.18 in. or less) .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3329943	Small arms (30 mm or less, 1.18 in. or less) .....	2001..	6
		2000..	5
		1999..	4
		1998..	1
		1997..	X
332994W	Small arms, nsk, total .....	2001..	10
		2000..	18
		1999..	5
		1998..	1
		1997..	X
332995	Ordnance and accessories, nec .....	2001..	3
		2000..	3
		1999..	4
		1998..	1
		1997..	X
3329951	Guns, howitzers, mortars, and related equipment (more than 30 mm, more than 1.18 in.) .....	2001..	3
		2000..	2
		1999..	2
		1998..	1
		1997..	X
3329952	Other ordnance and accessories, nec (rocket projectors, line throwing guns, flame throwers, torpedo tubes, etc., and parts) .....	2001..	9
		2000..	9
		1999..	9
		1998..	1
		1997..	X
332995W	Ordnance and accessories, nec, nsk, total .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
332996	Fabricated pipes and pipe fittings .....	2001..	4
		2000..	3
		1999..	3
		1998..	2
		1997..	X
3329961	Aluminum welded tube .....	2001..	X
		2000..	X
		1999..	X
		1998..	X
		1997..	X
3329963	Fabricated pipe and pipe fittings made from purchased pipe .....	2001..	X
		2000..	X
		1999..	X
		1998..	X
		1997..	X
332996W	Fabricated pipes and pipe fittings, nsk, total .....	2001..	24
		2000..	25
		1999..	29
		1998..	5
		1997..	X
332997	Industrial patterns .....	2001..	5
		2000..	4
		1999..	2
		1998..	4
		1997..	X
3329970	Industrial patterns, except shoe patterns .....	2001..	5
		2000..	4
		1999..	2
		1998..	4
		1997..	X
332998	Enameled iron and metal sanitary ware .....	2001..	4
		2000..	5
		1999..	4
		1998..	5
		1997..	X
3329980	Metal plumbing fixtures .....	2001..	4
		2000..	5
		1999..	4
		1998..	5
		1997..	X
332999	Fabricated metal products, nec .....	2001..	3
		2000..	3
		1999..	2
		1998..	2
		1997..	X
3329991	Converted unmounted aluminum foil packaging products .....	2001..	1
		2000..	5
		1999..	1
		1998..	1
		1997..	X

See footnotes at end of table.

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[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
332999	Fabricated metal products, nec—Con.		
3329993	Converted foil for nonpackaging applications and foil and leaf .....	2001.. 650 030	2
		2000.. 840 897	1
		1999.. 804 238	1
		1998.. 805 784	5
		1997.. 751 995	X
3329994	Miscellaneous machinery products, except electrical, including flexible metal hose and tubing, metal bellows, etc. ....	2001.. 781 210	11
		2000.. 946 753	8
		1999.. 942 489	8
		1998.. 766 454	8
		1997.. 592 897	X
3329997	Fabricated metal collapsible tubes .....	2001.. 59 181	29
		2000.. 70 777	31
		1999.. 74 805	21
		1998.. 70 127	10
		1997.. 53 062	X
3329999	Flat metal strapping .....	2001.. 310 158	3
		2000.. 366 188	2
		1999.. 377 610	3
		1998.. 440 291	13
		1997.. 349 386	X
332999A	Metal ladders .....	2001.. 559 454	2
		2000.. 502 857	2
		1999.. 484 309	2
		1998.. 437 407	1
		1997.. 411 441	X
332999G	Metal fittings, flanges, and unions for piping systems .....	2001.. 4 796 007	4
		2000.. 5 405 512	3
		1999.. 5 281 816	3
		1998.. 5 320 291	3
		1997.. 5 725 969	X
332999W	Fabricated metal products, nec, nsk, total .....	2001.. 1 671 594	10
		2000.. 1 563 051	12
		1999.. 1 489 746	11
		1998.. 1 576 213	5
		1997.. 1 275 933	X
333111	Farm machinery and equipment .....	2001.. 13 132 560	3
		2000.. 12 987 507	3
		1999.. 11 629 380	3
		1998.. 15 431 662	1
		1997.. 15 006 901	X
3331111	Farm-type (power take-off hp) wheel tractors (2- and 4-wheel drive) (sold with or without attachments)@ .....	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. 3 805 491	1
		1997.. 3 856 907	X
3331113	Farm dairy equipment, sprayers and dusters (except aerial types), farm elevators, farm blowers, and attachments@ .....	2001.. 694 689	26
		2000.. 669 033	25
		1999.. 661 524	8
		1998.. 710 767	1
		1997.. 745 305	X
3331117	Planting, seeding, and fertilizing machinery and attachments, excluding turf machinery@ .....	2001.. 986 554	8
		2000.. 870 399	8
		1999.. 857 455	5
		1998.. 946 982	1
		1997.. 1 080 018	X
3331119	Harvesting machinery (except hay and straw) and attachments@ .....	2001.. 1 866 092	6
		2000.. 1 516 400	6
		1999.. 1 543 060	6
		1998.. 3 130 873	1
		1997.. 2 970 346	X
333111A	Haying machinery and attachments@ .....	2001.. 615 777	17
		2000.. 506 600	21
		1999.. 506 794	10
		1998.. 731 145	1
		1997.. 664 378	X
333111C	Parts for farm machinery, for sale separately@ .....	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. 1 601 974	1
		1997.. 1 425 475	X
333111E	Farm plows (including plowshares, primary tillage), harrows, rollers, pulverizers, and cultivators and weeders, and attachments@ .....	2001.. 357 115	15
		2000.. 347 506	15
		1999.. 375 748	7
		1998.. 547 649	7
		1997.. 608 954	X
333111G	All other farm machinery and equipment, excluding parts, but including attachments@ .....	2001.. 1 831 140	8
		2000.. 1 979 685	7
		1999.. 1 701 876	8
		1998.. 1 951 954	3
		1997.. 1 836 550	X
333111J	Commercial turf and grounds care equipment, including parts and attachments@ .....	2001.. 2 117 063	8
		2000.. 2 234 155	9
		1999.. 1 931 021	10
		1998.. 1 541 847	1
		1997.. 1 340 221	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
333111	Farm machinery and equipment—Con.		
333111W	Farm machinery and equipment, nsk, total .....	2001.. 286 543	53
		2000.. 286 639	53
		1999.. 307 063	49
		1998.. 462 980	13
		1997.. 478 747	X
333112	Lawn and garden equipment .....	2001.. 6 151 646	1
		2000.. 6 824 924	1
		1999.. 6 996 373	1
		1998.. 6 904 597	1
		1997.. 6 283 652	X
3331121	Consumer nonriding lawn, garden, and snow equipment@ .....	2001.. 2 843 089	1
		2000.. 2 922 478	1
		1999.. 3 115 580	2
		1998.. 3 025 562	2
		1997.. 2 875 961	X
3331123	Consumer riding lawn, garden, and snow equipment@ .....	2001.. 2 449 513	1
		2000.. 2 916 576	1
		1999.. 2 773 754	1
		1998.. 2 738 733	1
		1997.. 2 516 613	X
3331127	Parts and attachments for consumer lawn, garden, and snow equipment@ .....	2001.. 811 223	8
		2000.. 938 841	7
		1999.. 1 038 600	1
		1998.. 1 040 066	2
		1997.. 816 253	X
333112W	Lawn and garden equipment, nsk, total .....	2001.. 47 823	16
		2000.. 47 030	19
		1999.. 68 439	18
		1998.. 100 236	4
		1997.. 74 825	X
333120	Construction machinery .....	2001.. 18 118 524	3
		2000.. 20 441 106	3
		1999.. 19 440 463	3
		1998.. 20 682 312	1
		1997.. 19 287 496	X
3331201	Power cranes, dozers, construction tractors, off-highway trucks and trailers, mixers, pavers, backhoes, and related equipment@ .....	2001.. 12 894 606	3
		2000.. 15 195 288	3
		1999.. 14 352 810	4
		1998.. 14 967 646	1
		1997.. 13 693 995	X
3331208	Other construction machinery and equipment (excluding parts)@ .....	2001.. 2 194 251	14
		2000.. 2 209 266	9
		1999.. 1 971 389	9
		1998.. 2 268 498	3
		1997.. 2 122 257	X
3331209	Parts for construction machinery and equipment, sold separately .....	2001.. 2 623 829	10
		2000.. 2 670 408	9
		1999.. 2 894 618	8
		1998.. 3 041 009	2
		1997.. 2 968 564	X
333120W	Construction machinery, nsk, total .....	2001.. 405 838	48
		2000.. 366 164	53
		1999.. 221 647	88
		1998.. 405 159	39
		1997.. 502 680	X
333131	Mining machinery .....	2001.. 2 297 338	3
		2000.. 2 088 229	3
		1999.. 2 243 630	3
		1998.. 2 991 510	2
		1997.. 2 974 042	X
3331311	Underground mining machinery (except parts sold separately)@ .....	2001.. 412 606	2
		2000.. 391 729	3
		1999.. 418 888	3
		1998.. 734 175	1
		1997.. 680 836	X
3331313	Mineral processing and beneficiation machinery (except parts sold separately) .....	2001.. 515 684	3
		2000.. 406 800	5
		1999.. 569 768	4
		1998.. 507 297	2
		1997.. 633 663	X
3331315	Crushing, pulverizing, and screening machinery (excluding portable combination plants), except parts sold separately@ .....	2001.. 298 522	7
		2000.. 266 967	8
		1999.. 310 532	10
		1998.. 521 296	12
		1997.. 482 132	X
3331317	Drills and other mining machinery, nec (except parts sold separately)@ .....	2001.. 191 315	10
		2000.. 248 147	9
		1999.. 288 223	4
		1998.. 279 882	4
		1997.. 263 008	X
3331319	Parts and attachments for mining machinery and equipment (sold separately) .....	2001.. 784 933	7
		2000.. 668 544	7
		1999.. 567 596	7
		1998.. 760 513	4
		1997.. 777 472	X
333131W	Mining machinery, nsk, total .....	2001.. 94 277	26
		2000.. 106 041	26
		1999.. 88 623	28
		1998.. 188 347	4
		1997.. 136 931	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
333132	Oil and gas field machinery .....	2001..	7
		2000..	6
		1999..	6
		1998..	2
		1997..	X
3331321	Rotary oil and gas field drilling machinery and equipment .....	2001..	15
		2000..	12
		1999..	5
		1998..	3
		1997..	X
3331323	Other oil and gas field drilling machinery and equipment .....	2001..	17
		2000..	10
		1999..	6
		1998..	1
		1997..	X
3331325	Oil and gas field production machinery and equipment (except pumps) .....	2001..	8
		2000..	10
		1999..	12
		1998..	2
		1997..	X
3331327	Portable oil and gas field drilling rigs and parts@ .....	2001..	17
		2000..	15
		1999..	27
		1998..	2
		1997..	X
3331329	Oil and gas field derricks and well surveying machinery .....	2001..	16
		2000..	23
		1999..	14
		1998..	24
		1997..	X
333132W	Oil and gas field machinery, nsk, total .....	2001..	23
		2000..	24
		1999..	24
		1998..	18
		1997..	X
333210	Sawmill and woodworking machinery .....	2001..	5
		2000..	5
		1999..	4
		1998..	6
		1997..	X
3332103	Woodworking machinery, including parts, attachments, and accessories .....	2001..	6
		2000..	5
		1999..	5
		1998..	7
		1997..	X
3332105	Woodworking machinery for home workshops, garages, and service shops .....	2001..	6
		2000..	6
		1999..	6
		1998..	4
		1997..	X
333210W	Sawmill and woodworking machinery, nsk, total .....	2001..	46
		2000..	40
		1999..	35
		1998..	16
		1997..	X
333220	Rubber and plastics industry machinery .....	2001..	5
		2000..	5
		1999..	4
		1998..	6
		1997..	X
3332201	Plastics working machinery and equipment, excluding patterns and molds .....	2001..	6
		2000..	6
		1999..	5
		1998..	7
		1997..	X
3332203	Rubber working machinery and equipment, excluding tire molds .....	2001..	7
		2000..	6
		1999..	4
		1998..	18
		1997..	X
333220W	Rubber and plastics industry machinery manufacturing, nec, nsk, total .....	2001..	26
		2000..	23
		1999..	39
		1998..	10
		1997..	X
333291	Paper industries machinery .....	2001..	6
		2000..	5
		1999..	3
		1998..	3
		1997..	X
3332911	Paper industries machinery .....	2001..	7
		2000..	5
		1999..	4
		1998..	4
		1997..	X
3332913	Parts and attachments for paper industries machinery (sold separately) .....	2001..	10
		2000..	10
		1999..	6
		1998..	5
		1997..	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
333291	Paper industries machinery—Con.		
333291W	Paper industries machinery, nsk, total .....	2001.. 99 538	28
		2000.. 118 614	27
		1999.. 139 382	21
		1998.. 218 063	4
		1997.. 216 359	X
333292	Textile machinery .....	2001.. 1 051 589	8
		2000.. 1 482 901	7
		1999.. 1 366 841	6
		1998.. 1 543 872	6
		1997.. 1 480 767	X
3332921	Textile machinery (except parts, attachments, and accessories) .....	2001.. 687 280	8
		2000.. 1 006 042	9
		1999.. 925 082	7
		1998.. 1 009 113	6
		1997.. 877 516	X
3332923	Parts and attachments for textile machinery .....	2001.. 337 875	15
		2000.. 444 540	14
		1999.. 405 462	14
		1998.. 451 844	12
		1997.. 499 625	X
333292W	Textile machinery, nsk, total .....	2001.. 26 434	71
		2000.. 32 318	61
		1999.. 36 297	51
		1998.. 82 915	49
		1997.. 103 626	X
333293	Printing machinery and equipment.....	2001.. 2 932 990	3
		2000.. 3 504 613	2
		1999.. 3 108 909	2
		1998.. 3 507 924	4
		1997.. 3 211 931	X
3332931	Printing presses, offset lithographic .....	2001.. 601 176	2
		2000.. 736 149	2
		1999.. 548 242	1
		1998.. 649 399	7
		1997.. 584 387	X
3332933	Printing presses, other than lithographic .....	2001.. 327 178	7
		2000.. 363 364	5
		1999.. 294 782	4
		1998.. 349 849	8
		1997.. 383 117	X
3332935	Typesetting machinery, excluding justifying typewriters.....	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
3332937	Printing trades binding machinery and equipment, including paper cutting and collating or gathering machines .....	2001.. 283 090	7
		2000.. 407 732	4
		1999.. 352 960	4
		1998.. 372 808	5
		1997.. 354 522	X
3332939	Printing trades machinery, nec .....	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
333293W	Printing trades machinery, nsk, total .....	2001.. 201 724	6
		2000.. 176 562	8
		1999.. 175 079	7
		1998.. 191 496	2
		1997.. 157 394	X
333294	Food products machinery .....	2001.. 2 403 626	5
		2000.. 2 562 510	5
		1999.. 2 614 350	4
		1998.. 2 593 006	3
		1997.. 2 564 441	X
3332941	Dairy and milk products plant machinery and equipment, except bottling and packaging .....	2001.. 184 699	19
		2000.. 216 007	12
		1999.. 268 851	11
		1998.. 276 874	2
		1997.. 285 898	X
3332943	Commercial food products machinery, except packaging machinery and food cooking and warming equipment.....	2001.. 1 005 784	9
		2000.. 1 032 105	8
		1999.. 978 706	6
		1998.. 1 010 162	4
		1997.. 943 885	X
3332945	Industrial machinery and equipment for manufacturing or processing foods, beverages, and animal or fowl feed .....	2001.. 1 112 047	6
		2000.. 1 200 908	5
		1999.. 1 219 811	5
		1998.. 1 037 651	7
		1997.. 1 089 558	X
333294W	Food products machinery, nsk, total .....	2001.. 101 096	41
		2000.. 113 490	36
		1999.. 146 983	26
		1998.. 268 319	9
		1997.. 245 100	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
333295	Semiconductor manufacturing equipment .....	2001..	3
		2000..	2
		1999..	2
		1998..	3
		1997..	X
3332950	Semiconductor manufacturing equipment (except furnaces and ovens, instruments, and photographics) .....	2001..	3
		2000..	2
		1999..	2
		1998..	3
		1997..	X
333298	All other industrial machinery and equipment .....	2001..	4
		2000..	5
		1999..	4
		1998..	3
		1997..	X
3332981	Chemical manufacturing machinery, equipment, and parts .....	2001..	7
		2000..	6
		1999..	6
		1998..	3
		1997..	X
3332983	Foundry machinery and equipment, excluding patterns and molds .....	2001..	14
		2000..	13
		1999..	9
		1998..	13
		1997..	X
3332985	Printed circuit board manufacturing machinery, except testing .....	2001..	20
		2000..	25
		1999..	21
		1998..	7
		1997..	X
3332987	Special industry machinery and equipment, nec .....	2001..	4
		2000..	3
		1999..	3
		1998..	5
		1997..	X
333298W	All other industrial machinery manufacturing, nec, nsk, total .....	2001..	14
		2000..	15
		1999..	14
		1998..	8
		1997..	X
333311	Automatic vending machines .....	2001..	5
		2000..	3
		1999..	3
		1998..	2
		1997..	X
3333111	Automatic merchandising machines, coin-operated (vending), excluding money changing machines, coin-operated mechanisms, and parts .....	2001..	6
		2000..	5
		1999..	3
		1998..	1
		1997..	X
3333112	Coin-operated mechanisms and parts for automatic merchandising machines .....	2001..	9
		2000..	3
		1999..	2
		1998..	9
		1997..	X
333311W	Automatic merchandising machines, nsk, total .....	2001..	3
		2000..	8
		1999..	19
		1998..	3
		1997..	X
333312	Commercial laundry, drycleaning and pressing machines .....	2001..	5
		2000..	5
		1999..	15
		1998..	1
		1997..	X
3333120	Commercial laundry, drycleaning, and pressing machinery and equipment .....	2001..	5
		2000..	5
		1999..	15
		1998..	1
		1997..	X
333313	Office machines .....	2001..	6
		2000..	7
		1999..	7
		1998..	2
		1997..	X
3333131	Automatic typing and word processing machines, including parts and attachments .....	2001..	X
		2000..	X
		1999..	X
		1998..	X
		1997..	X
3333134	Calculating and accounting machines, except point-of-sales terminals and funds transfer devices@ ...	2001..	14
		2000..	20
		1999..	8
		1998..	23
		1997..	X
3333137	Duplicating machines, except parts and attachments .....	2001..	72
		2000..	53
		1999..	32
		1998..	21
		1997..	X

See footnotes at end of table.



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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
333313	Office machines—Con.		
333313A	Mailing, letter handling, and addressing machines, except parts and attachments@ . . . . .	2001.. 1 895 347	5
		2000.. 1 406 353	5
		1999.. 1 134 531	5
		1998.. 1 439 956	1
		1997.. 1 405 817	X
333313D	Standard typewriters, dictating, transcribing, recording machines, and all other office machines, nec, except parts and attachments@ . . . . .	2001.. 207 668	19
		2000.. 304 801	15
		1999.. 293 307	9
		1998.. 381 221	3
		1997.. 386 035	X
333313G	Parts and attachments for calculating and accounting machines . . . . .	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
333313J	Parts and attachments for office machines, nec, standard typewriters, dictating, transcribing, and recording machines . . . . .	2001.. 230 784	8
		2000.. 326 990	7
		1999.. 536 261	4
		1998.. 556 099	4
		1997.. 527 617	X
333313W	Office machines, nec, nsk, total . . . . .	2001.. 89 362	69
		2000.. 142 735	43
		1999.. 167 513	57
		1998.. 151 591	20
		1997.. 185 591	X
333314	Optical instruments and lenses . . . . .	2001.. 3 022 291	6
		2000.. 3 279 220	4
		1999.. 3 089 370	8
		1998.. 3 037 359	4
		1997.. 2 959 925	X
3333141	Sighting, tracking, and fire-control equipment, optical-type@ . . . . .	2001.. 590 172	10
		2000.. 460 664	11
		1999.. 521 925	8
		1998.. 533 499	3
		1997.. 608 261	X
3333143	Optical instruments and lenses, nec@ . . . . .	2001.. 2 276 705	7
		2000.. 2 662 561	5
		1999.. 2 418 544	10
		1998.. 2 280 900	5
		1997.. 2 159 430	X
333314W	Optical instrument and lens manufacturing, nsk, total . . . . .	2001.. 155 414	23
		2000.. 155 995	25
		1999.. 148 901	26
		1998.. 222 959	12
		1997.. 192 234	X
333315	Photographic and photocopying equipment . . . . .	2001.. 2 806 256	11
		2000.. 4 003 164	7
		1999.. 4 589 494	6
		1998.. 6 604 623	1
		1997.. 6 292 074	X
3333151	Still picture photographic equipment . . . . .	2001.. 482 364	19
		2000.. 750 378	12
		1999.. 918 148	9
		1998.. 1 005 507	1
		1997.. 1 004 183	X
3333153	Photocopying equipment, including diffusion transfer, dye transfer, electrostatic, light and heat sensitive types, etc. . . . .	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
3333155	Microfilming, blueprinting, and whiteprinting equipment . . . . .	2001.. 14 076	A
		2000.. 34 221	53
		1999.. 37 798	48
		1998.. 62 878	35
		1997.. 140 190	X
3333157	Motion picture equipment . . . . .	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
333315W	Photographic and photocopying equipment manufacturing, nsk, total . . . . .	2001.. 292 330	27
		2000.. 297 807	27
		1999.. 258 539	31
		1998.. 548 120	5
		1997.. 403 771	X
333319	Other commercial and service industry machinery . . . . .	2001.. 10 622 812	2
		2000.. 10 705 195	2
		1999.. 9 592 448	2
		1998.. 9 590 091	3
		1997.. 8 888 524	X
3333191	Commercial cooking and food-warming equipment, including parts and accessories . . . . .	2001.. 2 106 849	5
		2000.. 2 125 580	3
		1999.. 2 097 346	3
		1998.. 1 917 015	1
		1997.. 1 811 807	X
3333193	Commercial and industrial vacuum cleaners, including parts and attachments . . . . .	2001.. 697 324	2
		2000.. 722 905	2
		1999.. 746 170	2
		1998.. 629 757	5
		1997.. 595 165	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
333319	Other commercial and service industry machinery—Con.		
3333195	All other industrial machinery manufacturing, nec, nsk, total .....	2001.. 863 881	10
		2000.. 996 370	11
		1999.. 867 405	11
		1998.. 636 019	5
		1997.. 630 972	X
3333197	Electronic teaching machines, teaching aids, trainers, and simulators, including kits@ .....	2001.. 1 518 911	5
		2000.. 1 495 679	5
		1999.. 792 626	7
		1998.. 798 898	1
		1997.. 779 213	X
3333199	Miscellaneous machinery products, except electrical (including flexible metal hose and tubing, service industry machines and parts, metal bellows, etc.) .....	2001.. 4 930 486	4
		2000.. 4 808 526	3
		1999.. 4 652 029	3
		1998.. 5 101 914	5
		1997.. 4 607 400	X
333319W	Other commercial and service industry machinery, nsk, total .....	2001.. 505 362	10
		2000.. 556 134	9
		1999.. 436 872	11
		1998.. 506 488	8
		1997.. 463 967	X
333411	Air purification equipment .....	2001.. 1 931 500	5
		2000.. 1 991 436	5
		1999.. 1 917 055	5
		1998.. 1 911 961	5
		1997.. 2 101 717	X
3334111	Dust collection and other air purification equipment for industrial gas cleaning systems (for cleaning outgoing air)@ .....	2001.. 750 534	7
		2000.. 729 994	6
		1999.. 569 496	6
		1998.. 502 084	10
		1997.. 711 872	X
3334113	Dust collection and other air purification equipment and parts for cleaning incoming air .....	2001.. 1 098 503	7
		2000.. 1 216 158	6
		1999.. 1 268 924	6
		1998.. 1 271 655	6
		1997.. 1 296 305	X
333411W	Air purification equipment, nsk, total .....	2001.. 82 463	38
		2000.. 45 283	68
		1999.. 78 636	45
		1998.. 138 221	12
		1997.. 93 540	X
333412	Industrial and commercial fans and blowers .....	2001.. 1 999 279	6
		2000.. 2 084 332	6
		1999.. 2 261 710	6
		1998.. 2 337 502	4
		1997.. 2 027 565	X
3334120	Industrial and commercial fans and blowers, and attic fans .....	2001.. 1 999 279	6
		2000.. 2 084 332	6
		1999.. 2 261 710	6
		1998.. 2 337 502	4
		1997.. 2 027 565	X
333414	Heating equipment, except electric .....	2001.. 3 670 326	4
		2000.. 3 895 629	3
		1999.. 3 715 569	3
		1998.. 3 576 169	6
		1997.. 3 579 512	X
3334141	Cast iron heating boilers, radiators, and convectors, except parts .....	2001.. 438 047	5
		2000.. 425 707	1
		1999.. 422 520	3
		1998.. 404 831	1
		1997.. 391 786	X
3334143	Domestic heating stoves, except electric (excluding parts) .....	2001.. 527 418	11
		2000.. 502 395	9
		1999.. 540 485	6
		1998.. 464 710	24
		1997.. 556 449	X
3334145	Steel heating boilers (15 psi or less) and all hot water heating boilers (except electric), excluding parts .....	2001.. 240 627	14
		2000.. 274 443	7
		1999.. 226 998	8
		1998.. 208 639	38
		1997.. 219 582	X
3334147	Floor and wall furnaces, unit heaters, infrared heaters, and mechanical stokers (except electric) .....	2001.. 488 509	16
		2000.. 500 374	11
		1999.. 476 843	8
		1998.. 443 941	1
		1997.. 526 335	X
3334149	Other heating equipment, except electric (including parts for nonelectric heating equipment and oil burners) .....	2001.. 1 771 278	5
		2000.. 2 028 623	4
		1999.. 1 865 103	4
		1998.. 1 682 597	1
		1997.. 1 571 443	X
333414W	Heating equipment, except electric, nsk, total .....	2001.. 204 446	20
		2000.. 164 088	25
		1999.. 183 620	19
		1998.. 371 451	40
		1997.. 313 917	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment..... 2001..	24 006 009	2
	..... 2000..	25 132 490	1
	..... 1999..	25 055 748	1
	..... 1998..	23 651 558	1
	..... 1997..	21 948 350	X
3334151	Heat transfer equipment (except electrically operated dehumidifiers and motor vehicle mechanical air-conditioning systems)@ ..... 2001..	4 172 608	3
	..... 2000..	4 334 899	3
	..... 1999..	4 474 971	3
	..... 1998..	4 687 476	1
	..... 1997..	4 204 925	X
3334153	Commercial refrigerators and related equipment ..... 2001..	2 794 189	3
	..... 2000..	3 227 933	3
	..... 1999..	3 418 019	2
	..... 1998..	3 213 423	1
	..... 1997..	2 926 753	X
3334155	Refrigeration condensing units, all refrigerants, except ammonia (complete)@ ..... 2001..	328 749	34
	..... 2000..	350 869	31
	..... 1999..	365 603	31
	..... 1998..	317 544	1
	..... 1997..	289 689	X
3334156	Room air-conditioners and dehumidifiers, except portable dehumidifiers@ ..... 2001..	944 281	1
	..... 2000..	983 766	1
	..... 1999..	1 177 459	1
	..... 1998..	1 033 665	1
	..... 1997..	979 308	X
3334159	Refrigeration and air-conditioning equipment, nec ..... 2001..	1 393 730	13
	..... 2000..	1 470 407	13
	..... 1999..	1 413 845	11
	..... 1998..	962 682	3
	..... 1997..	880 266	X
333415A	Compressors and compressor units, all refrigerants, except automobiles@ ..... 2001..	2 914 182	3
	..... 2000..	3 280 374	1
	..... 1999..	2 998 250	1
	..... 1998..	2 860 769	1
	..... 1997..	2 941 370	X
333415C	Warm air furnaces, including duct furnaces and humidifiers, and electric comfort heating equipment@ ..... 2001..	2 027 891	2
	..... 2000..	1 941 506	2
	..... 1999..	2 047 380	2
	..... 1998..	2 096 604	2
	..... 1997..	1 939 242	X
333415D	Parts and accessories for air-conditioning and heat transfer equipment..... 2001..	2 022 765	5
	..... 2000..	1 991 736	4
	..... 1999..	2 005 587	4
	..... 1998..	2 110 762	3
	..... 1997..	1 986 124	X
333415E	Unitary air-conditioners, except air source heat pumps@ ..... 2001..	5 723 830	4
	..... 2000..	5 849 162	3
	..... 1999..	5 499 886	3
	..... 1998..	4 795 248	1
	..... 1997..	4 364 840	X
333415F	Air source heat pumps, except room air-conditioners@ ..... 2001..	1 001 490	3
	..... 2000..	940 672	3
	..... 1999..	1 014 319	3
	..... 1998..	1 027 279	1
	..... 1997..	1 025 549	X
333415G	Ground and ground water source heat pumps@ ..... 2001..	170 970	21
	..... 2000..	174 209	21
	..... 1999..	128 722	7
	..... 1998..	102 279	10
	..... 1997..	88 501	X
333415W	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing, nsk, total ..... 2001..	511 325	5
	..... 2000..	586 958	3
	..... 1999..	511 706	8
	..... 1998..	443 827	8
	..... 1997..	321 783	X
333511	Industrial molds ..... 2001..	5 224 354	3
	..... 2000..	5 823 377	3
	..... 1999..	5 707 892	2
	..... 1998..	5 634 712	2
	..... 1997..	5 715 142	X
3335110	Industrial molds and mold boxes ..... 2001..	5 224 354	3
	..... 2000..	5 823 377	3
	..... 1999..	5 707 892	2
	..... 1998..	5 634 712	2
	..... 1997..	5 715 142	X
333512	Machine tools, metal cutting types ..... 2001..	3 556 663	4
	..... 2000..	4 277 915	3
	..... 1999..	4 076 521	3
	..... 1998..	4 421 632	2
	..... 1997..	4 737 311	X
3335121	Metal gear cutting machines ..... 2001..	130 814	2
	..... 2000..	164 151	2
	..... 1999..	133 416	10
	..... 1998..	132 992	7
	..... 1997..	181 261	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
333512	Machine tools, metal cutting types—Con. Metal grinding, polishing, buffing, honing, and lapping machines, except gear-tooth grinding, lapping, polishing, and buffing@ .....	2001..	11
3335122		2000..	8
		1999..	9
		1998..	6
		1997..	X
		608 104	
		837 077	
		601 902	
		491 226	
		596 877	
3335123	Metal lathes (turning machines) numerically and nonnumerically controlled@ .....	2001..	27
		2000..	14
		1999..	15
		1998..	1
		1997..	X
		204 705	
		266 718	
		266 079	
		433 138	
		489 775	
3335124	Metal milling machines (excluding machining centers)@ .....	2001..	9
		2000..	7
		1999..	5
		1998..	5
		1997..	X
		133 005	
		199 426	
		252 387	
		351 452	
		350 026	
3335125	Machine tools designed primarily for home workshops, labs, garages, etc. (metalworking and primarily metalworking) .....	2001..	31
		2000..	31
		1999..	31
		1998..	1
		1997..	X
		97 643	
		91 259	
		86 913	
		47 630	
		54 937	
3335126	Parts for metal cutting machine tools (sold separately) and rebuilt metal cutting machine tools .....	2001..	8
		2000..	7
		1999..	6
		1998..	5
		1997..	X
		622 077	
		670 300	
		662 110	
		684 255	
		714 118	
3335127	Metal machining centers (multifunction numerically controlled machines)@ .....	2001..	10
		2000..	6
		1999..	5
		1998..	7
		1997..	X
		507 983	
		610 538	
		642 038	
		894 615	
		932 619	
3335128	Metal station type machines@ .....	2001..	12
		2000..	9
		1999..	4
		1998..	11
		1997..	X
		433 292	
		491 468	
		449 002	
		416 582	
		543 289	
3335129	Other metal cutting machine tools (except those designed primarily for home workshops, laboratories, garages, etc.)@ .....	2001..	9
		2000..	12
		1999..	10
		1998..	8
		1997..	X
		484 797	
		609 535	
		628 729	
		540 692	
		450 333	
333512A	Metal boring machines (excluding machining centers) and drilling machines (excluding machining centers)@ .....	2001..	23
		2000..	23
		1999..	17
		1998..	16
		1997..	X
		151 427	
		145 255	
		163 956	
		215 325	
		238 185	
333512W	Machine tool (metal cutting types) manufacturing, nsk, total .....	2001..	22
		2000..	21
		1999..	22
		1998..	10
		1997..	X
		182 816	
		192 189	
		189 989	
		213 724	
		185 891	
333513	Machine tools, metal forming types .....	2001..	5
		2000..	4
		1999..	4
		1998..	3
		1997..	X
		1 383 006	
		1 767 761	
		1 861 191	
		2 099 758	
		2 183 182	
3335131	Metal punching and shearing machines (including power and manual) and bending and forming machines (power only)@ .....	2001..	6
		2000..	5
		1999..	5
		1998..	8
		1997..	X
		408 193	
		535 412	
		509 447	
		559 827	
		601 050	
3335133	Metalworking presses (except forging and die-stamping presses)@ .....	2001..	10
		2000..	7
		1999..	8
		1998..	3
		1997..	X
		200 781	
		372 569	
		499 818	
		418 398	
		431 087	
3335135	Other metal forming machine tools, including forging and die-stamping machines (except metalworking presses)@ .....	2001..	9
		2000..	7
		1999..	5
		1998..	7
		1997..	X
		335 859	
		495 515	
		499 625	
		630 772	
		590 966	
3335137	Parts for metal forming machine tools (sold separately) and rebuilt metal forming machine tools .....	2001..	21
		2000..	15
		1999..	11
		1998..	3
		1997..	X
		194 814	
		268 111	
		267 866	
		419 312	
		488 719	
333513W	Machine tools, metal forming types, nsk, total .....	2001..	8
		2000..	26
		1999..	25
		1998..	21
		1997..	X
		243 360	
		96 154	
		84 434	
		71 449	
		71 360	

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
333514	Special dies, tools, jigs, and fixtures .....	2001..	8 035 586	3
		2000..	9 413 777	3
		1999..	9 148 859	2
		1998..	8 962 494	2
		1997..	8 783 065	X
3335140	Special dies and tools, die sets, jigs, and fixtures .....	2001..	8 035 586	3
		2000..	9 413 777	3
		1999..	9 148 859	2
		1998..	8 962 494	2
		1997..	8 783 065	X
333515	Cutting tool and machine tool accessories .....	2001..	4 161 609	3
		2000..	4 843 282	3
		1999..	4 715 994	3
		1998..	5 263 992	3
		1997..	5 001 706	X
3335151	Small cutting tools for machine tools and metalworking machinery .....	2001..	2 888 969	3
		2000..	3 370 133	3
		1999..	3 294 533	2
		1998..	3 299 341	3
		1997..	3 253 414	X
3335153	Other attachments and accessories for machine tools and metalworking machinery .....	2001..	912 524	6
		2000..	1 088 287	6
		1999..	1 026 018	5
		1998..	1 219 276	9
		1997..	1 085 230	X
333515W	Machine tool accessories, nsk, total .....	2001..	360 116	21
		2000..	384 862	19
		1999..	395 443	18
		1998..	745 375	3
		1997..	663 062	X
333516	Rolling mill machinery .....	2001..	537 624	12
		2000..	586 777	12
		1999..	445 806	6
		1998..	615 406	5
		1997..	666 294	X
3335161	Hot rolling mill machinery (including combination hot and cold) (except tube rolling) .....	2001..	126 736	10
		2000..	128 274	8
		1999..	83 212	10
		1998..	183 101	1
		1997..	181 403	X
3335163	Cold rolling mill machinery .....	2001..	84 233	28
		2000..	88 392	25
		1999..	64 131	6
		1998..	89 875	4
		1997..	95 007	X
3335165	Other rolling mill machinery (including tube mill machinery) and parts for all rolling mill machinery .....	2001..	311 999	19
		2000..	351 970	19
		1999..	273 522	10
		1998..	295 690	9
		1997..	348 676	X
333516W	Rolling mill machinery, nsk, total .....	2001..	14 657	34
		2000..	18 140	28
		1999..	24 942	20
		1998..	46 740	4
		1997..	41 208	X
333518	Metalworking machinery, nec .....	2001..	3 268 042	6
		2000..	3 373 721	4
		1999..	3 378 015	3
		1998..	3 205 569	4
		1997..	3 199 715	X
3335181	Assembly machines .....	2001..	2 324 085	8
		2000..	2 277 727	4
		1999..	2 259 143	4
		1998..	2 071 695	5
		1997..	2 010 605	X
3335183	Other metalworking machinery (except handheld and ultrasonic) .....	2001..	776 537	7
		2000..	913 820	8
		1999..	922 348	6
		1998..	877 824	5
		1997..	868 597	X
333518W	Metalworking machinery, nec, nsk, total .....	2001..	167 420	24
		2000..	182 175	22
		1999..	196 524	20
		1998..	256 051	10
		1997..	320 513	X
333611	Turbines, and turbine generators, and turbine generator sets .....	2001..	11 206 749	1
		2000..	7 807 072	2
		1999..	6 788 142	3
		1998..	6 909 613	1
		1997..	6 594 972	X
3336110	Turbine generator sets, turbines, turbine generators, and parts .....	2001..	11 206 749	1
		2000..	7 807 072	2
		1999..	6 788 142	3
		1998..	6 909 613	1
		1997..	6 594 972	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
333612	Speed changers, drives and gears .....	2001..	4
		2000..	6
		1999..	4
		1998..	2
		1997..	X
3336123	Loose gearing, including gears, pinions, racks, and worms, sold separately .....	2001..	9
		2000..	13
		1999..	10
		1998..	4
		1997..	X
3336127	Speed changers and industrial high-speed drives, and parts other than loose gearing .....	2001..	5
		2000..	5
		1999..	4
		1998..	2
		1997..	X
333612W	Speed changers, industrial high-speed drives, and gears, nsk .....	2001..	26
		2000..	27
		1999..	21
		1998..	16
		1997..	X
333613	Power transmission equipment, nec .....	2001..	5
		2000..	6
		1999..	6
		1998..	3
		1997..	X
3336131	Plain bearings and bushings .....	2001..	8
		2000..	9
		1999..	4
		1998..	3
		1997..	X
3336133	Mechanical power transmission equipment, except speed changers, drives, and gears, nec .....	2001..	6
		2000..	7
		1999..	7
		1998..	3
		1997..	X
333613W	Power transmission equipment, nec, nsk, total .....	2001..	36
		2000..	38
		1999..	79
		1998..	A
		1997..	X
333618	Other engine equipment .....	2001..	2
		2000..	2
		1999..	1
		1998..	1
		1997..	X
3336181	Gasoline and gas-gasoline engines (except aircraft, automobile, highway truck, bus, tank, and outboard marine)@ .....	2001..	2
		2000..	2
		1999..	1
		1998..	1
		1997..	X
3336183	Diesel, semidiesel, and dual-fuel engines (except automobile, highway truck, bus, and tank)@ .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3336185	Diesel, semidiesel, and dual-fuel engines for automobiles, highway trucks, and buses@ .....	2001..	5
		2000..	4
		1999..	2
		1998..	1
		1997..	X
3336187	Electrical outboard motors .....	2001..	X
		2000..	X
		1999..	X
		1998..	X
		1997..	X
3336189	Piston-type natural gas engines, including LPG engines (excluding gas turbines)@ .....	2001..	7
		2000..	7
		1999..	5
		1998..	1
		1997..	X
333618A	Tank (except gas turbine) and converted internal combustion engines .....	2001..	X
		2000..	X
		1999..	X
		1998..	X
		1997..	X
333618F	Parts and accessories for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines .....	2001..	5
		2000..	6
		1999..	6
		1998..	1
		1997..	X
333618W	Other engine equipment manufacturing, nsk, total .....	2001..	24
		2000..	15
		1999..	16
		1998..	24
		1997..	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
333911	Pumps and pumping equipment .....	2001..	4
		2000..	3
		1999..	2
		1998..	3
		1997..	X
3339111	Pumps (except packaged, hand, automotive circulating, locomotive, hydraulic fluid power, measuring and dispensing, industrial spraying etc.)@ .....	2001..	4
		2000..	4
		1999..	2
		1998..	4
		1997..	X
3339115	Parts and attachments for pumps and pumping equipment (except for hydraulic, fluid power, and air and gas compressors)@ .....	2001..	6
		2000..	4
		1999..	4
		1998..	6
		1997..	X
333911W	Pump and pumping equipment manufacturing, nsk, total .....	2001..	34
		2000..	35
		1999..	25
		1998..	39
		1997..	X
333912	Air and gas compressors .....	2001..	6
		2000..	4
		1999..	3
		1998..	6
		1997..	X
3339121	Air and gas compressors and vacuum pumps@ .....	2001..	8
		2000..	5
		1999..	3
		1998..	1
		1997..	X
3339125	Parts and attachments for air and gas compressors (except for refrigeration, ice making, and air-conditioning equipment), and packaged compressors@ .....	2001..	3
		2000..	3
		1999..	5
		1998..	1
		1997..	X
3339127	Industrial spraying equipment .....	2001..	10
		2000..	11
		1999..	9
		1998..	12
		1997..	X
333912W	Air and gas compressors, nsk, total .....	2001..	64
		2000..	55
		1999..	24
		1998..	X
		1997..	X
333913	Measuring and dispensing pumps .....	2001..	7
		2000..	5
		1999..	2
		1998..	1
		1997..	X
3339130	Measuring and dispensing pumps .....	2001..	7
		2000..	5
		1999..	2
		1998..	1
		1997..	X
333921	Elevators and moving stairways .....	2001..	3
		2000..	3
		1999..	3
		1998..	5
		1997..	X
3339211	Elevators and moving stairways .....	2001..	4
		2000..	3
		1999..	3
		1998..	7
		1997..	X
3339213	Parts and attachments for elevators and moving stairways (sold separately) .....	2001..	11
		2000..	9
		1999..	9
		1998..	3
		1997..	X
333921W	Elevators and moving stairways, nsk, total .....	2001..	15
		2000..	22
		1999..	10
		1998..	6
		1997..	X
333922	Conveyors and conveying equipment .....	2001..	4
		2000..	3
		1999..	3
		1998..	3
		1997..	X
3339221	Unit handling conveyors and conveying systems, except hoists and farm elevators .....	2001..	4
		2000..	4
		1999..	3
		1998..	4
		1997..	X
3339223	Parts, attachments, and accessories for unit handling conveyors and conveying systems (sold separately) .....	2001..	17
		2000..	15
		1999..	13
		1998..	9
		1997..	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
333922	Conveyors and conveying equipment—Con.		
3339227	Bulk material handling conveyors and conveying systems, except hoists and farm elevators . . . . .	2001.. 1 482 518	7
		2000.. 1 665 479	6
		1999.. 1 542 280	6
		1998.. 1 587 755	9
		1997.. 1 503 160	X
3339229	Parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately) . . . . .	2001.. 644 593	8
		2000.. 671 068	9
		1999.. 621 510	9
		1998.. 509 411	5
		1997.. 474 250	X
333922W	Conveyors and conveying equipment, nsk, total . . . . .	2001.. 285 186	25
		2000.. 287 876	23
		1999.. 299 790	23
		1998.. 566 132	6
		1997.. 488 501	X
333923	Hoists, cranes, and monorails . . . . .	2001.. 4 382 320	4
		2000.. 4 834 193	3
		1999.. 4 520 411	3
		1998.. 3 381 501	3
		1997.. 3 210 279	X
3339231	Hoists . . . . .	2001.. 630 613	9
		2000.. 693 783	7
		1999.. 601 888	5
		1998.. 652 331	7
		1997.. 552 502	X
3339233	Overhead traveling cranes and monorail systems . . . . .	2001.. 568 991	12
		2000.. 656 688	10
		1999.. 696 835	8
		1998.. 636 963	1
		1997.. 559 834	X
3339237	Winches, aerial work platforms, and automotive wrecker hoists@ . . . . .	2001.. 3 063 433	4
		2000.. 3 306 665	4
		1999.. 3 062 949	4
		1998.. 1 909 896	4
		1997.. 1 949 579	X
333923W	Hoists, cranes, and monorails, nsk, total . . . . .	2001.. 119 283	46
		2000.. 177 057	33
		1999.. 158 739	37
		1998.. 182 311	13
		1997.. 148 364	X
333924	Industrial trucks and tractors . . . . .	2001.. 4 829 142	3
		2000.. 5 570 279	2
		1999.. 5 257 965	2
		1998.. 5 911 091	1
		1997.. 5 284 833	X
3339241	Industrial trucks, tractors, mobile straddle carriers and cranes, and automatic stacking machines . . . . .	2001.. 3 621 937	3
		2000.. 4 260 749	2
		1999.. 3 910 658	2
		1998.. 4 504 851	1
		1997.. 3 977 839	X
3339243	Parts and attachments for industrial trucks and tractors (sold separately) . . . . .	2001.. 1 045 092	5
		2000.. 1 137 301	5
		1999.. 1 128 936	6
		1998.. 1 066 474	2
		1997.. 989 542	X
333924W	Industrial trucks and tractors, nsk, total . . . . .	2001.. 162 113	35
		2000.. 172 229	33
		1999.. 218 371	23
		1998.. 339 766	6
		1997.. 317 452	X
333991	Power-driven hand tools . . . . .	2001.. 3 401 872	3
		2000.. 4 045 932	2
		1999.. 4 015 645	2
		1998.. 3 927 040	1
		1997.. 3 403 639	X
3339911	Power-driven handtools, pneumatic, hydraulic, and power-actuated . . . . .	2001.. 1 131 998	5
		2000.. 1 227 280	3
		1999.. 1 133 008	4
		1998.. 992 781	1
		1997.. 953 256	X
3339913	Power-driven handtools, engine (internal combustion) driven . . . . .	2001.. 181 842	19
		2000.. 165 395	16
		1999.. 217 887	10
		1998.. 132 645	1
		1997.. 230 306	X
3339917	Power-driven handtools, battery-powered (cordless) . . . . .	2001.. 532 705	1
		2000.. 751 115	1
		1999.. 728 776	1
		1998.. 641 245	1
		1997.. 493 947	X
3339919	Power-driven handtools, electric (excluding battery-powered) . . . . .	2001.. 1 533 238	5
		2000.. 1 878 371	3
		1999.. 1 820 967	2
		1998.. 1 879 353	1
		1997.. 1 597 763	X
333991W	Power-driven handtools, nsk, total . . . . .	2001.. 22 090	A
		2000.. 23 771	93
		1999.. 115 006	17
		1998.. 281 017	1
		1997.. 128 367	X

See footnotes at end of table.



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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
333992	Welding and soldering equipment .....	2001..	3 219 066	3
		2000..	3 524 988	3
		1999..	3 728 008	3
		1998..	4 120 368	3
		1997..	4 127 329	X
3339921	Arc welding machines, components, and accessories (except electrodes), excluding stud welding equipment.....	2001..	1 092 994	2
		2000..	1 190 132	1
		1999..	1 158 534	2
		1998..	1 425 178	6
		1997..	1 418 821	X
3339923	Arc welding electrodes, metal .....	2001..	941 323	5
		2000..	995 866	6
		1999..	1 269 833	4
		1998..	1 262 003	2
		1997..	1 204 369	X
3339927	Resistance welders, components, accessories, and electrodes.....	2001..	298 091	14
		2000..	319 840	13
		1999..	344 427	12
		1998..	333 239	3
		1997..	428 290	X
3339929	Gas welding and cutting equipment, parts, attachments, and accessories .....	2001..	297 772	10
		2000..	364 667	8
		1999..	309 685	8
		1998..	331 377	1
		1997..	330 193	X
333992A	Other welding equipment, components, and accessories (excluding arc, resistance, and gas) .....	2001..	431 537	14
		2000..	553 344	10
		1999..	477 602	7
		1998..	559 680	5
		1997..	512 679	X
333992W	Welding and soldering equipment manufacturing, nsk, total .....	2001..	157 350	29
		2000..	101 139	45
		1999..	167 927	26
		1998..	208 890	14
		1997..	232 977	X
333993	Packaging machinery .....	2001..	3 942 442	4
		2000..	4 202 255	3
		1999..	4 119 641	3
		1998..	4 285 917	3
		1997..	4 339 309	X
3339931	Packing, packaging, and bottling machinery, except parts .....	2001..	3 208 278	4
		2000..	3 468 385	3
		1999..	3 215 795	2
		1998..	3 345 201	4
		1997..	3 515 923	X
3339935	Parts for packing, packaging, and bottling machinery .....	2001..	648 672	5
		2000..	669 165	4
		1999..	705 735	4
		1998..	607 310	7
		1997..	566 412	X
333993W	Packaging machinery, nsk, total .....	2001..	85 492	83
		2000..	64 706	A
		1999..	198 112	40
		1998..	333 407	6
		1997..	256 974	X
333994	Industrial furnaces and ovens .....	2001..	2 229 494	5
		2000..	2 479 290	4
		1999..	2 449 059	4
		1998..	2 749 039	2
		1997..	2 861 613	X
3339940	Industrial furnaces and ovens, and electric industrial heating equipment .....	2001..	2 229 494	5
		2000..	2 479 290	4
		1999..	2 449 059	4
		1998..	2 749 039	2
		1997..	2 861 613	X
333995	Fluid power cylinders and actuators .....	2001..	3 271 387	4
		2000..	3 447 532	3
		1999..	3 374 542	2
		1998..	3 321 666	2
		1997..	3 175 231	X
3339951	Nonaerospace type hydraulic fluid power cylinders and actuators, linear and rotary@ .....	2001..	1 133 306	8
		2000..	1 254 889	6
		1999..	1 234 248	3
		1998..	1 421 560	3
		1997..	1 382 036	X
3339953	Nonaerospace type pneumatic fluid power cylinders and actuators, linear and rotary@ .....	2001..	445 284	7
		2000..	495 470	6
		1999..	509 176	3
		1998..	449 089	5
		1997..	491 260	X
3339955	Parts for hydraulic and pneumatic fluid power cylinders and actuators, including accumulators, cushions, etc.@ .....	2001..	387 070	10
		2000..	445 541	10
		1999..	388 299	6
		1998..	342 666	7
		1997..	303 995	X
3339957	Aerospace type fluid power cylinders and actuators, hydraulic and pneumatic@ .....	2001..	1 047 825	3
		2000..	1 011 847	3
		1999..	951 063	2
		1998..	971 653	1
		1997..	900 549	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
333995	Fluid power cylinders and actuators—Con.		
333995W	Fluid power cylinders and actuators, nsk, total .....	2001.. 257 902	17
		2000.. 239 785	12
		1999.. 291 756	8
		1998.. 136 697	6
		1997.. 97 391	X
333996	Fluid power pumps and motors .....	2001.. 2 087 906	6
		2000.. 2 484 215	5
		1999.. 2 423 453	4
		1998.. 2 654 411	2
		1997.. 2 606 309	X
3339961	Nonaerospace type reciprocating fluid power pumps@ .....	2001.. 611 317	6
		2000.. 694 724	2
		1999.. 532 215	2
		1998.. 637 785	10
		1997.. 661 302	X
3339963	Nonaerospace type rotary and other fluid power pumps@ .....	2001.. 330 375	3
		2000.. 415 095	2
		1999.. 460 109	1
		1998.. 495 962	2
		1997.. 501 080	X
3339965	Nonaerospace type fluid power motors@ .....	2001.. 430 772	13
		2000.. 515 596	11
		1999.. 602 236	2
		1998.. 582 432	1
		1997.. 541 994	X
3339967	Aerospace type fluid power pumps and motors@ .....	2001.. 226 689	17
		2000.. 247 197	15
		1999.. 223 051	16
		1998.. 254 571	4
		1997.. 221 735	X
3339969	Parts for fluid power pumps, motors, and hydrostatic transmissions@ .....	2001.. 412 130	21
		2000.. 523 773	19
		1999.. 521 456	17
		1998.. 493 317	1
		1997.. 502 056	X
333996W	Fluid power pumps and motors, nsk, total .....	2001.. 76 624	23
		2000.. 87 831	21
		1999.. 84 386	21
		1998.. 190 344	3
		1997.. 178 142	X
333997	Scales and balances, except laboratory .....	2001.. 628 780	11
		2000.. 658 058	10
		1999.. 653 178	8
		1998.. 615 737	3
		1997.. 619 837	X
3339971	Vehicle and industrial scales .....	2001.. 288 104	8
		2000.. 309 393	7
		1999.. 319 416	7
		1998.. 311 469	6
		1997.. 331 007	X
3339973	Retail, commercial, household, and mailing scales .....	2001.. 244 155	27
		2000.. 230 692	25
		1999.. 215 317	20
		1998.. 141 135	4
		1997.. 154 067	X
3339975	Parts, attachments, and accessories for scales and balances, except laboratory .....	2001.. 72 537	18
		2000.. 87 727	14
		1999.. 84 087	15
		1998.. 113 485	4
		1997.. 102 781	X
333997W	Scales and balances, except laboratory, nsk, total .....	2001.. 23 984	13
		2000.. 30 246	12
		1999.. 34 358	10
		1998.. 49 649	3
		1997.. 31 982	X
333999	All other general purpose machinery .....	2001.. 8 427 823	2
		2000.. 8 969 165	2
		1999.. 8 083 086	2
		1998.. 7 907 721	2
		1997.. 7 908 202	X
3339991	Filters and strainers, except fluid power .....	2001.. 2 108 138	3
		2000.. 2 189 846	3
		1999.. 1 882 214	3
		1998.. 2 077 987	6
		1997.. 1 985 617	X
3339993	Filters for hydraulic fluid power systems, nonaerospace@ .....	2001.. 322 390	15
		2000.. 318 939	17
		1999.. 327 126	15
		1998.. 322 569	9
		1997.. 252 305	X
3339994	Filters for pneumatic fluid power systems, nonaerospace@ .....	2001.. 130 444	10
		2000.. 135 947	10
		1999.. 124 482	10
		1998.. 131 643	20
		1997.. 137 737	X
3339996	Filters for hydraulic and pneumatic fluid power systems, aerospace@ .....	2001.. 86 786	1
		2000.. 90 609	1
		1999.. 71 233	1
		1998.. 114 802	6
		1997.. 121 694	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
333999	All other general purpose machinery—Con.			
3339998	General industrial machinery, nec@	2001..	3 636 750	4
		2000..	3 953 818	3
		1999..	3 859 569	3
		1998..	3 400 044	2
		1997..	3 700 308	X
3339999	Miscellaneous machinery products, except electrical, nec	2001..	893 468	10
		2000..	992 017	8
		1999..	997 949	8
		1998..	772 509	13
		1997..	835 758	X
333999W	All other general purpose machinery, nsk, total	2001..	1 249 848	8
		2000..	1 287 990	8
		1999..	820 513	10
		1998..	1 068 167	2
		1997..	874 783	X
334111	Electronic computers	2001..	50 827 541	1
		2000..	64 077 775	1
		1999..	63 231 226	1
		1998..	58 953 342	1
		1997..	54 871 866	X
3341111	Host computers, multiusers (mainframes, super computers, medium scale systems, UNIX servers, pc servers)@	2001..	17 233 425	1
		2000..	23 023 514	1
		1999..	19 855 690	1
		1998..	15 238 543	1
		1997..	16 584 553	X
3341117	Single user computers, microprocessor-based, capable of supporting attached peripherals (personal computers, workstations, portable computers)@	2001..	31 877 416	1
		2000..	39 108 883	1
		1999..	42 049 230	1
		1998..	41 140 203	1
		1997..	34 599 552	X
334111D	Other computers, (array, analog, hybrid, or special-use computers)@	2001..	585 432	1
		2000..	987 113	1
		1999..	858 108	1
		1998..	605 668	1
		1997..	1 012 286	X
334111W	Electronic computers, nsk, total	2001..	1 131 268	6
		2000..	958 265	4
		1999..	468 198	5
		1998..	1 968 928	1
		1997..	2 675 475	X
334112	Computer storage devices	2001..	10 665 823	3
		2000..	11 323 936	2
		1999..	11 867 882	2
		1998..	12 381 502	1
		1997..	13 228 758	X
3341121	Computer storage devices (except parts, attachments, and accessories)@	2001..	8 309 969	4
		2000..	9 513 667	2
		1999..	9 298 068	2
		1998..	9 582 183	1
		1997..	10 406 775	X
3341124	Parts, attachments, and accessories for computer storage devices@	2001..	1 638 412	4
		2000..	1 581 525	4
		1999..	2 363 479	2
		1998..	2 360 804	1
		1997..	2 340 307	X
334112W	Computer storage devices, nsk, total	2001..	717 442	13
		2000..	228 744	45
		1999..	206 335	37
		1998..	438 514	2
		1997..	481 676	X
334113	Computer terminals	2001..	713 205	11
		2000..	647 382	8
		1999..	1 013 653	10
		1998..	1 055 269	7
		1997..	1 522 712	X
3341131	Computer terminals (excluding point-of-sale and funds-transfer devices and parts, attachments, and accessories)@	2001..	511 069	9
		2000..	418 319	3
		1999..	612 544	7
		1998..	672 257	12
		1997..	1 086 746	X
3341134	Parts, attachments, and accessories for computer terminals (excluding point-of-sale and funds-transfer devices)@	2001..	116 904	37
		2000..	77 582	20
		1999..	235 761	32
		1998..	183 426	1
		1997..	190 902	X
334113W	Computer terminals, nsk, total	2001..	85 232	51
		2000..	151 482	31
		1999..	165 348	31
		1998..	199 586	5
		1997..	245 064	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
334119	Other computer peripheral equipment.....	2001..	17 776 113	3
		2000..	18 986 233	3
		1999..	20 218 470	3
		1998..	19 462 592	2
		1997..	21 662 541	X
3341191	Computer peripheral (input-output) equipment, nec, except parts, attachments, and accessories@ ...	2001..	11 731 377	3
		2000..	12 693 199	3
		1999..	13 957 479	2
		1998..	13 362 360	1
		1997..	15 657 143	X
3341194	Parts, attachments, and accessories for computer peripheral (input-output) equipment, nec@ .....	2001..	2 412 122	7
		2000..	3 008 172	11
		1999..	2 796 442	11
		1998..	2 626 540	3
		1997..	2 914 383	X
3341197	Point-of-sale terminals and funds-transfer devices@ .....	2001..	1 141 332	3
		2000..	949 794	4
		1999..	857 730	7
		1998..	1 112 156	3
		1997..	1 635 769	X
334119D	Parts and attachments for point-of-sale terminals and funds-transfer devices .....	2001..	124 982	13
		2000..	135 287	19
		1999..	139 489	15
		1998..	175 756	4
		1997..	170 816	X
334119W	Other computer peripheral equipment, nsk, total .....	2001..	2 366 301	12
		2000..	2 199 781	12
		1999..	2 467 330	11
		1998..	2 185 779	16
		1997..	1 284 430	X
334210	Telephone switching, carrier, line telegraph, and data communications equipment .....	2001..	49 191 504	5
		2000..	58 787 605	3
		1999..	48 843 999	2
		1998..	40 270 959	1
		1997..	37 288 172	X
3342101	Telephone switching and switchboard equipment@ .....	2001..	11 988 078	3
		2000..	14 265 323	3
		1999..	13 203 596	3
		1998..	12 464 315	1
		1997..	10 491 799	X
3342104	Telephone and telegraph apparatus, carrier line equipment, and nonconsumer modems, including auxiliary sets@ .....	2001..	10 975 488	10
		2000..	15 732 127	11
		1999..	10 681 839	7
		1998..	8 446 564	1
		1997..	7 461 823	X
3342107	All other telephone-telegraph (wire) and data communications apparatus, including telephone sets, telephone answering, and fax machines@ .....	2001..	23 577 321	8
		2000..	27 453 395	2
		1999..	24 691 800	3
		1998..	19 046 381	1
		1997..	19 081 252	X
334210W	Telephone apparatus, nsk, total .....	2001..	2 650 617	6
		2000..	1 336 760	3
		1999..	266 763	14
		1998..	313 698	4
		1997..	253 298	X
334220	Communication systems and broadcast and studio equipment .....	2001..	43 861 783	2
		2000..	50 285 503	2
		1999..	39 953 483	1
		1998..	38 054 638	1
		1997..	37 354 675	X
3342201	Communication systems and equipment, except broadcast, but including microwave equipment, and space satellites@ .....	2001..	36 354 475	2
		2000..	42 131 487	2
		1999..	33 985 139	1
		1998..	32 132 599	1
		1997..	30 899 871	X
3342203	Broadcast, studio, and related electronic equipment@ .....	2001..	3 429 502	6
		2000..	4 388 821	8
		1999..	3 914 935	5
		1998..	3 600 003	2
		1997..	4 194 422	X
3342207	Microwave components and devices, except antennae, tubes, and semiconductors@ .....	2001..	1 916 907	10
		2000..	2 517 738	14
		1999..	1 590 255	15
		1998..	1 789 596	6
		1997..	1 833 898	X
334220W	Radio and television broadcasting and wireless communications equipment, nsk, total .....	2001..	2 160 900	10
		2000..	1 247 457	4
		1999..	463 155	11
		1998..	532 440	1
		1997..	426 484	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
334290	Alarm systems, traffic control equipment, and intercommunication and paging systems .....	2001..	4 636 356	5
		2000..	3 997 875	3
		1999..	3 917 613	2
		1998..	3 605 740	2
		1997..	3 498 852	X
3342901	Alarm systems, including electric sirens and horns@ .....	2001..	2 563 588	7
		2000..	2 309 560	3
		1999..	2 312 456	3
		1998..	2 158 948	2
		1997..	2 056 111	X
3342902	Vehicular and pedestrian traffic control equipment, electric railway signals and attachments@ .....	2001..	1 097 808	4
		2000..	957 049	5
		1999..	980 802	4
		1998..	963 383	4
		1997..	1 003 415	X
3342903	Intercommunications systems, including inductive paging systems (selective paging), except telephone and telegraph@ .....	2001..	335 492	11
		2000..	430 625	8
		1999..	414 787	7
		1998..	301 076	4
		1997..	291 751	X
334290W	Other communications equipment, nec, nsk, total .....	2001..	639 469	19
		2000..	300 641	11
		1999..	209 568	16
		1998..	182 334	3
		1997..	147 575	X
334310	Radios, television receivers, hi-fidelity components, and speakers .....	2001..	8 385 072	5
		2000..	9 009 011	4
		1999..	8 734 939	3
		1998..	8 732 919	2
		1997..	8 465 285	X
3343101	Home, portable, and automobile radios and radio-phonograph-tape recorder-compact disc combinations@ .....	2001..	1 118 335	9
		2000..	1 049 378	9
		1999..	994 405	8
		1998..	963 673	7
		1997..	992 601	X
3343102	Television receivers, including combination models@ .....	2001..	3 313 744	8
		2000..	3 969 086	6
		1999..	4 038 521	4
		1998..	4 221 471	3
		1997..	4 375 014	X
3343103	Other consumer audio and video equipment, including audio and video recorders and players, camcorders@ .....	2001..	1 648 454	11
		2000..	1 633 487	11
		1999..	1 023 629	10
		1998..	803 190	15
		1997..	706 191	X
3343104	Speakers, including loudspeaker systems and loudspeakers sold separately, and commercial sound equipment@ .....	2001..	1 894 171	15
		2000..	2 066 070	11
		1999..	2 436 084	7
		1998..	2 415 652	4
		1997..	2 156 074	X
334310W	Audio and video equipment, nsk, total .....	2001..	410 369	12
		2000..	290 990	7
		1999..	242 300	8
		1998..	328 934	2
		1997..	235 405	X
334411	Electron tubes .....	2001..	3 303 343	1
		2000..	3 899 771	1
		1999..	4 032 565	1
		1998..	4 203 753	1
		1997..	4 219 906	X
3344111	Transmittal, industrial, and special-purpose electron tubes (except x-ray)@ .....	2001..	627 242	2
		2000..	560 423	2
		1999..	638 195	2
		1998..	596 622	1
		1997..	577 989	X
3344114	Receiving-type electron tubes, including cathode ray (new and rebuilt)@ .....	2001..	2 492 104	1
		2000..	3 129 926	1
		1999..	3 189 427	1
		1998..	3 386 012	1
		1997..	3 394 462	X
3344117	Electron tube parts@ .....	2001..	95 153	5
		2000..	127 226	9
		1999..	117 874	4
		1998..	154 956	1
		1997..	156 671	X
334411W	Electron tubes, nsk, total .....	2001..	88 844	1
		2000..	82 196	1
		1999..	87 070	1
		1998..	66 164	19
		1997..	90 784	X
334412	Printed circuit boards .....	2001..	9 756 903	3
		2000..	12 884 342	3
		1999..	10 173 392	4
		1998..	9 665 102	2
		1997..	8 724 756	X
3344120	Printed circuit (wiring) boards@ .....	2001..	9 756 903	3
		2000..	12 884 342	3
		1999..	10 173 392	4
		1998..	9 665 102	2
		1997..	8 724 756	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
334413	Semiconductors and related devices .....	2001..	5
		2000..	2
		1999..	1
		1998..	1
		1997..	X
3344131	Integrated microcircuits, including semiconductor networks, microprocessors, and MOS memories@ .....	2001..	6
		2000..	2
		1999..	1
		1998..	1
		1997..	X
3344134	Transistors@ .....	2001..	1
		2000..	3
		1999..	3
		1998..	13
		1997..	X
3344137	Diodes and rectifiers@ .....	2001..	5
		2000..	7
		1999..	9
		1998..	6
		1997..	X
334413A	Other semiconductor devices, including semiconductor parts, such as chips, wafers, and heat sinks@ .....	2001..	8
		2000..	7
		1999..	5
		1998..	3
		1997..	X
334413W	Semiconductors and related devices, nsk, total .....	2001..	6
		2000..	7
		1999..	12
		1998..	8
		1997..	X
334414	Electronic capacitors .....	2001..	7
		2000..	2
		1999..	3
		1998..	1
		1997..	X
3344140	Capacitors for electronic circuitry@ .....	2001..	7
		2000..	2
		1999..	3
		1998..	1
		1997..	X
334415	Electronic resistors .....	2001..	4
		2000..	4
		1999..	3
		1998..	4
		1997..	X
3344150	Resistors for electronic circuitry@ .....	2001..	4
		2000..	4
		1999..	3
		1998..	4
		1997..	X
334416	Electronic coils, transformers, and other inductors .....	2001..	5
		2000..	5
		1999..	4
		1998..	6
		1997..	X
3344160	Electronic coils, transformers, and other inductors@ .....	2001..	5
		2000..	5
		1999..	4
		1998..	6
		1997..	X
334417	Electronic connectors .....	2001..	5
		2000..	3
		1999..	4
		1998..	1
		1997..	X
3344171	Coaxial (RF) connectors for electronic circuitry@ .....	2001..	7
		2000..	6
		1999..	4
		1998..	2
		1997..	X
3344174	Cylindrical connectors for electronic circuitry@ .....	2001..	4
		2000..	2
		1999..	1
		1998..	3
		1997..	X
3344177	Rack and panel (rectangular) connectors for electronic circuitry@ .....	2001..	23
		2000..	14
		1999..	5
		1998..	1
		1997..	X
334417A	Printed circuit connectors for electronic circuitry@ .....	2001..	7
		2000..	5
		1999..	6
		1998..	1
		1997..	X
334417D	Other connectors for electronic circuitry, including parts@ .....	2001..	13
		2000..	9
		1999..	9
		1998..	1
		1997..	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
334417	Electronic connectors—Con.		
334417W	Connectors for electronic circuitry, nsk, total .....	2001.. 249 216	13
		2000.. 254 532	13
		1999.. 244 050	17
		1998.. 306 985	4
		1997.. 277 719	X
334418	Printed circuits and electronics subassemblies .....	2001.. 29 920 875	5
		2000.. 35 235 546	4
		1999.. 30 475 541	4
		1998.. 26 312 020	1
		1997.. 28 544 444	X
3344184	Printed circuit, electronic assemblies@ .....	2001.. 451 195	15
		2000.. 529 805	18
		1999.. 493 147	8
		1998.. 1 025 441	3
		1997.. 990 981	X
334418A	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)@ .....	2001.. 28 497 719	6
		2000.. 33 363 804	5
		1999.. 29 513 811	4
		1998.. 24 955 589	1
		1997.. 27 006 877	X
334418W	Printed circuit, electronic assemblies, nsk .....	2001.. 971 960	12
		2000.. 1 341 938	9
		1999.. 468 583	25
		1998.. 330 990	22
		1997.. 546 586	X
334419	Other electronic components .....	2001.. 10 258 452	4
		2000.. 11 955 540	4
		1999.. 11 032 755	3
		1998.. 10 483 879	2
		1997.. 10 574 874	X
3344191	Crystals, filters, piezoelectric, and other related electronic devices, except microwave filters@ .....	2001.. 1 089 431	7
		2000.. 1 301 204	6
		1999.. 1 133 426	4
		1998.. 1 027 307	5
		1997.. 964 480	X
3344194	Transducers, electrical-electronic input or output, nec@ .....	2001.. 1 419 931	9
		2000.. 1 411 546	9
		1999.. 1 230 064	4
		1998.. 1 366 951	1
		1997.. 1 261 240	X
3344197	Switches, mechanical, for electronic circuitry@ .....	2001.. 870 554	7
		2000.. 1 029 469	7
		1999.. 823 129	10
		1998.. 771 866	5
		1997.. 822 899	X
334419D	Electronic components, nec@ .....	2001.. 5 681 713	5
		2000.. 7 093 653	5
		1999.. 6 819 354	5
		1998.. 6 187 946	2
		1997.. 6 050 266	X
334419W	Other electronic components, nsk .....	2001.. 1 196 823	11
		2000.. 1 119 668	12
		1999.. 1 026 782	12
		1998.. 1 129 810	7
		1997.. 1 475 989	X
334510	Electromedical and electrotherapeutic apparatus .....	2001.. 12 574 450	2
		2000.. 12 071 698	2
		1999.. 11 303 641	1
		1998.. 11 266 603	1
		1997.. 10 424 529	X
3345101	Electromedical equipment (diagnostic, therapeutic, patient monitoring, etc.), excluding ionizing radiation equipment and hearing aids@ .....	2001.. 11 381 329	2
		2000.. 11 055 339	2
		1999.. 10 437 200	1
		1998.. 10 341 151	1
		1997.. 9 414 822	X
3345103	Electronic hearing aids, complete units .....	2001.. 813 498	15
		2000.. 626 796	5
		1999.. 569 984	4
		1998.. 594 361	1
		1997.. 585 336	X
334510W	Electromedical and electrotherapeutic apparatus, nsk, total .....	2001.. 379 623	13
		2000.. 389 563	13
		1999.. 296 457	17
		1998.. 331 092	18
		1997.. 424 371	X
334511	Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments .....	2001.. 32 192 070	1
		2000.. 30 364 560	1
		1999.. 29 759 964	1
		1998.. 29 978 674	1
		1997.. 29 806 887	X
3345111	Aeronautical, nautical, and navigational instruments, not sending or receiving radio signals, except engine instruments@ .....	2001.. 3 044 151	5
		2000.. 2 707 310	5
		1999.. 2 855 456	3
		1998.. 2 586 829	1
		1997.. 2 651 069	X
3345113	Search, detection, navigation, and guidance systems and equipment@ .....	2001.. 28 796 786	1
		2000.. 27 330 611	1
		1999.. 26 524 613	1
		1998.. 26 867 502	1
		1997.. 26 748 331	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
334511	Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments—Con.		
334511W	Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments, nsk, total .....	2001.. 351 133	31
		2000.. 326 639	33
		1999.. 379 895	27
		1998.. 524 342	5
		1997.. 407 487	X
334512	Environmental controls .....	2001.. 2 890 693	4
		2000.. 3 262 760	3
		1999.. 3 033 918	3
		1998.. 3 044 868	3
		1997.. 2 935 423	X
3345120	Automatic environmental controls for monitoring and regulating residential and commercial environments and appliances@ .....	2001.. 2 890 693	4
		2000.. 3 262 760	3
		1999.. 3 033 918	3
		1998.. 3 044 868	3
		1997.. 2 935 423	X
334513	Process control instruments .....	2001.. 7 286 453	3
		2000.. 7 652 575	2
		1999.. 7 312 584	2
		1998.. 7 255 870	3
		1997.. 7 234 887	X
3345130	Process control instruments@ .....	2001.. 7 286 453	3
		2000.. 7 652 575	2
		1999.. 7 312 584	2
		1998.. 7 255 870	3
		1997.. 7 234 887	X
334514	Totalizing fluid meters and counting devices .....	2001.. 4 665 186	5
		2000.. 4 945 855	5
		1999.. 4 613 590	2
		1998.. 4 219 521	1
		1997.. 4 064 209	X
3345141	Integrating and totalizing meters for gas and liquids@ .....	2001.. 1 146 423	4
		2000.. 1 111 308	4
		1999.. 1 108 267	4
		1998.. 1 184 682	1
		1997.. 1 185 328	X
3345143	Counting devices, excluding motor vehicle instruments@ .....	2001.. 464 043	5
		2000.. 549 119	5
		1999.. 481 910	7
		1998.. 442 103	1
		1997.. 407 153	X
3345145	Motor vehicle instruments@ .....	2001.. 2 937 877	7
		2000.. 3 170 827	7
		1999.. 2 888 893	3
		1998.. 2 401 225	1
		1997.. 2 300 471	X
334514W	Totalizing fluid meters and counting devices, nsk, total .....	2001.. 116 843	17
		2000.. 114 601	18
		1999.. 134 519	11
		1998.. 191 511	1
		1997.. 171 257	X
334515	Instruments to measure electricity .....	2001.. 11 933 806	3
		2000.. 15 074 029	3
		1999.. 12 653 408	2
		1998.. 12 283 648	2
		1997.. 13 033 372	X
3345151	Electrical integrating instruments@ .....	2001.. 517 750	3
		2000.. 510 214	4
		1999.. 498 834	4
		1998.. 495 487	1
		1997.. 484 671	X
3345153	Test equipment for testing electrical, radio and communication circuits, and motors, except portable instrument transformers@ .....	2001.. 10 336 132	3
		2000.. 13 493 100	4
		1999.. 11 147 234	2
		1998.. 10 684 750	2
		1997.. 11 253 180	X
3345155	Other instruments to measure electricity@ .....	2001.. 389 859	12
		2000.. 426 561	12
		1999.. 397 958	9
		1998.. 380 324	10
		1997.. 486 394	X
334515W	Instruments to measure electricity, nsk, total .....	2001.. 690 064	19
		2000.. 644 154	20
		1999.. 609 382	20
		1998.. 723 087	6
		1997.. 809 127	X
334516	Analytical laboratory instruments .....	2001.. 7 485 288	3
		2000.. 6 710 447	3
		1999.. 6 544 837	2
		1998.. 6 182 505	1
		1997.. 6 140 026	X
3345160	Analytical and scientific instruments, except optical@ .....	2001.. 7 485 288	3
		2000.. 6 710 447	3
		1999.. 6 544 837	2
		1998.. 6 182 505	1
		1997.. 6 140 026	X

See footnotes at end of table.



**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
334517	Irradiation apparatus .....	2001..	4 236 994	3
		2000..	4 077 537	3
		1999..	3 623 332	3
		1998..	3 581 067	1
		1997..	3 393 643	X
3345170	Irradiation (ionizing radiation) equipment, including x-ray, beta ray, gamma ray, and nuclear@ .....	2001..	4 236 994	3
		2000..	4 077 537	3
		1999..	3 623 332	3
		1998..	3 581 067	1
		1997..	3 393 643	X
334518	Watches, clocks, and parts .....	2001..	723 324	7
		2000..	784 337	7
		1999..	850 736	4
		1998..	793 773	2
		1997..	751 060	X
3345181	Watches, watchcases, movements or modules, and watch parts .....	2001..	50 245	25
		2000..	76 435	24
		1999..	76 410	19
		1998..	86 886	2
		1997..	86 289	X
3345183	Clocks, timing mechanisms, time recording and time stamp devices, time switches, clock movements, clock cases, and parts .....	2001..	584 716	9
		2000..	656 339	7
		1999..	742 223	4
		1998..	663 398	3
		1997..	628 565	X
334518W	Watches, clocks, and parts, nsk, total .....	2001..	88 363	10
		2000..	51 563	17
		1999..	32 104	31
		1998..	43 488	15
		1997..	36 206	X
334519	Measuring and controlling devices, nec .....	2001..	5 198 976	3
		2000..	5 277 063	3
		1999..	4 931 621	3
		1998..	5 197 329	2
		1997..	5 004 377	X
3345191	Aircraft engine instruments, except flight@ .....	2001..	894 527	4
		2000..	795 768	3
		1999..	656 590	2
		1998..	671 628	4
		1997..	511 927	X
3345193	Physical properties testing and inspection equipment and kinematic testing and measuring equipment@ .....	2001..	1 783 443	5
		2000..	1 930 019	5
		1999..	1 788 203	6
		1998..	1 694 679	2
		1997..	1 576 885	X
3345195	Nuclear radiation detection and monitoring instruments@ .....	2001..	533 208	7
		2000..	536 100	7
		1999..	523 245	6
		1998..	579 110	2
		1997..	502 142	X
3345197	Commercial, geophysical, meteorological, and general-purpose instruments and equipment, except medical thermometers@ .....	2001..	1 202 267	9
		2000..	1 170 421	7
		1999..	1 126 750	6
		1998..	1 339 436	4
		1997..	1 543 851	X
3345199	Survey and drafting instruments and apparatus, including photogrammetric equipment@ .....	2001..	276 346	6
		2000..	326 028	5
		1999..	308 571	5
		1998..	300 245	6
		1997..	344 853	X
334519W	Other measuring and controlling devices, nsk, total .....	2001..	509 186	17
		2000..	518 727	17
		1999..	528 262	15
		1998..	612 232	9
		1997..	524 719	X
334611	Software reproducing .....	2001..	534 172	21
		2000..	600 323	18
		1999..	606 970	15
		1998..	1 746 314	9
		1997..	1 350 212	X
3346110	Software reproducing .....	2001..	534 172	21
		2000..	600 323	18
		1999..	606 970	15
		1998..	1 746 314	9
		1997..	1 350 212	X
334612	Prerecorded compact discs, except software, tapes, and records .....	2001..	4 159 277	6
		2000..	4 435 176	5
		1999..	4 023 360	4
		1998..	4 144 817	1
		1997..	3 702 377	X
3346120	Prerecorded compact disc (except software), tape, and record reproducing .....	2001..	4 159 277	6
		2000..	4 435 176	5
		1999..	4 023 360	4
		1998..	4 144 817	1
		1997..	3 702 377	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
334613	Unrecorded magnetic and optical discs and tapes .....	2001..	8
		2000..	5
		1999..	3
		1998..	1
		1997..	X
3346130	Magnetic and optical recording media, unrecorded@ .....	2001..	8
		2000..	5
		1999..	3
		1998..	1
		1997..	X
335110	Electric lamp bulbs and parts .....	2001..	7
		2000..	4
		1999..	5
		1998..	1
		1997..	X
3351101	Electric lamp bulbs and tubes (including sealed beam lamp bulbs) .....	2001..	7
		2000..	5
		1999..	5
		1998..	1
		1997..	X
3351103	Electric lamp (bulbs and tubes) components (bases, supports, lead-ins, filaments, etc., but excluding lamp bulb blanks) .....	2001..	4
		2000..	4
		1999..	3
		1998..	2
		1997..	X
335110W	Electric lamps (bulbs and tubes), nsk, total .....	2001..	1
		2000..	1
		1999..	2
		1998..	15
		1997..	X
335121	Residential electric lighting fixtures .....	2001..	6
		2000..	5
		1999..	7
		1998..	2
		1997..	X
3351211	Residential-type electric lighting fixtures (except portable), including parts and accessories@ .....	2001..	5
		2000..	6
		1999..	10
		1998..	3
		1997..	X
3351213	Residential-type portable lighting fixtures, including parts and accessories .....	2001..	15
		2000..	11
		1999..	8
		1998..	4
		1997..	X
335121W	Residential electric lighting fixture manufacturing, nsk, total .....	2001..	21
		2000..	16
		1999..	19
		1998..	2
		1997..	X
335122	Commercial, industrial, and institutional electric lighting fixtures .....	2001..	4
		2000..	4
		1999..	4
		1998..	1
		1997..	X
3351221	Commercial and institutional-type electric lighting fixtures, including parts and accessories@ .....	2001..	4
		2000..	4
		1999..	5
		1998..	2
		1997..	X
3351222	Industrial-type electric lighting fixtures, including parts and accessories@ .....	2001..	14
		2000..	9
		1999..	6
		1998..	3
		1997..	X
335122W	Commercial, industrial, and institutional electric lighting fixtures, nsk, total .....	2001..	4
		2000..	11
		1999..	11
		1998..	3
		1997..	X
335129	Lighting equipment, nec .....	2001..	3
		2000..	3
		1999..	2
		1998..	5
		1997..	X
3351291	Outdoor lighting equipment (including parts and accessories)@ .....	2001..	3
		2000..	3
		1999..	2
		1998..	5
		1997..	X
3351293	Electric and nonelectric lighting equipment, nec, including hand portable, parts, and accessories .....	2001..	6
		2000..	7
		1999..	5
		1998..	10
		1997..	X
335129W	Lighting equipment, nec, nsk, total .....	2001..	10
		2000..	7
		1999..	10
		1998..	5
		1997..	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
335211	Electric housewares and household fans .....	2001..	12
		2000..	11
		1999..	9
		1998..	5
		1997..	X
3352111	Electric fans, except industrial-type@ .....	2001..	22
		2000..	19
		1999..	18
		1998..	4
		1997..	X
3352113	Small electric household appliances, except fans and wall and baseboard heating units for permanent installation@ .....	2001..	16
		2000..	14
		1999..	10
		1998..	3
		1997..	X
3352115	Parts and attachments for small household electric appliances@ .....	2001..	8
		2000..	8
		1999..	6
		1998..	69
		1997..	X
335211W	Electric housewares and fans, nsk, total .....	2001..	58
		2000..	61
		1999..	A
		1998..	40
		1997..	X
335212	Household vacuum cleaners .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3352121	Household vacuum cleaners .....	2001..	X
		2000..	X
		1999..	X
		1998..	X
		1997..	X
3352122	Floor waxing and floor polishing machines and parts .....	2001..	X
		2000..	X
		1999..	X
		1998..	X
		1997..	X
335212W	Household vacuum cleaners, including parts and attachments .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
335221	Household ranges and cooking appliances .....	2001..	2
		2000..	1
		1999..	1
		1998..	7
		1997..	X
3352211	Electric household cooking equipment, including microwave, ranges, ovens, surface cooking units and equipment@ .....	2001..	3
		2000..	1
		1999..	1
		1998..	2
		1997..	X
3352213	Gas household ranges, ovens, surface cooking units, and equipment, including parts and accessories@ .....	2001..	4
		2000..	3
		1999..	2
		1998..	25
		1997..	X
3352215	Other household ranges and cooking equipment@ .....	2001..	2
		2000..	2
		1999..	2
		1998..	2
		1997..	X
335221W	Household cooking equipment, nsk, total .....	2001..	19
		2000..	7
		1999..	14
		1998..	1
		1997..	X
335222	Household refrigerators, freezers, parts and attachments .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3352221	Household refrigerators, including combination refrigerator-freezers@ .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3352222	Food freezers, complete units, household-type@ .....	2001..	1
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3352223	Parts and attachments for household refrigerators and freezers (excluding compressors, condensing units, and ice making machines)@ .....	2001..	17
		2000..	16
		1999..	16
		1998..	2
		1997..	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
335222	Household refrigerators, freezers, parts and attachments—Con.		
335222W	Household refrigerators and freezers, nsk, total	2001.. 7 290	1
		2000.. 6 177	1
		1999.. 7 137	1
		1998.. 6 913	1
		1997.. 5 182	X
335224	Household laundry equipment	2001.. 4 548 882	1
		2000.. 4 419 534	1
		1999.. 4 364 644	1
		1998.. 4 248 905	1
		1997.. 3 710 478	X
3352240	Household laundry machines, including both coin-and noncoin-operated washing machines, dryers, combinations and parts@	2001.. 4 548 882	1
		2000.. 4 419 534	1
		1999.. 4 364 644	1
		1998.. 4 248 905	1
		1997.. 3 710 478	X
335228	Other major household appliances	2001.. 3 258 064	5
		2000.. 3 424 650	4
		1999.. 3 167 597	3
		1998.. 2 898 508	1
		1997.. 2 898 327	X
3352281	Household water heaters, electric, for permanent installation@	2001.. 502 101	1
		2000.. 544 823	1
		1999.. 559 764	1
		1998.. 564 548	1
		1997.. 548 477	X
3352283	Household water heaters, except electric@	2001.. 735 150	7
		2000.. 763 908	6
		1999.. 769 135	4
		1998.. 730 712	1
		1997.. 756 280	X
3352285	Household appliances and parts, nec@	2001.. 2 018 335	7
		2000.. 2 114 650	6
		1999.. 1 837 145	5
		1998.. 1 585 862	1
		1997.. 1 590 977	X
335228W	Household appliances, nec, nsk, total	2001.. 2 478	1
		2000.. 1 268	1
		1999.. 1 553	1
		1998.. 17 387	55
		1997.. 2 593	X
335311	Power, distribution, and specialty transformers	2001.. 4 794 066	3
		2000.. 5 141 828	4
		1999.. 4 744 104	2
		1998.. 4 620 058	3
		1997.. 4 683 558	X
3353111	Power and distribution transformers, except parts	2001.. 2 409 103	4
		2000.. 2 572 459	4
		1999.. 2 390 457	3
		1998.. 2 338 945	3
		1997.. 2 220 179	X
3353113	Specialty transformers, except fluorescent lamp ballasts	2001.. 391 346	3
		2000.. 428 543	3
		1999.. 400 688	1
		1998.. 424 664	4
		1997.. 511 903	X
3353115	Fluorescent lamp ballasts@	2001.. 843 646	1
		2000.. 893 772	1
		1999.. 921 317	1
		1998.. 935 633	1
		1997.. 968 909	X
3353117	Commercial, institutional, and industrial general-purpose transformers, all voltages	2001.. 180 855	11
		2000.. 221 153	10
		1999.. 297 683	2
		1998.. 280 724	15
		1997.. 303 791	X
3353119	Power regulators, boosters, and other transformers and parts for all transformers	2001.. 794 819	11
		2000.. 863 907	19
		1999.. 577 335	6
		1998.. 490 062	20
		1997.. 514 466	X
335311W	Transformers, except electronic, nsk, total	2001.. 174 297	7
		2000.. 161 994	7
		1999.. 156 623	8
		1998.. 150 029	8
		1997.. 164 310	X
335312	Motors and generators	2001.. 9 955 440	5
		2000.. 10 617 490	4
		1999.. 11 356 226	2
		1998.. 12 145 336	2
		1997.. 11 911 618	X
3353121	Fractional horsepower motors (rated at less than 746 watts) (excluding hermetics)@	2001.. 3 232 644	3
		2000.. 3 599 424	2
		1999.. 3 948 012	3
		1998.. 5 157 762	1
		1997.. 5 178 561	X
3353123	Integral horsepower motors and generators other than for land transportation equipment (rated at 746 watts or more)@	2001.. 1 630 705	2
		2000.. 1 850 925	2
		1999.. 2 121 461	2
		1998.. 2 024 488	12
		1997.. 2 245 671	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
335312	Motors and generators—Con.		
3353125	Land transportation motors, generators, and control equipment, excluding parts . . . . .	2001.. 237 086	8
		2000.. 234 628	7
		1999.. 314 623	1
		1998.. 350 638	1
		1997.. 332 612	X
3353127	Prime mover generator sets, except steam or hydraulic turbine@ . . . . .	2001.. 2 697 417	19
		2000.. 2 717 070	16
		1999.. 2 622 505	3
		1998.. 2 131 729	1
		1997.. 1 648 488	X
3353129	Fractional motor generator sets and other rotating equipment, including hermetics@ . . . . .	2001.. 462 875	12
		2000.. 469 812	9
		1999.. 562 125	17
		1998.. 476 290	1
		1997.. 502 708	X
335312A	Integral motor generator sets and other rotating equipment, including hermetics@ . . . . .	2001.. 449 052	6
		2000.. 495 571	6
		1999.. 491 160	7
		1998.. 557 272	2
		1997.. 618 360	X
335312C	Parts, supplies for motors, generators, generator sets, and other rotating equipment, excluding motors for built-in jobs@ . . . . .	2001.. 625 490	8
		2000.. 660 769	7
		1999.. 682 149	5
		1998.. 691 513	4
		1997.. 679 835	X
335312E	Armature rewinding on a factory basis (excluding custom repair shop rewinding) . . . . .	2001.. 108 952	39
		2000.. 113 914	35
		1999.. 144 466	14
		1998.. 107 962	15
		1997.. 113 707	X
335312W	Motors and generators, nsk, total . . . . .	2001.. 511 218	13
		2000.. 475 377	14
		1999.. 469 725	14
		1998.. 647 683	6
		1997.. 591 676	X
335313	Switchgear and switchboard apparatus . . . . .	2001.. 8 203 086	2
		2000.. 8 892 089	2
		1999.. 8 193 394	1
		1998.. 7 698 384	1
		1997.. 7 353 591	X
3353131	Power circuit breakers, all voltages@ . . . . .	2001.. 707 104	16
		2000.. 680 063	13
		1999.. 570 204	11
		1998.. 554 390	2
		1997.. 532 302	X
3353133	Low voltage panelboards and distribution boards and other switching and interrupting devices, 1000 volts or less@ . . . . .	2001.. 2 623 296	3
		2000.. 2 926 843	2
		1999.. 2 637 164	2
		1998.. 2 426 298	1
		1997.. 2 331 111	X
3353135	Fuses and fuse equipment, less than 2300 volts, except power distribution cut-outs@ . . . . .	2001.. 517 633	2
		2000.. 616 872	2
		1999.. 613 556	2
		1998.. 575 667	1
		1997.. 562 221	X
3353137	Molded case circuit breakers, 1000 volts or less@ . . . . .	2001.. 1 411 293	1
		2000.. 1 645 846	1
		1999.. 1 586 956	1
		1998.. 1 342 110	1
		1997.. 1 294 712	X
3353139	Duct, including plug-in units and accessories, 1000 volts or less@ . . . . .	2001.. 247 299	8
		2000.. 320 932	5
		1999.. 315 301	5
		1998.. 309 781	2
		1997.. 291 157	X
335313A	Switchgear, except ducts and relays@ . . . . .	2001.. 2 377 943	3
		2000.. 2 352 049	3
		1999.. 2 146 367	2
		1998.. 2 004 624	2
		1997.. 1 956 370	X
335313W	Switchgear and switchboard apparatus, nsk, total . . . . .	2001.. 318 519	16
		2000.. 349 484	14
		1999.. 323 846	10
		1998.. 485 514	1
		1997.. 385 718	X
335314	Relays and industrial controls . . . . .	2001.. 9 296 636	2
		2000.. 10 447 302	2
		1999.. 10 672 215	2
		1998.. 10 825 132	1
		1997.. 10 915 290	X
3353141	Relays for electronic circuitry, industrial control, overload, and switchgear type@ . . . . .	2001.. 893 827	12
		2000.. 1 024 265	12
		1999.. 895 513	12
		1998.. 1 001 843	4
		1997.. 971 104	X
3353143	Specific-purpose industrial controls@ . . . . .	2001.. 3 367 319	3
		2000.. 3 465 956	3
		1999.. 3 662 223	2
		1998.. 3 628 267	2
		1997.. 3 772 940	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
335314	Relays and industrial controls—Con.		
3353145	General-purpose industrial controls@ .....	2001.. 3 922 563	2
		2000.. 4 706 842	2
		1999.. 4 746 807	2
		1998.. 4 706 937	1
		1997.. 4 776 653	X
3353147	Parts for industrial controls and motor-control accessories@ .....	2001.. 527 260	7
		2000.. 647 405	8
		1999.. 652 524	7
		1998.. 648 617	5
		1997.. 640 320	X
335314W	Relays and industrial controls, nsk, total .....	2001.. 585 667	15
		2000.. 602 836	15
		1999.. 615 148	14
		1998.. 839 469	3
		1997.. 754 273	X
335911	Storage batteries .....	2001.. 3 980 826	3
		2000.. 4 765 043	3
		1999.. 4 724 432	3
		1998.. 4 079 611	1
		1997.. 4 290 400	X
3359111	Storage batteries, lead acid type, Battery Council International dimensional size group 8D (1.5 cu ft or .042 cu m and smaller) .....	2001.. 2 487 299	5
		2000.. 3 107 966	5
		1999.. 3 225 644	5
		1998.. 2 764 832	1
		1997.. 2 857 009	X
3359114	Storage batteries, lead acid type, larger than Battery Council International dimensional size group 8D (1.5 cu ft or .042 cu m and smaller) .....	2001.. 1 165 396	3
		2000.. 1 211 073	2
		1999.. 1 035 709	1
		1998.. 945 396	1
		1997.. 946 840	X
3359117	Storage batteries, except lead acid, including parts for all storage batteries .....	2001.. 248 643	10
		2000.. 367 360	8
		1999.. 387 142	4
		1998.. 321 514	7
		1997.. 384 917	X
335911W	Storage batteries, nsk, total .....	2001.. 79 489	1
		2000.. 78 644	1
		1999.. 75 938	1
		1998.. 47 869	29
		1997.. 101 634	X
335912	Primary batteries .....	2001.. 2 746 382	2
		2000.. 2 904 399	2
		1999.. 2 793 393	1
		1998.. 2 657 657	1
		1997.. 2 494 671	X
3359120	Primary batteries .....	2001.. 2 746 382	2
		2000.. 2 904 399	2
		1999.. 2 793 393	1
		1998.. 2 657 657	1
		1997.. 2 494 671	X
335921	Fiber optic cable .....	2001.. 4 235 456	6
		2000.. 4 727 078	6
		1999.. 3 402 342	5
		1998.. 2 567 160	1
		1997.. 2 350 081	X
3359210	Fiber optic cable@ .....	2001.. 4 235 456	6
		2000.. 4 727 078	6
		1999.. 3 402 342	5
		1998.. 2 567 160	1
		1997.. 2 350 081	X
335929	Other communication & energy wire mfg. ....	2001.. 10 693 161	3
		2000.. 13 175 173	3
		1999.. 11 892 193	3
		1998.. 11 514 405	3
		1997.. 11 648 783	X
3359291	Power wire and cable, made in plants that draw wire@ .....	2001.. 1 763 670	12
		2000.. 1 924 455	14
		1999.. 1 763 081	14
		1998.. 1 237 904	24
		1997.. 1 597 305	X
335929A	Electronic wire and cable, made in plants that draw wire@ .....	2001.. 2 960 740	6
		2000.. 4 112 812	5
		1999.. 3 293 041	3
		1998.. 3 420 782	3
		1997.. 3 362 756	X
335929B	Telephone and telegraph wire and cable, made in plants that draw wire@ .....	2001.. 2 182 079	1
		2000.. 2 641 750	1
		1999.. 2 536 303	1
		1998.. 1 984 698	1
		1997.. 2 013 716	X
335929C	Control and signal wire and cable, made in plants that draw wire@ .....	2001.. 441 225	14
		2000.. 407 223	16
		1999.. 424 339	15
		1998.. 407 013	2
		1997.. 488 983	X
335929D	Building wire and cable, made in plants that draw wire@ .....	2001.. 2 042 319	5
		2000.. 2 483 463	3
		1999.. 2 583 944	1
		1998.. 2 644 978	1
		1997.. 2 675 449	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
335929	Other communication & energy wire mfg—Con.		
335929E	Other insulated wire and cable, including automotive, made in plants that draw wire@ .....	2001.. 807 315	15
		2000.. 928 558	14
		1999.. 922 876	13
		1998.. 1 032 375	9
		1997.. 1 237 837	X
335929W	Other communication & energy wire mfg, nsk, total .....	2001.. 495 813	19
		2000.. 676 912	12
		1999.. 368 610	17
		1998.. 786 656	11
		1997.. 272 737	X
335931	Current-carrying wiring devices .....	2001.. 5 734 552	3
		2000.. 6 256 806	4
		1999.. 6 132 400	4
		1998.. 6 365 819	3
		1997.. 5 819 728	X
3359311	Current-carrying lampholders@ .....	2001.. 161 547	11
		2000.. 184 860	10
		1999.. 176 458	6
		1998.. 167 702	15
		1997.. 194 736	X
3359313	Current-carrying general- and special-purpose convenience and power outlets (excluding pin-and-sleeve type)@ .....	2001.. 406 129	2
		2000.. 425 306	3
		1999.. 444 161	3
		1998.. 434 255	1
		1997.. 460 810	X
3359315	Current-carrying switches for electrical circuitry (including vehicular switches)@ .....	2001.. 1 649 468	5
		2000.. 1 892 039	4
		1999.. 1 954 857	4
		1998.. 2 070 069	3
		1997.. 1 900 735	X
3359317	Current-carrying metal contacts, including precious metal .....	2001.. 193 964	7
		2000.. 249 450	5
		1999.. 257 525	6
		1998.. 225 493	1
		1997.. 221 032	X
3359319	Current-carrying wire connectors for electrical circuitry@ .....	2001.. 1 441 078	2
		2000.. 1 611 712	3
		1999.. 1 585 547	3
		1998.. 1 733 085	3
		1997.. 1 614 835	X
335931A	Other current-carrying wiring devices, nec (attachments, plug caps, connector bodies, lighting arrestors, power outlets, etc.)@ .....	2001.. 1 618 840	11
		2000.. 1 648 667	12
		1999.. 1 563 293	13
		1998.. 1 422 343	10
		1997.. 1 185 619	X
335931W	Current-carrying wiring devices, nsk, total .....	2001.. 263 526	10
		2000.. 244 771	13
		1999.. 150 560	18
		1998.. 312 872	6
		1997.. 241 961	X
335932	Noncurrent-carrying wiring devices .....	2001.. 4 590 137	5
		2000.. 4 996 981	4
		1999.. 4 805 556	5
		1998.. 4 590 105	2
		1997.. 4 417 374	X
3359321	Noncurrent-carrying pole and transmission line hardware@ .....	2001.. 900 539	2
		2000.. 959 013	2
		1999.. 895 109	1
		1998.. 879 385	3
		1997.. 857 666	X
3359323	Noncurrent-carrying electrical conduit and conduit fittings, including plastics conduit and conduit fittings@ .....	2001.. 1 763 624	3
		2000.. 1 999 375	3
		1999.. 2 005 810	3
		1998.. 2 089 000	1
		1997.. 2 057 217	X
3359325	Other noncurrent-carrying wiring devices and supplies (boxes, covers, bar hangers, etc.)@ .....	2001.. 1 851 985	12
		2000.. 1 972 723	10
		1999.. 1 836 773	11
		1998.. 1 545 811	4
		1997.. 1 434 950	X
335932W	Noncurrent-carrying wiring devices, nsk, total .....	2001.. 73 991	7
		2000.. 65 871	8
		1999.. 67 863	8
		1998.. 75 910	1
		1997.. 67 541	X
335991	Carbon and graphite products .....	2001.. 1 614 565	3
		2000.. 1 858 030	3
		1999.. 1 942 341	2
		1998.. 2 163 817	1
		1997.. 2 202 666	X
3359911	Carbon and graphite electrodes for electric furnaces and electrolytic cell use .....	2001.. 766 344	3
		2000.. 920 835	2
		1999.. 958 598	2
		1998.. 1 028 194	2
		1997.. 1 032 727	X
3359913	All other carbon and graphite products .....	2001.. 786 042	6
		2000.. 871 122	6
		1999.. 929 181	3
		1998.. 1 056 549	2
		1997.. 1 092 155	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
335991	Carbon and graphite products—Con.		
335991W	Carbon and graphite products, nsk, total .....	2001.. 62 179	18
		2000.. 66 073	21
		1999.. 54 563	6
		1998.. 79 073	1
		1997.. 77 784	X
335999	Electrical equipment and components, nec .....	2001.. 7 172 428	3
		2000.. 8 361 399	3
		1999.. 7 014 946	3
		1998.. 7 043 027	3
		1997.. 6 760 387	X
3359991	Capacitors for industrial use (except for electronic circuitry) .....	2001.. 240 643	7
		2000.. 334 676	5
		1999.. 332 948	1
		1998.. 317 883	1
		1997.. 299 541	X
3359993	Rectifying apparatus .....	2001.. 1 778 382	10
		2000.. 2 786 178	7
		1999.. 2 125 111	8
		1998.. 1 887 708	5
		1997.. 1 790 911	X
3359995	Other electrical equipment for industrial use, except for electronic circuitry .....	2001.. 841 161	7
		2000.. 930 316	5
		1999.. 769 259	3
		1998.. 823 712	11
		1997.. 802 912	X
3359997	Laser generator power supplies and components@ .....	2001.. 1 182 221	3
		2000.. 1 419 747	1
		1999.. 1 057 883	1
		1998.. 1 091 273	X
		1997.. 1 076 329	3
3359999	All other laser systems and equipment .....	2001.. 244 540	36
		2000.. 130 117	15
		1999.. 141 597	7
		1998.. 144 221	3
		1997.. 145 221	X
335999A	Ultrasonic equipment (except medical and dental) .....	2001.. 227 731	8
		2000.. 254 745	8
		1999.. 204 796	7
		1998.. 222 530	6
		1997.. 223 878	X
335999B	All other apparatus wire and cordage manufactured from purchased insulated wire\$ .....	2001.. 432 635	6
		2000.. 494 992	19
		1999.. 450 995	12
		1998.. 312 074	24
		1997.. 348 154	X
335999C	Electronic systems and equipment, nec, including automatic garage door openers and amplifiers@ ...	2001.. 1 494 301	4
		2000.. 1 390 978	4
		1999.. 1 416 701	3
		1998.. 1 496 094	5
		1997.. 1 438 053	X
335999D	All other miscellaneous electrical equipment and components (except for industrial use), nec .....	2001.. 186 428	12
		2000.. 153 609	10
		1999.. 79 398	34
		1998.. 202 507	2
		1997.. 126 019	X
335999W	Other electrical equipment and components, nsk, total .....	2001.. 544 386	11
		2000.. 466 039	12
		1999.. 436 259	12
		1998.. 545 025	3
		1997.. 509 369	X
336111	Automobiles .....	2001.. 84 629 481	1
		2000.. 95 572 204	1
		1999.. 98 637 050	1
		1998.. 91 972 953	1
		1997.. 93 215 637	X
3361110	Complete passenger vehicles, knockdown or assembled, passenger car chassis, and nonarmored military automobiles .....	2001.. 84 629 481	1
		2000.. 95 572 204	1
		1999.. 98 637 050	1
		1998.. 91 972 953	1
		1997.. 93 215 637	X
336112	Light trucks and utility vehicles .....	2001.. 116 465 834	1
		2000.. 121 630 192	1
		1999.. 141 746 848	1
		1998.. 113 413 770	1
		1997.. 107 172 812	X
3361120	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,000 lb or less, including minivans and sport utility vehicles .....	2001.. 116 465 834	1
		2000.. 121 630 192	1
		1999.. 141 746 848	1
		1998.. 113 413 770	1
		1997.. 107 172 812	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
336120	Heavy duty trucks and buses .....	2001..	13 042 554	1
		2000..	20 066 674	1
		1999..	24 075 290	1
		1998..	21 455 364	1
		1997..	16 850 333	X
3361201	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,001 to 33,000 lb .....	2001..	3 880 789	1
		2000..	5 669 328	1
		1999..	7 727 517	1
		1998..	6 934 493	1
		1997..	4 158 870	X
3361202	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 33,001 lb or more .....	2001..	6 989 671	1
		2000..	12 154 136	1
		1999..	14 086 306	1
		1998..	12 790 267	1
		1997..	11 167 520	X
3361203	Buses, including military and firefighting vehicles (chassis of own manufacture) .....	2001..	2 043 811	2
		2000..	2 137 111	1
		1999..	2 157 157	1
		1998..	1 657 995	1
		1997..	1 449 208	X
336120W	Heavy-duty trucks, nsk, total .....	2001..	128 303	19
		2000..	106 099	1
		1999..	104 310	1
		1998..	72 609	1
		1997..	74 735	X
336211	MOTOR VEHICLES AND CAR BODIES .....	2001..	9 788 569	2
		2000..	9 840 878	2
		1999..	9 964 579	2
		1998..	9 141 256	3
		1997..	8 290 820	X
3362111	Truck, bus, and other vehicle bodies including passenger car bodies and kit cars for sale separately ..	2001..	6 446 626	2
		2000..	6 234 778	2
		1999..	6 339 801	2
		1998..	5 639 439	2
		1997..	5 138 280	X
3362113	Complete vehicles produced on purchased chassis .....	2001..	2 842 048	4
		2000..	3 140 782	4
		1999..	3 217 623	3
		1998..	2 812 457	10
		1997..	2 563 062	X
336211W	Motor vehicle body, nsk, total .....	2001..	499 895	15
		2000..	465 318	17
		1999..	407 156	18
		1998..	689 361	1
		1997..	589 478	X
336212	Truck trailers .....	2001..	4 290 274	3
		2000..	6 281 141	2
		1999..	6 652 133	2
		1998..	6 282 393	1
		1997..	5 282 354	X
3362121	Truck trailers and chassis, with axle rating of 10,000 lb or more@ .....	2001..	3 840 822	3
		2000..	5 810 307	2
		1999..	6 222 328	2
		1998..	5 577 884	1
		1997..	4 709 142	X
3362123	Truck trailers and chassis, with axle rating of less than 10,000 lb .....	2001..	300 106	22
		2000..	290 199	26
		1999..	281 050	16
		1998..	339 284	9
		1997..	271 283	X
336212W	Truck trailers, nsk, total .....	2001..	149 346	30
		2000..	180 635	24
		1999..	148 755	30
		1998..	365 225	9
		1997..	301 929	X
336213	Motor homes produced on purchased chassis .....	2001..	3 126 890	2
		2000..	3 971 349	2
		1999..	4 594 345	2
		1998..	4 151 318	1
		1997..	3 535 212	X
3362130	Motor homes built on purchased chassis .....	2001..	3 126 890	2
		2000..	3 971 349	2
		1999..	4 594 345	2
		1998..	4 151 318	1
		1997..	3 535 212	X
336214	Travel trailers and campers .....	2001..	5 919 796	8
		2000..	6 349 234	7
		1999..	6 042 785	5
		1998..	5 386 440	2
		1997..	4 702 096	X
3362141	Travel trailers .....	2001..	2 777 800	16
		2000..	2 855 547	14
		1999..	2 723 779	9
		1998..	2 495 960	4
		1997..	2 133 129	X
3362143	Automobile and light truck trailers .....	2001..	1 682 309	9
		2000..	1 877 070	6
		1999..	1 871 623	5
		1998..	1 569 555	3
		1997..	1 424 344	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
336214	Travel trailers and campers—Con.		
3362145	Camping trailers, campers, pickup covers, and parts .....	2001.. 1 012 162	7
		2000.. 1 139 153	6
		1999.. 1 106 629	6
		1998.. 956 436	5
		1997.. 852 400	X
336214W	Travel trailers and campers, nsk, total .....	2001.. 447 525	16
		2000.. 477 464	18
		1999.. 340 754	12
		1998.. 364 490	2
		1997.. 292 223	X
336311	Carburetors, pistons, piston rings and valves .....	2001.. 2 448 236	3
		2000.. 2 709 275	4
		1999.. 2 753 830	5
		1998.. 2 605 718	1
		1997.. 2 426 407	X
3363111	Carburetors, new and rebuilt (all types) .....	2001.. 866 721	4
		2000.. 911 011	3
		1999.. 964 847	2
		1998.. 973 430	1
		1997.. 935 569	X
3363113	Pistons, piston rings, and piston pins (engine) .....	2001.. 1 136 413	6
		2000.. 1 305 501	9
		1999.. 1 293 906	9
		1998.. 1 148 139	2
		1997.. 1 029 243	X
3363115	Valves (engine intake and exhaust) .....	2001.. 392 988	11
		2000.. 437 265	9
		1999.. 432 448	9
		1998.. 432 946	1
		1997.. 418 319	X
336311W	Carburetors, pistons, piston rings, and valves, nsk, total .....	2001.. 52 115	8
		2000.. 55 498	8
		1999.. 62 629	8
		1998.. 51 203	7
		1997.. 43 276	X
336312	Gasoline engines and engine parts .....	2001.. 26 155 049	1
		2000.. 27 985 003	1
		1999.. 28 166 229	1
		1998.. 25 828 323	1
		1997.. 25 382 008	X
3363121	Gasoline engines and gasoline engine parts for motor vehicles, new .....	2001.. 25 216 955	1
		2000.. 27 023 815	1
		1999.. 27 287 134	1
		1998.. 24 936 428	1
		1997.. 24 579 425	X
3363123	Gasoline engines and engine parts for motor vehicles, rebuilt .....	2001.. 621 906	19
		2000.. 622 788	13
		1999.. 535 690	11
		1998.. 454 736	5
		1997.. 420 049	X
336312W	Gasoline engine and engine parts, nsk, total .....	2001.. 316 188	4
		2000.. 338 401	4
		1999.. 343 404	4
		1998.. 437 159	1
		1997.. 382 534	X
336321	Vehicular lighting equipment .....	2001.. 2 323 356	3
		2000.. 2 659 489	2
		1999.. 2 837 205	1
		1998.. 2 555 484	1
		1997.. 2 724 873	X
3363210	Vehicular lighting equipment, electric (including parts and accessories) .....	2001.. 2 323 356	3
		2000.. 2 659 489	2
		1999.. 2 837 205	1
		1998.. 2 555 484	1
		1997.. 2 724 873	X
336322	Motor vehicle electrical and electronic equipment, nec .....	2001.. 17 382 930	7
		2000.. 19 906 896	8
		1999.. 20 684 945	7
		1998.. 16 939 702	1
		1997.. 15 692 440	X
3363221	Ignition harness and cable sets .....	2001.. 688 092	12
		2000.. 881 488	12
		1999.. 801 944	10
		1998.. 981 206	10
		1997.. 845 274	X
3363223	Battery charging alternators, generators, and regulators .....	2001.. 2 694 702	7
		2000.. 2 685 465	6
		1999.. 2 814 310	5
		1998.. 2 333 353	1
		1997.. 2 226 011	X
3363225	Cranking motors (starters) .....	2001.. 740 045	5
		2000.. 732 530	4
		1999.. 799 143	3
		1998.. 775 726	1
		1997.. 759 716	X
3363227	Spark plugs (all types) .....	2001.. 446 236	1
		2000.. 499 343	1
		1999.. 516 019	1
		1998.. 531 709	1
		1997.. 522 346	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
336322	Motor vehicle electrical and electronic equipment, nec—Con.		
3363229	Complete engine electrical equipment, nec .....	2001.. 3 507 297	1
		2000.. 3 913 399	1
		1999.. 4 100 211	1
		1998.. 3 647 202	1
		1997.. 3 163 388	X
336322A	Parts for engine electrical and electronic equipment .....	2001.. 414 057	12
		2000.. 726 846	7
		1999.. 508 024	10
		1998.. 347 463	13
		1997.. 446 452	X
336322C	Motor vehicle electrical and electronic equipment, except engine electrical equipment .....	2001.. 7 965 452	14
		2000.. 10 002 723	16
		1999.. 10 547 531	14
		1998.. 7 631 195	2
		1997.. 7 187 487	X
336322W	Motor vehicle electrical and electronic equipment, nsk, total .....	2001.. 927 048	7
		2000.. 465 102	14
		1999.. 597 765	11
		1998.. 691 849	1
		1997.. 541 766	X
336330	Motor vehicle steering and suspension components, except springs .....	2001.. 9 486 521	3
		2000.. 10 453 701	3
		1999.. 10 437 586	2
		1998.. 9 893 245	1
		1997.. 9 832 604	X
3363301	Motor vehicle steering and suspension components, new .....	2001.. 9 196 915	3
		2000.. 10 165 402	3
		1999.. 10 138 570	2
		1998.. 9 607 995	1
		1997.. 9 586 330	X
3363303	Motor vehicle steering and suspension components, rebuilt .....	2001.. 134 482	9
		2000.. 140 956	7
		1999.. 155 444	5
		1998.. 183 549	7
		1997.. 178 313	X
336330W	Motor vehicle steering and suspension components, nsk, total .....	2001.. 155 123	13
		2000.. 147 343	10
		1999.. 143 572	11
		1998.. 101 701	7
		1997.. 67 961	X
336340	Motor vehicle brake systems .....	2001.. 9 774 851	1
		2000.. 11 381 723	1
		1999.. 11 721 483	1
		1998.. 10 195 460	1
		1997.. 10 381 841	X
3363401	Motor vehicle brake parts and assemblies, new .....	2001.. 9 160 179	1
		2000.. 10 734 037	1
		1999.. 11 149 666	1
		1998.. 9 669 189	1
		1997.. 9 833 732	X
3363403	Motor vehicle brake parts and assemblies, rebuilt .....	2001.. 399 569	4
		2000.. 437 812	9
		1999.. 477 545	18
		1998.. 423 684	3
		1997.. 464 353	X
336340W	Motor vehicle brake systems, nsk, total .....	2001.. 215 103	7
		2000.. 209 874	6
		1999.. 94 272	14
		1998.. 102 586	4
		1997.. 83 756	X
336350	Motor vehicle transmissions and power train parts .....	2001.. 32 068 043	3
		2000.. 36 005 917	2
		1999.. 34 791 057	2
		1998.. 31 355 029	1
		1997.. 30 504 019	X
3363501	Motor vehicle drive train components, except wheels and brakes, new .....	2001.. 31 121 747	3
		2000.. 35 202 498	2
		1999.. 34 050 991	2
		1998.. 30 569 874	1
		1997.. 29 758 088	X
3363503	Motor vehicle drive train components, rebuilt .....	2001.. 699 947	20
		2000.. 560 050	5
		1999.. 496 079	16
		1998.. 550 821	5
		1997.. 529 550	X
336350W	Motor vehicle transmission and drive train part manufacturing, nsk, total .....	2001.. 246 349	8
		2000.. 243 369	8
		1999.. 243 986	8
		1998.. 234 334	7
		1997.. 216 381	X
336360	Motor vehicle fabric accessories and seats .....	2001.. 14 811 712	2
		2000.. 15 401 241	2
		1999.. 14 339 225	1
		1998.. 12 295 529	1
		1997.. 11 798 295	X
3363601	Automobile trimmings .....	2001.. 4 340 250	6
		2000.. 4 961 689	4
		1999.. 4 548 555	2
		1998.. 4 108 856	1
		1997.. 4 063 088	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
336360	Motor vehicle fabric accessories and seats—Con.		
3363602	Fabricated seat or safety belts, including shoulder harnesses (except leather) . . . . .	2001.. 1 325 321	1
		2000.. 1 261 976	4
		1999.. 1 088 076	1
		1998.. 724 833	14
		1997.. 614 974	X
3363603	Seats for public conveyance and aircraft . . . . .	2001.. 9 063 614	1
		2000.. 9 037 054	1
		1999.. 8 554 468	1
		1998.. 7 317 299	1
		1997.. 6 958 943	X
336360W	Motor vehicle fabric accessories and seats, nsk . . . . .	2001.. 82 528	74
		2000.. 140 522	43
		1999.. 148 125	41
		1998.. 144 541	6
		1997.. 161 290	X
336370	Motor vehicle metal stampings . . . . .	2001.. 21 583 769	3
		2000.. 23 411 563	3
		1999.. 24 496 630	2
		1998.. 23 025 652	1
		1997.. 22 678 869	X
3363700	Automotive job stampings (truck, bus, and passenger car) . . . . .	2001.. 21 583 769	3
		2000.. 23 411 563	3
		1999.. 24 496 630	2
		1998.. 23 025 652	1
		1997.. 22 678 869	X
336391	Motor vehicle air-conditioning units and systems . . . . .	2001.. 4 247 757	1
		2000.. 4 131 624	2
		1999.. 4 596 833	1
		1998.. 4 368 183	2
		1997.. 4 225 742	X
3363917	Motor vehicle mechanical air-conditioning systems . . . . .	2001.. 2 475 545	1
		2000.. 2 185 605	1
		1999.. 2 384 236	1
		1998.. 2 351 621	3
		1997.. 2 266 279	X
336391B	Automotive air-conditioning compressors (open-type, with or without motor) . . . . .	2001.. 1 737 196	3
		2000.. 1 900 227	3
		1999.. 2 174 908	3
		1998.. 1 990 435	1
		1997.. 1 937 805	X
336391W	Refrigeration and heating equipment, nsk, total . . . . .	2001.. 35 016	2
		2000.. 45 793	1
		1999.. 37 690	8
		1998.. 26 127	1
		1997.. 21 658	X
336399	Motor vehicle parts, nec . . . . .	2001.. 40 378 224	2
		2000.. 42 900 897	2
		1999.. 40 880 291	2
		1998.. 36 605 775	1
		1997.. 35 521 416	X
3363991	Filters for internal combustion engines and motor vehicles, new . . . . .	2001.. 2 934 896	7
		2000.. 2 775 165	6
		1999.. 2 780 318	5
		1998.. 2 549 828	2
		1997.. 2 463 396	X
3363993	Exhaust system parts, new . . . . .	2001.. 7 597 333	6
		2000.. 6 984 022	4
		1999.. 6 125 396	3
		1998.. 5 148 371	1
		1997.. 5 035 692	X
3363995	Motor vehicle wheels, new . . . . .	2001.. 3 027 642	5
		2000.. 3 718 615	5
		1999.. 3 477 176	3
		1998.. 3 230 046	1
		1997.. 3 439 804	X
3363997	Other motor vehicle parts and accessories, new and rebuilt . . . . .	2001.. 25 589 694	3
		2000.. 27 664 982	2
		1999.. 27 131 132	3
		1998.. 23 030 451	1
		1997.. 22 691 034	X
336399W	Other motor vehicle parts and accessories, nsk, total . . . . .	2001.. 1 228 659	20
		2000.. 1 758 113	29
		1999.. 1 366 270	17
		1998.. 2 647 078	3
		1997.. 1 891 490	X
336411	Aircraft . . . . .	2001.. 62 655 016	1
		2000.. 58 903 599	1
		1999.. 66 012 242	1
		1998.. 62 357 193	1
		1997.. 51 484 454	X
3364111	Military aircraft (including all aircraft for U.S. military and any other aircraft built to military specifications) . . . . .	2001.. 13 828 196	1
		2000.. 11 652 070	1
		1999.. 11 518 183	1
		1998.. 12 279 602	1
		1997.. 11 899 471	X
3364113	Civilian aircraft@ . . . . .	2001.. 42 020 485	1
		2000.. 38 201 587	1
		1999.. 45 170 219	1
		1998.. 41 185 526	1
		1997.. 30 690 008	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
336411	Aircraft—Con.		
3364115	Modification, conversion, and overhaul of previously accepted aircraft.....	2001.. 4 631 702	4
		2000.. 5 765 166	3
		1999.. 6 198 207	1
		1998.. 5 243 672	1
		1997.. 5 084 547	X
3364117	Other aeronautical services on complete aircraft, nec .....	2001.. 1 972 561	8
		2000.. 3 040 086	11
		1999.. 2 864 968	1
		1998.. 3 255 610	1
		1997.. 3 413 659	X
336411W	Aircraft manufacturing, nsk, total .....	2001.. 202 071	21
		2000.. 244 709	18
		1999.. 260 666	16
		1998.. 392 783	5
		1997.. 396 769	X
336412	Aircraft engines and engine parts .....	2001.. 23 939 933	2
		2000.. 22 255 306	1
		1999.. 21 606 324	1
		1998.. 22 201 903	1
		1997.. 20 077 240	X
3364121	Military aircraft engines (and any other aircraft built to military specifications).....	2001.. 1 908 511	5
		2000.. 1 669 866	6
		1999.. 1 720 293	2
		1998.. 1 997 322	2
		1997.. 1 714 270	X
3364123	Civilian aircraft engines@ .....	2001.. 7 124 919	2
		2000.. 7 054 093	2
		1999.. 7 154 136	2
		1998.. 6 234 677	1
		1997.. 5 372 076	X
3364125	Aeronautical services on aircraft engines .....	2001.. 3 490 993	8
		2000.. 2 854 284	6
		1999.. 2 651 005	6
		1998.. 3 273 936	1
		1997.. 3 220 840	X
3364127	Aircraft engine parts and accessories .....	2001.. 11 043 858	3
		2000.. 10 332 516	2
		1999.. 9 726 379	1
		1998.. 10 438 892	1
		1997.. 9 355 897	X
336412W	Aircraft engines and engine parts manufacturing, nsk, total .....	2001.. 371 653	17
		2000.. 344 547	19
		1999.. 354 511	18
		1998.. 257 076	12
		1997.. 414 157	X
336413	Aircraft parts and auxiliary equipment, nec .....	2001.. 25 098 585	2
		2000.. 23 974 535	2
		1999.. 26 457 435	2
		1998.. 27 060 859	1
		1997.. 22 917 132	X
3364131	Aircraft propellers and helicopter rotors .....	2001.. 1 100 165	8
		2000.. 1 136 375	9
		1999.. 967 898	9
		1998.. 1 209 395	1
		1997.. 1 021 234	X
3364133	Research and development on aircraft parts (except engines).....	2001.. 1 013 453	5
		2000.. 1 405 761	4
		1999.. 1 502 511	4
		1998.. 1 540 042	1
		1997.. 1 120 600	X
3364135	Aircraft parts and auxiliary equipment, excluding hydraulic and pneumatic subassemblies and engines.....	2001.. 22 273 564	2
		2000.. 20 785 453	2
		1999.. 23 368 277	2
		1998.. 23 418 239	1
		1997.. 19 881 716	X
336413W	Aircraft parts and auxiliary equipment, nec, nsk, total .....	2001.. 711 403	20
		2000.. 646 945	22
		1999.. 618 748	23
		1998.. 893 184	3
		1997.. 893 582	X
336414	Guided missiles and space vehicles .....	2001.. 10 395 632	1
		2000.. 10 439 865	1
		1999.. 11 354 556	1
		1998.. 12 449 127	1
		1997.. 12 465 433	X
3364141	Complete guided missiles .....	2001.. 2 862 681	1
		2000.. 2 316 108	1
		1999.. 2 277 464	1
		1998.. 2 177 967	1
		1997.. 1 689 379	X
3364143	Research and development on complete guided missiles.....	2001.. 1 007 039	1
		2000.. 1 736 998	1
		1999.. 1 350 519	1
		1998.. 1 549 163	1
		1997.. 2 271 322	X
3364145	Other services on complete guided missiles .....	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
336414	Guided missiles and space vehicles—Con.		
3364147	Complete space vehicles (excluding propulsion systems) . . . . .	2001.. D	X
		2000.. D	X
		1999.. D	X
		1998.. D	X
		1997.. D	X
3364149	Research and development on complete space vehicles . . . . .	2001.. 771 844	1
		2000.. 401 595	1
		1999.. 593 386	1
		1998.. 697 354	1
		1997.. 729 855	X
336414A	All other services on complete space vehicles . . . . .	2001.. 417 503	1
		2000.. 410 551	1
		1999.. 1 148 498	1
		1998.. 1 020 799	1
		1997.. 1 099 673	X
336414W	Guided missile and space vehicle manufacturing, nsk, total . . . . .	2001.. 1 765	1
		2000.. 1 670	1
		1999.. 2 733	1
		1998.. 8 948	1
		1997.. 9 645	X
336415	Guided missile and space vehicle propulsion units and propulsion unit parts . . . . .	2001.. 3 394 596	1
		2000.. 3 727 004	1
		1999.. 4 031 974	1
		1998.. 4 147 772	1
		1997.. 4 743 002	X
3364151	Complete missile or space vehicle engines and-or propulsion units . . . . .	2001.. 2 127 595	1
		2000.. 2 192 817	1
		1999.. 2 523 733	1
		1998.. 2 483 237	1
		1997.. 2 652 635	X
3364153	Research and development on complete missile or space vehicle engines and-or propulsion units . . . . .	2001.. 766 043	1
		2000.. 918 647	1
		1999.. 918 586	1
		1998.. 1 093 348	1
		1997.. 1 273 822	X
3364155	Other services on complete missile or space vehicle engines and-or propulsion units . . . . .	2001.. 182 367	1
		2000.. 313 411	1
		1999.. 319 581	1
		1998.. 333 571	1
		1997.. 323 683	X
3364157	Missile and space vehicle engine and-or propulsion parts and accessories . . . . .	2001.. 314 018	2
		2000.. 299 877	2
		1999.. 266 560	1
		1998.. 234 138	1
		1997.. 461 637	X
336415W	Space propulsion units and parts, nsk, total . . . . .	2001.. 4 573	16
		2000.. 2 252	1
		1999.. 3 513	1
		1998.. 3 478	20
		1997.. 31 225	X
336419	Guided missile and space vehicle parts and auxiliary equipment, nec . . . . .	2001.. 2 288 206	2
		2000.. 2 311 982	1
		1999.. 2 635 850	1
		1998.. 2 757 719	1
		1997.. 2 874 097	X
3364191	Missile and space vehicle components, parts, and subassemblies . . . . .	2001.. 2 026 943	2
		2000.. 2 046 435	1
		1999.. 2 149 612	1
		1998.. 2 351 907	1
		1997.. 2 524 432	X
3364193	Research and development on missile and space vehicle parts and components, nec . . . . .	2001.. 243 346	1
		2000.. 242 643	1
		1999.. 466 211	1
		1998.. 371 587	1
		1997.. 329 406	X
336419W	Other guided missile and space vehicle parts and auxiliary equipment, nsk . . . . .	2001.. 17 918	1
		2000.. 22 904	1
		1999.. 20 027	1
		1998.. 34 225	35
		1997.. 20 259	X
336510	Railroad equipment . . . . .	2001.. 7 381 302	2
		2000.. 8 701 728	1
		1999.. 9 265 923	1
		1998.. 8 618 775	1
		1997.. 7 697 669	X
3365101	Locomotives, both new and rebuilt, and parts . . . . .	2001.. 3 113 346	3
		2000.. 3 461 732	1
		1999.. 3 555 075	1
		1998.. 3 016 517	1
		1997.. 2 952 659	X
3365103	New freight train and passenger train cars, excluding parts . . . . .	2001.. 2 209 990	5
		2000.. 3 109 357	1
		1999.. 3 370 888	1
		1998.. 3 424 135	1
		1997.. 2 889 896	X
3365105	Street, subway, trolley, and rapid transit cars, all rebuilt railcars, and parts for all railcars . . . . .	2001.. 1 974 066	5
		2000.. 2 026 973	3
		1999.. 2 174 845	3
		1998.. 2 025 397	3
		1997.. 1 741 830	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
336510	Railroad equipment—Con.		
336510W	Railroad rolling stock manufacturing, nsk, total	2001.. 83 900	17
		2000.. 103 665	13
		1999.. 165 116	8
		1998.. 152 725	2
		1997.. 113 284	X
336611	Ship building and repairing	2001.. 11 351 100	2
		2000.. 10 764 984	2
		1999.. 10 534 726	2
		1998.. 10 786 893	1
		1997.. 10 260 189	X
3366111	Nonpropelled ships and barges, new construction	2001.. 612 694	10
		2000.. 754 380	8
		1999.. 843 883	8
		1998.. 914 023	5
		1997.. 837 420	X
3366113	Military, self-propelled ships, including combat ships, troop transport vessels, fleet auxiliaries, and service craft, new construction	2001.. 5 299 402	2
		2000.. 5 285 779	2
		1999.. 4 923 517	2
		1998.. 5 393 100	1
		1997.. 4 780 490	X
3366115	Self-propelled ships, nonmilitary, new construction	2001.. 1 602 379	7
		2000.. 1 207 836	8
		1999.. 1 236 721	11
		1998.. 1 110 198	2
		1997.. 995 366	X
3366117	Ship repair, military	2001.. 2 583 248	4
		2000.. 2 226 533	2
		1999.. 2 187 522	3
		1998.. 1 804 707	2
		1997.. 2 136 185	X
3366119	Ship repair, nonmilitary	2001.. 1 026 821	8
		2000.. 1 087 766	7
		1999.. 1 115 059	11
		1998.. 1 057 908	11
		1997.. 1 046 560	X
336611W	Ship building and repairing, nsk, total	2001.. 226 558	30
		2000.. 202 690	32
		1999.. 228 025	28
		1998.. 506 957	2
		1997.. 464 168	X
336612	Boat building	2001.. 6 926 146	3
		2000.. 7 885 075	3
		1999.. 6 877 480	3
		1998.. 5 504 269	2
		1997.. 5 182 795	X
3366121	Outboard motorboats, including commercial and military (except sailboats and lifeboats)	2001.. 2 260 247	6
		2000.. 2 565 182	6
		1999.. 2 264 389	6
		1998.. 1 785 981	3
		1997.. 1 675 652	X
3366123	Inboard motorboats, including commercial and military (except sailboats and lifeboats)	2001.. 1 791 983	6
		2000.. 1 973 583	6
		1999.. 1 643 368	4
		1998.. 1 403 384	1
		1997.. 1 287 343	X
3366125	Inboard-outdrive boats, including commercial and military (except sailboats and lifeboats)	2001.. 1 777 189	7
		2000.. 2 059 596	6
		1999.. 2 010 794	5
		1998.. 1 583 489	3
		1997.. 1 454 291	X
3366127	All other boats, nec (excluding military and commercial)	2001.. 583 247	7
		2000.. 749 890	7
		1999.. 463 793	10
		1998.. 385 296	11
		1997.. 376 515	X
336612W	Boat building, nsk, total	2001.. 513 481	9
		2000.. 536 824	10
		1999.. 495 136	8
		1998.. 346 119	15
		1997.. 388 994	X
336991	Motorcycles, bicycles, and parts	2001.. 3 324 082	4
		2000.. 2 925 145	4
		1999.. 2 796 416	3
		1998.. 3 144 362	3
		1997.. 3 084 906	X
3369911	Bicycles and parts (excluding children's two-wheel sidewalk cycles with solid or semipneumatic tires)	2001.. 629 787	13
		2000.. 664 749	11
		1999.. 774 599	8
		1998.. 1 041 467	1
		1997.. 1 225 579	X
3369913	Motorcycles, including three-wheel, motorbikes, motor scooters, mopeds, and parts (including sidecars)	2001.. 2 540 109	4
		2000.. 2 112 392	4
		1999.. 1 900 080	2
		1998.. 1 903 812	4
		1997.. 1 681 777	X
336991W	Motorcycle, bicycle, and parts manufacturing, nsk, total	2001.. 154 185	17
		2000.. 148 005	17
		1999.. 121 737	20
		1998.. 199 082	13
		1997.. 177 550	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
336992	Military armored vehicles, tanks, and tank components .....	2001..	2
		2000..	2
		1999..	8
		1998..	1
		1997..	X
3369920	Military armored vehicles, tank, and tank components .....	2001..	2
		2000..	2
		1999..	8
		1998..	1
		1997..	X
336999	Transportation equipment, nec .....	2001..	15
		2000..	12
		1999..	3
		1998..	1
		1997..	X
3369991	Self-propelled golf carts and industrial in-plant personnel carriers, and parts .....	2001..	2
		2000..	1
		1999..	1
		1998..	1
		1997..	X
3369993	Transportation equipment, nec, including all-terrain vehicles .....	2001..	18
		2000..	16
		1999..	3
		1998..	1
		1997..	X
336999W	Other miscellaneous transportation equipment manufacturing, nsk, total .....	2001..	21
		2000..	33
		1999..	28
		1998..	6
		1997..	X
337110	Wood kitchen cabinets and countertops .....	2001..	2
		2000..	2
		1999..	1
		1998..	1
		1997..	X
3371101	Wood kitchen cabinets and cabinetwork, stock line .....	2001..	2
		2000..	2
		1999..	1
		1998..	2
		1997..	X
3371104	Wood kitchen cabinets and cabinetwork, custom, except sold directly to customer at retail .....	2001..	4
		2000..	3
		1999..	2
		1998..	3
		1997..	X
3371107	Wood vanities and other cabinetwork .....	2001..	4
		2000..	4
		1999..	3
		1998..	2
		1997..	X
337110A	Plastics laminated wood kitchen cabinet tops .....	2001..	8
		2000..	8
		1999..	6
		1998..	7
		1997..	X
337110E	Plastics laminated fixture tops (including drainboards and tops for sinks, cabinets, counters, and fixtures), except kitchen .....	2001..	15
		2000..	17
		1999..	15
		1998..	14
		1997..	X
337110H	Wood kitchen cabinets and cabinetwork (permanent installation), custom, sold directly to customer at retail .....	2001..	12
		2000..	11
		1999..	9
		1998..	7
		1997..	X
337110W	Wood kitchen cabinet and countertops, nsk, total .....	2001..	6
		2000..	6
		1999..	6
		1998..	2
		1997..	X
337121	Upholstered household furniture .....	2001..	2
		2000..	2
		1999..	1
		1998..	1
		1997..	X
3371211	Upholstered household furniture, except dual-purpose sleep furniture .....	2001..	2
		2000..	2
		1999..	1
		1998..	1
		1997..	X
3371214	Dual-purpose sleep furniture, including convertible sofas, jackknife sofa beds and chair beds, studio couches, and futons shipped with frames .....	2001..	16
		2000..	9
		1999..	6
		1998..	2
		1997..	X
337121W	Upholstered household furniture, nsk, total .....	2001..	11
		2000..	9
		1999..	6
		1998..	12
		1997..	X

See footnotes at end of table.



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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
337122	Nonupholstered wood household furniture .....	2001..	3
		2000..	2
		1999..	2
		1998..	1
		1997..	X
3371221	Wood living room, library, family room, and den furniture, nonupholstered .....	2001..	8
		2000..	7
		1999..	6
		1998..	4
		1997..	X
3371224	Wood dining room and kitchen furniture, except kitchen cabinets .....	2001..	5
		2000..	5
		1999..	4
		1998..	2
		1997..	X
3371227	Wood bedroom furniture .....	2001..	2
		2000..	2
		1999..	2
		1998..	1
		1997..	X
337122A	Infants' and children's wood furniture .....	2001..	4
		2000..	3
		1999..	2
		1998..	5
		1997..	X
337122E	Wood outdoor furniture, unpainted wood furniture, and ready-to-assemble wood furniture.....	2001..	2
		2000..	2
		1999..	1
		1998..	2
		1997..	X
337122W	Nonupholstered wood household furniture, nsk, total .....	2001..	12
		2000..	13
		1999..	7
		1998..	5
		1997..	X
337124	Metal household furniture .....	2001..	3
		2000..	3
		1999..	2
		1998..	3
		1997..	X
3371241	Household dining room and kitchen furniture, metal .....	2001..	16
		2000..	14
		1999..	8
		1998..	9
		1997..	X
3371244	Porch, lawn, outdoor, and casual furniture, metal .....	2001..	4
		2000..	4
		1999..	4
		1998..	8
		1997..	X
3371247	Other household furniture, metal .....	2001..	3
		2000..	3
		1999..	2
		1998..	2
		1997..	X
337124W	Household furniture, metal, nsk, total .....	2001..	17
		2000..	17
		1999..	10
		1998..	1
		1997..	X
337125	Household furniture, except wood and metal .....	2001..	5
		2000..	6
		1999..	7
		1998..	4
		1997..	X
3371250	Household furniture, except wood and metal .....	2001..	5
		2000..	6
		1999..	7
		1998..	4
		1997..	X
337127	Institutional furniture .....	2001..	4
		2000..	4
		1999..	3
		1998..	2
		1997..	X
3371271	School furniture, except stone and concrete, excluding library furniture .....	2001..	7
		2000..	7
		1999..	6
		1998..	6
		1997..	X
3371274	Public building furniture, except school and restaurant furniture .....	2001..	6
		2000..	5
		1999..	4
		1998..	2
		1997..	X
3371277	Furniture and fixtures, nec .....	2001..	9
		2000..	7
		1999..	6
		1998..	3
		1997..	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
337127	Institutional furniture—Con.		
337127A	Other furniture, nec.....	2001.. 851 540	11
		2000.. 940 374	9
		1999.. 896 407	8
		1998.. 1 028 015	9
		1997.. 842 609	X
337127W	Institutional furniture manufacturing, nsk, total .....	2001.. 319 146	14
		2000.. 238 580	20
		1999.. 382 483	16
		1998.. 374 952	6
		1997.. 337 777	X
337129	Wood television, radio, phonograph, and sewing machine cabinets .....	2001.. 475 504	4
		2000.. 474 767	4
		1999.. 499 214	2
		1998.. 477 572	9
		1997.. 516 379	X
3371290	Wood television, radio, stereo, and sewing machine cabinets .....	2001.. 475 504	4
		2000.. 474 767	4
		1999.. 499 214	2
		1998.. 477 572	9
		1997.. 516 379	X
337211	Wood office furniture .....	2001.. 3 850 410	10
		2000.. 4 379 851	10
		1999.. 3 770 797	6
		1998.. 3 483 340	2
		1997.. 3 051 300	X
3372111	Wood office seating, including upholstered .....	2001.. 873 148	37
		2000.. 994 734	37
		1999.. 738 557	21
		1998.. 643 740	2
		1997.. 623 419	X
3372114	Wood office desks and extensions .....	2001.. 720 984	7
		2000.. 781 665	6
		1999.. 681 840	5
		1998.. 667 494	5
		1997.. 594 428	X
3372117	Wood office storage units, files, and tables .....	2001.. 823 308	8
		2000.. 946 399	9
		1999.. 870 382	8
		1998.. 729 222	2
		1997.. 622 271	X
337211A	Wood office panel, modular and desking systems furniture, and all other wood office furniture, nec ...	2001.. 1 016 384	15
		2000.. 1 220 225	15
		1999.. 1 037 787	14
		1998.. 976 111	6
		1997.. 707 052	X
337211W	Wood office furniture, nsk, total .....	2001.. 416 586	13
		2000.. 436 829	12
		1999.. 442 231	12
		1998.. 466 773	5
		1997.. 504 130	X
337212	Custom architectural woodwork, millwork, and fixtures .....	2001.. 2 608 149	7
		2000.. 2 670 731	6
		1999.. 2 379 928	5
		1998.. 2 205 397	7
		1997.. 2 067 987	X
3372120	Custom architectural woodwork, millwork, and fixtures.....	2001.. 2 608 149	7
		2000.. 2 670 731	6
		1999.. 2 379 928	5
		1998.. 2 205 397	7
		1997.. 2 067 987	X
337214	Office furniture, except wood .....	2001.. 7 077 231	3
		2000.. 8 281 689	2
		1999.. 8 348 123	2
		1998.. 8 239 590	1
		1997.. 8 148 445	X
3372141	Office seating, including upholstered, nonwood .....	2001.. 1 256 752	11
		2000.. 1 542 456	9
		1999.. 1 751 286	6
		1998.. 1 789 252	1
		1997.. 1 787 201	X
3372144	Office desks and extensions, nonwood.....	2001.. 517 004	6
		2000.. 528 908	5
		1999.. 533 624	4
		1998.. 566 933	2
		1997.. 511 162	X
3372147	Office storage units, files, and tables, nonwood .....	2001.. 1 965 347	3
		2000.. 2 285 565	2
		1999.. 2 252 232	1
		1998.. 2 178 314	1
		1997.. 2 169 320	X
337214A	Office panel and modular systems, and all other office furniture, nonwood, nec .....	2001.. 3 046 894	3
		2000.. 3 730 161	3
		1999.. 3 517 726	2
		1998.. 3 444 576	1
		1997.. 3 453 780	X
337214W	Office furniture, nonwood, nsk, total .....	2001.. 291 233	18
		2000.. 194 599	27
		1999.. 293 255	9
		1998.. 260 515	1
		1997.. 226 982	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)	
337215	Showcases, partitions, shelving, and lockers . . . . .	2001..	7 741 342	8
		2000..	8 261 085	7
		1999..	8 090 859	6
		1998..	7 975 568	2
		1997..	7 545 384	X
3372151	Wood partitions, shelving, and lockers, except custom . . . . .	2001..	247 734	9
		2000..	242 719	8
		1999..	224 254	10
		1998..	188 230	2
		1997..	180 383	X
3372154	Wood fixtures for stores, banks, and offices, and other miscellaneous fixtures, except custom . . . . .	2001..	1 628 024	14
		2000..	1 690 190	10
		1999..	1 663 843	8
		1998..	1 513 977	3
		1997..	1 502 590	X
3372157	Prefabricated partitions, assembled or knocked-down, nonwood . . . . .	2001..	292 479	7
		2000..	293 830	6
		1999..	276 621	6
		1998..	281 538	3
		1997..	267 096	X
337215A	Shelving and lockers, nonwood . . . . .	2001..	1 474 830	6
		2000..	1 571 651	6
		1999..	1 498 873	4
		1998..	1 322 869	1
		1997..	1 222 973	X
337215E	Storage racks and accessories, nonwood . . . . .	2001..	745 551	64
		2000..	1 131 810	42
		1999..	1 084 185	43
		1998..	1 366 810	7
		1997..	1 192 720	X
337215H	Fixtures for stores, banks, and offices, and miscellaneous fixtures, nonwood . . . . .	2001..	1 923 417	6
		2000..	1 874 106	5
		1999..	1 997 555	4
		1998..	1 956 453	6
		1997..	1 806 562	X
337215K	Wood furniture frames for household furniture, including frames for upholstered furniture . . . . .	2001..	287 524	9
		2000..	352 674	7
		1999..	402 017	7
		1998..	293 177	19
		1997..	361 850	X
337215W	Showcases, partitions, shelving, and lockers, nsk, total . . . . .	2001..	1 141 785	21
		2000..	1 104 104	18
		1999..	943 511	17
		1998..	1 052 515	6
		1997..	1 011 210	X
337910	Mattresses . . . . .	2001..	4 714 536	3
		2000..	4 756 014	2
		1999..	4 307 918	2
		1998..	4 247 976	2
		1997..	3 848 118	X
3379101	Innerspring mattresses, except crib-size, inc with polyurethane or rubber topper pads and those sold as part of Hollywood beds, except inserts . . . . .	2001..	2 737 255	4
		2000..	2 727 920	4
		1999..	2 428 205	2
		1998..	2 355 780	3
		1997..	2 133 590	X
3379104	Other mattresses, including crib mattresses and mattress inserts . . . . .	2001..	353 145	8
		2000..	362 885	5
		1999..	358 910	5
		1998..	356 504	5
		1997..	347 067	X
3379107	Foundations, excluding innerspring units and those incorporated into hybrid-type flotation and adjustable ensembles . . . . .	2001..	1 259 682	4
		2000..	1 300 131	3
		1999..	1 207 944	2
		1998..	1 221 928	2
		1997..	1 124 080	X
337910A	Sleep system ensembles, excluding conventional waterbeds . . . . .	2001..	58 700	29
		2000..	60 400	29
		1999..	66 666	27
		1998..	73 405	17
		1997..	73 357	X
337910W	Mattresses and foundations, nsk, total . . . . .	2001..	305 755	8
		2000..	304 677	10
		1999..	246 194	12
		1998..	240 359	1
		1997..	170 024	X
337920	Drapery hardware and blinds and shades . . . . .	2001..	2 570 988	6
		2000..	2 415 478	5
		1999..	2 545 086	4
		1998..	2 555 252	6
		1997..	2 192 994	X
3379201	Window shades and accessories . . . . .	2001..	534 756	11
		2000..	556 141	11
		1999..	563 892	9
		1998..	613 171	23
		1997..	391 848	X
3379204	Venetian blinds . . . . .	2001..	1 166 325	7
		2000..	1 023 948	7
		1999..	1 166 456	5
		1998..	1 221 757	3
		1997..	1 128 102	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
337920	Drapery hardware and blinds and shades—Con.		
3379207	Other shades and blinds, nec, and curtain and drapery rods, poles, and fixtures . . . . .	2001.. 613 795	14
		2000.. 577 184	14
		1999.. 666 490	9
		1998.. 551 275	3
		1997.. 526 525	X
337920W	Drapery hardware and blinds and shades, nsk, total . . . . .	2001.. 256 113	13
		2000.. 258 205	12
		1999.. 148 248	24
		1998.. 169 048	2
		1997.. 146 519	X
339111	Laboratory apparatus and furniture . . . . .	2001.. 2 690 827	5
		2000.. 2 492 611	4
		1999.. 2 200 958	3
		1998.. 2 228 236	3
		1997.. 2 047 886	X
3391110	Laboratory apparatus and furniture@ . . . . .	2001.. 2 690 827	5
		2000.. 2 492 611	4
		1999.. 2 200 958	3
		1998.. 2 228 236	3
		1997.. 2 047 886	X
339112	Surgical and medical instruments . . . . .	2001.. 22 547 618	4
		2000.. 20 878 818	2
		1999.. 19 847 097	1
		1998.. 18 590 592	1
		1997.. 17 367 955	X
3391121	Surgical and medical instruments and apparatus . . . . .	2001.. 20 815 300	4
		2000.. 19 228 493	3
		1999.. 17 799 399	1
		1998.. 16 544 797	1
		1997.. 15 490 627	X
3391123	Hospital furniture . . . . .	2001.. 750 354	3
		2000.. 721 930	3
		1999.. 726 413	3
		1998.. 646 766	3
		1997.. 621 034	X
339112W	Surgical and medical instrument manufacturing, nsk, total . . . . .	2001.. 981 963	14
		2000.. 928 396	15
		1999.. 1 321 285	13
		1998.. 1 399 029	5
		1997.. 1 256 294	X
339113	Surgical appliances and supplies . . . . .	2001.. 19 147 070	3
		2000.. 17 963 445	3
		1999.. 16 318 103	3
		1998.. 15 824 533	2
		1997.. 13 521 922	X
3391131	Surgical, orthopedic, prosthetic, and therapeutic appliances and supplies . . . . .	2001.. 15 163 997	3
		2000.. 14 140 307	3
		1999.. 12 631 924	3
		1998.. 12 594 865	2
		1997.. 10 453 117	X
3391135	Personal industrial safety devices . . . . .	2001.. 2 072 182	5
		2000.. 2 109 252	4
		1999.. 1 847 301	4
		1998.. 1 679 556	7
		1997.. 1 641 569	X
3391137	Hospital beds . . . . .	2001.. 669 001	19
		2000.. 676 232	18
		1999.. 540 777	12
		1998.. 555 111	1
		1997.. 493 586	X
339113W	Surgical appliances and supplies manufacturing, nsk . . . . .	2001.. 1 241 890	9
		2000.. 1 037 654	13
		1999.. 1 298 101	11
		1998.. 995 001	6
		1997.. 933 650	X
339114	Dental equipment and supplies . . . . .	2001.. 2 776 713	4
		2000.. 2 749 707	5
		1999.. 2 576 904	3
		1998.. 2 537 125	2
		1997.. 2 336 828	X
3391141	Dental professional equipment and supplies . . . . .	2001.. 2 038 521	5
		2000.. 1 960 765	6
		1999.. 1 809 375	4
		1998.. 1 698 615	2
		1997.. 1 583 987	X
3391143	Dental laboratory equipment and supplies . . . . .	2001.. 545 427	5
		2000.. 601 825	4
		1999.. 570 259	3
		1998.. 608 726	5
		1997.. 502 813	X
339114W	Dental equipment and supplies manufacturing, nsk, total . . . . .	2001.. 192 764	15
		2000.. 187 117	15
		1999.. 197 271	12
		1998.. 229 784	8
		1997.. 250 028	X

See footnotes at end of table.

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[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
339115	Ophthalmic goods .....	2001..	4
		2000..	4
		1999..	3
		1998..	1
		1997..	X
3391151	Ophthalmic fronts and temples .....	2001..	77
		2000..	40
		1999..	40
		1998..	1
		1997..	X
3391153	Glass ophthalmic focus lenses .....	2001..	10
		2000..	9
		1999..	4
		1998..	11
		1997..	X
3391155	Plastics ophthalmic focus lenses .....	2001..	9
		2000..	5
		1999..	6
		1998..	1
		1997..	X
3391157	Contact lenses .....	2001..	3
		2000..	3
		1999..	3
		1998..	1
		1997..	X
339115B	Ophthalmic goods (except fronts, temples, and lenses) and grinding of lenses to prescription (except 1-hour labs) .....	2001..	13
		2000..	11
		1999..	7
		1998..	1
		1997..	X
339115W	Ophthalmic goods, nsk, total .....	2001..	12
		2000..	10
		1999..	11
		1998..	1
		1997..	X
339116	Dental laboratories .....	2001..	3
		2000..	2
		1999..	2
		1998..	2
		1997..	X
3391160	Dentures, artificial teeth, and orthodontic appliances manufactured to order for the dental profession (prescription basis) .....	2001..	3
		2000..	2
		1999..	2
		1998..	2
		1997..	X
339911	Jewelry, precious metal .....	2001..	6
		2000..	6
		1999..	6
		1998..	3
		1997..	X
3399111	Jewelry, made of platinum metals and karat gold .....	2001..	5
		2000..	5
		1999..	4
		1998..	3
		1997..	X
3399113	Jewelry, made of silver (including platinum metals and karat gold clad to silver) .....	2001..	13
		2000..	22
		1999..	22
		1998..	17
		1997..	X
3399115	Other jewelry, except costume .....	2001..	14
		2000..	13
		1999..	11
		1998..	2
		1997..	X
339911W	Jewelry, precious metals, nsk, total .....	2001..	22
		2000..	25
		1999..	27
		1998..	6
		1997..	X
339912	Silverware and platedware .....	2001..	3
		2000..	3
		1999..	2
		1998..	3
		1997..	X
3399121	Hollowware (including toiletware, ecclesiastical ware, novelties, trophies, baby goods, and other platedware) .....	2001..	6
		2000..	6
		1999..	4
		1998..	7
		1997..	X
3399123	Flatware (including all knives, forks, spoons, and carving sets made wholly of metal) .....	2001..	4
		2000..	1
		1999..	1
		1998..	2
		1997..	X
339912W	Flatware (including all knives, forks, spoons, and carving sets made wholly of metal), nsk, total .....	2001..	12
		2000..	14
		1999..	11
		1998..	1
		1997..	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
339913	Jewelers' materials and lapidary work .....	2001..	4
		2000..	4
		1999..	3
		1998..	4
		1997..	X
3399131	Diamonds (inc industrial) and other precious, semiprecious, and synthetic stones cut or polished in the plant for jewelry purposes .....	2001..	14
		2000..	8
		1999..	3
		1998..	5
		1997..	X
3399133	Jewelers' findings and materials of precious metal .....	2001..	5
		2000..	4
		1999..	4
		1998..	5
		1997..	X
3399135	Jewelers' findings and shop-stock products made of base metal not clad with precious metal .....	2001..	24
		2000..	15
		1999..	15
		1998..	4
		1997..	X
339913W	Jewelers' materials and lapidary work, nsk, total .....	2001..	11
		2000..	12
		1999..	7
		1998..	10
		1997..	X
339914	Costume jewelry and novelties .....	2001..	6
		2000..	5
		1999..	4
		1998..	5
		1997..	X
3399140	Costume jewelry and costume novelties (except precious metal) .....	2001..	6
		2000..	5
		1999..	4
		1998..	5
		1997..	X
339920	Sporting and athletic goods .....	2001..	3
		2000..	3
		1999..	4
		1998..	1
		1997..	X
3399201	Fishing tackle and equipment .....	2001..	7
		2000..	7
		1999..	6
		1998..	5
		1997..	X
3399203	Golf equipment .....	2001..	2
		2000..	2
		1999..	2
		1998..	1
		1997..	X
3399205	Playground equipment .....	2001..	8
		2000..	5
		1999..	5
		1998..	3
		1997..	X
3399207	Gymnasium and exercise equipment .....	2001..	10
		2000..	11
		1999..	13
		1998..	5
		1997..	X
3399209	Other sporting and athletic goods .....	2001..	5
		2000..	5
		1999..	3
		1998..	2
		1997..	X
339920W	Sporting and athletic goods, nec, nsk .....	2001..	13
		2000..	14
		1999..	16
		1998..	4
		1997..	X
339931	Dolls and stuffed toys .....	2001..	20
		2000..	18
		1999..	16
		1998..	10
		1997..	X
3399310	Dolls and toy animals, including accessories .....	2001..	20
		2000..	18
		1999..	16
		1998..	10
		1997..	X
339932	Games, toys, and children's vehicles .....	2001..	5
		2000..	5
		1999..	4
		1998..	6
		1997..	X
3399321	Baby carriages and children's vehicles, except bicycles with pneumatic tires .....	2001..	5
		2000..	10
		1999..	2
		1998..	2
		1997..	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
339932	Games, toys, and children's vehicles—Con.			
3399323	Toys, excluding games, hobbies, and electronic toys .....	2001..	1 309 937	4
		2000..	1 429 148	5
		1999..	1 503 281	5
		1998..	1 565 794	11
		1997..	1 491 217	X
3399325	Models (operating or static), craft, structural, and scientific equipment kits, sets, and individual units ..	2001..	522 657	11
		2000..	543 465	10
		1999..	562 199	8
		1998..	562 404	8
		1997..	659 330	X
3399327	Nonelectronic games .....	2001..	442 085	18
		2000..	566 587	15
		1999..	468 516	14
		1998..	465 473	15
		1997..	638 310	X
3399329	Electronic games and toys (excluding disks, tapes, and cartridges) .....	2001..	25 343	A
		2000..	30 869	A
		1999..	55 704	65
		1998..	150 797	1
		1997..	188 111	X
339932W	Games, toys, and children's vehicles, nsk .....	2001..	343 597	18
		2000..	264 999	24
		1999..	279 788	21
		1998..	417 110	9
		1997..	367 279	X
339941	Pens and mechanical pencils .....	2001..	1 528 983	5
		2000..	1 726 909	5
		1999..	1 653 860	4
		1998..	1 732 663	3
		1997..	1 561 179	X
3399411	Pens .....	2001..	705 442	1
		2000..	843 673	1
		1999..	815 796	1
		1998..	894 127	5
		1997..	772 423	X
3399413	Markers .....	2001..	554 236	14
		2000..	585 892	13
		1999..	542 213	13
		1998..	516 528	7
		1997..	488 656	X
3399415	Other pens, mechanical pencils, and parts .....	2001..	227 036	5
		2000..	257 305	4
		1999..	252 333	4
		1998..	258 743	5
		1997..	254 336	X
339941W	Pens and mechanical pencils, nsk .....	2001..	42 269	9
		2000..	40 038	10
		1999..	43 518	9
		1998..	63 266	3
		1997..	45 764	X
339942	Lead pencils and art goods .....	2001..	978 462	5
		2000..	1 024 144	5
		1999..	1 091 824	6
		1998..	1 085 126	2
		1997..	1 104 610	X
3399421	Blackboards .....	2001..	459 627	8
		2000..	498 685	8
		1999..	503 482	10
		1998..	470 149	3
		1997..	497 609	X
3399423	Artists' equipment .....	2001..	246 797	10
		2000..	252 227	10
		1999..	275 089	9
		1998..	277 065	2
		1997..	284 932	X
3399425	Lead pencil and art goods manufacturing, nec .....	2001..	212 785	11
		2000..	224 994	11
		1999..	256 260	10
		1998..	222 826	8
		1997..	228 418	X
339942W	Lead pencils and art goods, nsk .....	2001..	59 253	19
		2000..	48 238	23
		1999..	56 993	18
		1998..	115 085	6
		1997..	93 651	X
339943	Marking devices .....	2001..	608 366	7
		2000..	610 930	7
		1999..	642 955	8
		1998..	651 405	2
		1997..	644 415	X
3399430	Hand stamps, stencils, and other marking devices .....	2001..	608 366	7
		2000..	610 930	7
		1999..	642 955	8
		1998..	651 405	2
		1997..	644 415	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
339944	Carbon paper and inked ribbons .....	2001..	595 777	6
		2000..	663 796	5
		1999..	690 259	4
		1998..	779 559	1
		1997..	808 928	X
3399441	Inked ribbons .....	2001..	512 876	7
		2000..	583 491	6
		1999..	609 633	4
		1998..	645 280	1
		1997..	692 017	X
3399443	Carbon paper, stencil paper, etc .....	2001..	67 719	9
		2000..	67 286	9
		1999..	60 948	9
		1998..	73 437	1
		1997..	85 805	X
339944W	Carbon paper and inked ribbons, nsk, total .....	2001..	15 181	42
		2000..	13 018	49
		1999..	19 678	33
		1998..	60 842	1
		1997..	31 106	X
339950	Signs .....	2001..	8 432 034	3
		2000..	8 623 667	3
		1999..	8 401 887	2
		1998..	7 398 827	3
		1997..	7 185 895	X
3399501	Electric signs .....	2001..	2 394 965	5
		2000..	2 422 245	5
		1999..	2 513 989	5
		1998..	1 895 333	6
		1997..	2 061 111	X
3399503	Nonelectric signs, including counter and floor displays, point-of-purchase, and other signs and displays .....	2001..	3 148 057	5
		2000..	3 315 670	5
		1999..	3 105 898	3
		1998..	2 441 821	6
		1997..	2 438 678	X
3399505	Advertising specialties .....	2001..	1 551 158	4
		2000..	1 630 656	4
		1999..	1 522 737	4
		1998..	1 401 880	3
		1997..	1 337 104	X
339950W	Signs, nsk, total .....	2001..	1 337 853	7
		2000..	1 255 097	7
		1999..	1 259 262	7
		1998..	1 659 793	6
		1997..	1 349 002	X
339991	Gaskets, packing, and sealing devices .....	2001..	5 358 948	8
		2000..	6 104 508	9
		1999..	5 226 133	3
		1998..	4 928 477	1
		1997..	4 867 527	X
3399911	Compression packings .....	2001..	200 237	19
		2000..	205 460	18
		1999..	232 116	7
		1998..	197 383	4
		1997..	208 499	X
3399913	Nonmetallic gaskets and gasketing .....	2001..	1 256 489	8
		2000..	1 477 102	10
		1999..	1 392 916	6
		1998..	1 292 416	3
		1997..	1 279 526	X
3399915	Molded packings and seals .....	2001..	1 618 028	24
		2000..	1 899 172	28
		1999..	1 137 561	6
		1998..	989 425	1
		1997..	1 066 901	X
3399917	Metallic gaskets and machined seals .....	2001..	982 421	4
		2000..	1 049 360	3
		1999..	994 056	2
		1998..	889 217	2
		1997..	873 404	X
3399918	Axial mechanical face seals .....	2001..	292 945	14
		2000..	318 205	13
		1999..	301 044	13
		1998..	265 468	9
		1997..	257 291	X
3399919	Rotary oil seals .....	2001..	565 838	8
		2000..	664 255	7
		1999..	785 206	4
		1998..	690 860	1
		1997..	684 255	X
339991W	Gaskets, packings, and sealing devices, nsk, total .....	2001..	442 990	16
		2000..	490 955	19
		1999..	383 234	19
		1998..	603 708	4
		1997..	497 651	X

See footnotes at end of table.



**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
339992	Musical Instruments .....	2001..	3
		2000..	3
		1999..	3
		1998..	3
		1997..	X
3399921	Pianos .....	2001..	7
		2000..	3
		1999..	3
		1998..	5
		1997..	X
3399923	Organs .....	2001..	13
		2000..	11
		1999..	5
		1998..	10
		1997..	X
3399925	Piano and organ parts .....	2001..	7
		2000..	7
		1999..	9
		1998..	4
		1997..	X
3399927	Other musical instruments and parts .....	2001..	3
		2000..	4
		1999..	3
		1998..	5
		1997..	X
339992W	Musical instruments, nsk .....	2001..	16
		2000..	24
		1999..	22
		1998..	6
		1997..	X
339993	Fasteners, buttons, needles and pins .....	2001..	5
		2000..	4
		1999..	5
		1998..	1
		1997..	X
3399931	Buttons and parts (except precious or semiprecious metals and precious or semiprecious stones) .....	2001..	12
		2000..	9
		1999..	11
		1998..	1
		1997..	X
3399933	Zippers and slide fasteners .....	2001..	9
		2000..	4
		1999..	4
		1998..	1
		1997..	X
3399935	Needles, pins, fasteners (except slide), and similar notions .....	2001..	8
		2000..	9
		1999..	8
		1998..	1
		1997..	X
339993W	Fasteners, buttons, needles, and pins, nsk, total .....	2001..	21
		2000..	22
		1999..	26
		1998..	2
		1997..	X
339994	Brooms, brushes, and mops .....	2001..	4
		2000..	3
		1999..	3
		1998..	2
		1997..	X
3399941	Brooms, mops, and dusters .....	2001..	9
		2000..	7
		1999..	6
		1998..	6
		1997..	X
3399943	Paint and varnish brushes, rollers, and pads .....	2001..	10
		2000..	7
		1999..	7
		1998..	1
		1997..	X
3399945	Other brushes .....	2001..	5
		2000..	5
		1999..	3
		1998..	1
		1997..	X
339994W	Brooms, brushes, and mops, nsk, total .....	2001..	3
		2000..	5
		1999..	5
		1998..	8
		1997..	X
339995	Burial caskets .....	2001..	3
		2000..	3
		1999..	3
		1998..	2
		1997..	X
3399951	Metal burial caskets and coffins, completely lined and trimmed, adult sizes only .....	2001..	3
		2000..	3
		1999..	3
		1998..	1
		1997..	X

See footnotes at end of table.

**Table 1. Value of Shipments for Product Classes: 2001 and Earlier Years—Con.**

[Data based on the 2001 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate <sup>1</sup> (percent)
339995	Burial caskets—Con.		
3399953	Wood burial caskets and coffins, completely lined and trimmed, adult sizes only . . . . .	2001.. 329 004	11
		2000.. 303 746	9
		1999.. 313 205	8
		1998.. 323 501	1
		1997.. 317 604	X
3399955	Other burial caskets and coffins and metal vaults . . . . .	2001.. 69 860	5
		2000.. 68 569	4
		1999.. 69 018	3
		1998.. 97 415	16
		1997.. 65 817	X
339995W	Burial caskets, nsk, total . . . . .	2001.. 32 336	7
		2000.. 29 212	8
		1999.. 28 019	8
		1998.. 57 747	16
		1997.. 44 854	X
339999	All other miscellaneous fabrications . . . . .	2001.. 8 126 362	4
		2000.. 8 514 487	4
		1999.. 8 255 089	3
		1998.. 7 808 770	1
		1997.. 7 270 148	X
3399991	Chemical fire-extinguishing equipment and parts . . . . .	2001.. 601 918	5
		2000.. 594 284	2
		1999.. 553 356	1
		1998.. 578 002	2
		1997.. 543 864	X
3399993	Coin-operated amusement machines . . . . .	2001.. 952 109	5
		2000.. 750 916	6
		1999.. 685 827	5
		1998.. 730 998	2
		1997.. 866 254	X
3399995	Candles (including tapers) . . . . .	2001.. 1 552 562	10
		2000.. 1 622 985	10
		1999.. 1 449 654	9
		1998.. 989 914	2
		1997.. 907 663	X
3399997	Umbrellas and parasols (including parts) . . . . .	2001.. 54 613	25
		2000.. 79 142	19
		1999.. 76 984	8
		1998.. 78 188	3
		1997.. 74 927	X
3399999	Feathers, plumes, and artificial flowers . . . . .	2001.. 400 962	19
		2000.. 408 241	19
		1999.. 381 604	19
		1998.. 292 556	11
		1997.. 250 304	X
339999C	Mirror and picture frames . . . . .	2001.. 1 255 081	8
		2000.. 1 413 630	7
		1999.. 1 213 115	5
		1998.. 1 054 073	2
		1997.. 1 068 902	X
339999H	Miscellaneous fabricated products, nec . . . . .	2001.. 2 324 492	6
		2000.. 2 702 171	5
		1999.. 2 854 044	5
		1998.. 2 446 871	4
		1997.. 2 278 958	X
339999W	Miscellaneous products, nsk . . . . .	2001.. 984 627	13
		2000.. 943 118	16
		1999.. 1 040 507	14
		1998.. 1 638 168	2
		1997.. 1 279 276	X

@Additional data are available for these codes at the aggregate U.S. level in the Current Industrial Report (CIR) series; see Appendix C for CIR survey number and title.

\$This product class is primary to more than one industry; see Appendix C for related product classes.

<sup>1</sup>Description of relative standard error of estimate is given in Appendix B. Percentage standard errors shown are approximate relative standard errors of estimates of level.

Note 1: Previous years' data may differ from that published in the 2000 Annual Survey of Manufactures because of changes encountered in subsequent review of the 2001 ASM.

Note 2: The data in this table are based on the 2001 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The data in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the U.S. Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix B.

# Appendix A. Explanation of Terms

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## PRODUCT CODES AND CLASSES OF PRODUCTS

NAICS United States industries are identified by a six-digit code, in contrast to the four-digit SIC code. Each product or service is assigned a ten-digit code. The product coding structure represents an extension by the Census Bureau of the six-digit industry classifications of the manufacturing sector. The classification system operates so that the industrial coverage is progressively narrower with the successive addition of digits. This is illustrated as follows:

NAICS level	NAICS code	Description
Industry . . . . .	33461	Manufacturing and reproduction of magnetic and optical media
U.S. industry . . . . .	334612	Reproduction of software
Product class . . . . .	3346120	Prerecorded compact disc (except software), tape, and record reproducing
Census product code . . . . .	3346120XXX	

In the ASM, data were collected on the product classes (seven-digit codes).

Shipments include both commercial shipments and transfers of products to other plants of the same company.

# Appendix B.

## Coverage and Methodology

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### DESCRIPTION OF THE ASM SURVEY SAMPLE

The ASM sample is selected at 5-year intervals. A new sample is introduced for the second survey year subsequent to each census. Since 1999 was the second survey year following the 1997 census, a new sample was selected based on the 1997 census.

In 1997, both the Census and ASM converted from the SIC system to NAICS for purposes of assigning industrial classifications to establishments. For the most part, the overall scope of the manufacturing sector is similar under both classification systems; however, there are selected activities that are classified as manufacturing under SIC that are considered as nonmanufacturing under NAICS. The reverse is also true.

In 1997, there were approximately 366,000 individual manufacturing establishments. For sample efficiency and cost considerations, the 1997 manufacturing population was partitioned into two components: a mail stratum and a nonmail stratum.

#### Mail stratum

The mail stratum of the survey is comprised of larger single-location manufacturing companies and all manufacturing establishments of multiunit companies (companies that operate at more than one physical location). Approximately 200,000 of the 366,000 establishments in the 1997 census were assigned to the mail stratum.

On an annual basis, the mail stratum is supplemented with larger, newly active single-location companies identified from a list provided by the Internal Revenue Service (IRS) and new manufacturing locations of multiunit companies identified from the Census Bureau's Company Organization Survey (COS).

For the 1999 survey, a new sample of approximately 52,000 individual establishments was selected from the mail stratum assembled from the 1997 census. Supplemental samples representing both 1998 and 1999 births (newly active establishments that were not included in the 1997 census) were also selected. Establishments selected for the sample will be mailed an ASM survey questionnaire for each year through 2003.

The 1999-2003 ASM sample design is similar to the one used since 1984. Several adjustments were made, however, to the arbitrary certainty portion of the sample. Companies in the 1997 Census of Manufactures with manufacturing shipments of at least \$1 billion were defined as company certainties. (This cutoff was raised for 1999 to

compensate for inflation.) For these large companies, each manufacturing establishment is included in the mail sample. For the 1999-2003 sample, there are approximately 500 certainty companies collectively accounting for over 14,000 establishments.

For the remaining portion of the mail component of the survey, the establishment was defined as the sample unit. All establishments with 500 employees or more were defined as employment certainties. (This was raised from 250 in the 1994 sample.) In addition, all establishments producing electronic computers were defined as certainties. A final certainty category, small industry certainties, was added for the 1999 sample. This category assured that all establishments of small industries (20 establishments or less) were included in the sample. Across these four arbitrary certainty classes, there were approximately 16,600 establishments included in the sample with certainty. Collectively, these certainty establishments accounted for approximately 62 percent of the total value of shipments in the 1997 Census of Manufactures.

Smaller establishments in the remaining portion of the mail stratum were sampled with probabilities ranging from .02 to 1.00. The initial probabilities of selection assigned to these establishments were proportionate to a measure-of-size determined for each establishment. The measure-of-size was a function of the establishment's 1997 industry classification and its 1997 product class data. For each product class and industry, a desired reliability constraint was specified. The product class constraints were based on product class size (1997 shipments) while the industry constraints were a function of both current size (1997 shipments) and change in size since 1992. Using a technique developed by Dr. James R. Chromy of the Research Triangle Institute, the initial establishment probabilities were optimized such that the expected sample satisfied all industry and product class reliability constraints while the sample size was minimized. This technique reduces the likelihood of selecting nonrepresentative samples for individual product classes or industries.

This method of assigning probabilities based on product class shipments is motivated by our primary desire to produce reliable estimates of both product class and industry shipments. The high correlation between shipments and employment, value-added, and other general statistics assures that these variables will also be well represented by the sample. The actual sample selection procedure uses an independent chance of selection method (Poisson sampling).

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## Nonmail component

The initial nonmail component of the ASM traditionally consists solely of small, single-establishment companies from the census of manufactures. For 1999, the initial nonmail component also included approximately 3,600 single-establishment companies that were rotated from the mail stratum to the nonmail stratum in order to prevent their selection in consecutive sample panels. The combined initial nonmail component of the 1999 sample universe contained approximately 166,000 single-establishment companies from the 1997 Census of Manufactures. The nonmail stratum is also supplemented annually using the list of newly active single-location companies provided by the IRS and payroll cutoffs. Companies with payroll below the payroll cutoff are added to the nonmail stratum.

For this portion of the population, sampling is not used. The data for this group are estimated based on selected information obtained annually from the administrative records of the IRS and Social Security Administration (SSA). This administrative information, which includes payroll, total employment, industry classification, and physical location, is obtained under conditions that safeguard the confidentiality of both tax and census records.

## DESCRIPTION OF THE ASM ESTIMATING PROCEDURE

Most of the ASM estimates derived for the mail stratum are computed using a difference estimator. At the establishment level, there is a strong correlation between the current-year data values and the corresponding 1997 (base) data values. Therefore, within the mailed stratum, for each item at each level of aggregation, an estimate of the “difference” between the current year and the base year is computed from sample cases and added to the corresponding base-year values. For the 1999-2002 ASM estimates, the 1997 Census of Manufactures values serve as the base year. For the 2003 ASM, the base will be updated to the 2002 Economic Census - Manufacturing.

Because of the positive year-to-year correlation, estimates derived using this methodology are generally more reliable than comparable estimates developed from the current sample data alone. Estimates for the capital expenditures variables are not generated using the difference estimator because the year-to-year correlations are considerably weaker. The standard linear estimator is used for these variables.

For the nonmail stratum, estimates for payroll and employment are directly tabulated from the administrative-record data provided by IRS and SSA. Estimates of data other than payroll and employment are developed from industry averages. Although the nonmail stratum contains approximately 202,000 individual establishments in 1999, it accounts for only 2 percent of the estimate for total value of shipments at the total manufacturing level.

Corresponding estimates for the mail and nonmail components are combined to produce the estimates included in this publication.

## QUALIFICATIONS OF THE ASM DATA

The estimates developed from the sample are apt to differ somewhat from the results of a survey covering all companies in the sample lists but otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of estimates.

The particular sample selected for the ASM is one of many similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretically comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data for selected ASM statistics in this report. They are represented in the form of relative standard errors (the standard errors divided by the estimated values to which they refer).

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, complete-coverage value for specified percentages of all the possible samples).

The complete-coverage value would be included in the range:

- From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.
- From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.
- From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence

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that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected during the Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some

extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

# Appendix C.

## Product Classes Primary to More Than One Industry and Current Industrial Reports by Product Class Codes

Product code	CIR survey	CIR description	Products primary
311211A .....	.....	.....	3118220
3113204.....	.....	.....	3113301
3113301.....	MA311D....	Confectionery .....	3113204
3113401.....	MA311D....	Confectionery .....	
3113404.....	MA311D....	Confectionery .....	
311611G .....	.....	.....	3116121
311611J.....	.....	.....	3116124
311611M.....	.....	.....	3116127
3116121.....	.....	.....	311611G
3116124.....	.....	.....	311611J
3116127.....	.....	.....	311611M
3118220.....	.....	.....	311211A
3131111.....	MA313F....	Yarn Production .....	
3131113.....	MA313F....	Yarn Production .....	
3131115.....	MA313F....	Yarn Production .....	
3131117.....	MA313F....	Yarn Production .....	
3131119.....	MA313F....	Yarn Production .....	
313111C.....	MQ313D....	Consumption on the Woolen System .....	
3131125.....	MA313F....	Yarn Production .....	
3132101.....	MQ313T....	Broadwoven Fabrics .....	
3132103.....	MQ313T....	Broadwoven Fabrics .....	
3132105.....	MQ313T....	Broadwoven Fabrics .....	
3132107.....	MQ313T....	Broadwoven Fabrics .....	
3132109.....	.....	.....	3133111
313210B.....	.....	.....	3141295
313210E.....	MQ313T....	Broadwoven Fabrics .....	
313210G.....	MQ313T....	Broadwoven Fabrics .....	
313210H.....	MQ313T....	Broadwoven Fabrics .....	
313210J.....	MQ313T....	Broadwoven Fabrics .....	
313210L.....	MQ313T....	Broadwoven Fabrics .....	
313210M.....	MQ313T....	Broadwoven Fabrics .....	
313210N.....	MQ313T....	Broadwoven Fabrics .....	
313210P.....	.....	.....	3133115
313210Q.....	.....	.....	3141293
313210T.....	MQ313T....	Broadwoven Fabrics .....	
313210U.....	.....	.....	3133119
3132411.....	MA313K....	Knit Fabric Production .....	
3132491.....	MA313K....	Knit Fabric Production .....	
3133111.....	.....	.....	3132109
3133115.....	.....	.....	313210P
3141101.....	MA314Q....	Carpets and Rugs .....	
3141103.....	MA314Q....	Carpets and Rugs .....	
3141105.....	MA314Q....	Carpets and Rugs .....	
3141293.....	MQ314X....	Bed and Bath Furnishings .....	313210Q
3141295.....	MQ314X....	Bed and Bath Furnishings .....	313210B
3149920.....	MQ313T....	Broadwoven Fabrics .....	
3152211.....	MQ315A....	Apparel.....	
3152213.....	MQ315A....	Apparel.....	
3152215.....	MQ315A....	Apparel.....	
3152221.....	MQ315A....	Apparel.....	
3152223.....	MQ315A....	Apparel.....	
3152225.....	MQ315A....	Apparel.....	
3152227.....	MQ315A....	Apparel.....	
3152231.....	MQ315A....	Apparel.....	
3152233.....	MQ315A....	Apparel.....	
3152241.....	MQ315A....	Apparel.....	
3152243.....	MQ315A....	Apparel.....	
3152251.....	MQ315A....	Apparel.....	
3152253.....	MQ315A....	Apparel.....	
3152281.....	MQ315A....	Apparel.....	

# Appendix C.

## Product Classes Primary to More Than One Industry and Current Industrial Reports by Product Class Codes—Con.

Product code	CIR survey	CIR description	Products primary
3152283.....	MQ315A....	Apparel.....	
3152311.....	MQ315A....	Apparel.....	
3152313.....	MQ315A....	Apparel.....	
3152315.....	MQ315A....	Apparel.....	
3152317.....	MQ315A....	Apparel.....	
3152319.....	MQ315A....	Apparel.....	
3152321.....	MQ315A....	Apparel.....	
3152323.....	MQ315A....	Apparel.....	
3152330.....	MQ315A....	Apparel.....	
3152341.....	MQ315A....	Apparel.....	
3152343.....	MQ315A....	Apparel.....	
3152345.....	MQ315A....	Apparel.....	
3152347.....	MQ315A....	Apparel.....	
3152391.....	MQ315A....	Apparel.....	
3152393.....	MQ315A....	Apparel.....	
3152395.....	MQ315A....	Apparel.....	
3152397.....	MQ315A....	Apparel.....	
3152910.....	MQ315A....	Apparel.....	
3152991.....	MQ315A....	Apparel.....	
3152993.....	MQ315A....	Apparel.....	
3159921.....	MA315D....	Gloves and Mittens.....	315191G
3159923.....	MA315D....	Gloves and Mittens.....	
3159925.....	MA315D....	Gloves and Mittens.....	
3162111.....	MA316A....	Footwear.....	
3162114.....	MA316A....	Footwear.....	
3162120.....	MA316A....	Footwear.....	
3162130.....	MA316A....	Footwear.....	
3162140.....	MA316A....	Footwear.....	
3162190.....	MA316A....	Footwear.....	
322121J.....	.....	.....	3222911
322121L.....	.....	.....	3222913
322121N.....	.....	.....	3222915
3222911.....	.....	.....	322121J
3222913.....	.....	.....	322121L
3222915.....	.....	.....	322121N
324110G.....	.....	.....	3241910
324110P.....	.....	.....	3251104
3241910.....	.....	.....	324110G
3241991.....	.....	.....	3311111
3251104.....	.....	.....	324110P
3251201.....	MQ325C....	Industrial Gases.....	
3251204.....	MQ325C....	Industrial Gases.....	
3251207.....	MQ325C....	Industrial Gases.....	
325120A.....	MQ325C....	Industrial Gases.....	
325120D.....	MQ325C....	Industrial Gases.....	
3251311.....	MQ325A....	Inorganic Chemicals.....	
3251317.....	MQ325A....	Inorganic Chemicals.....	
3251811.....	MQ325A....	Inorganic Chemicals.....	
3251814.....	MQ325A....	Inorganic Chemicals.....	
3251817.....	MQ325A....	Inorganic Chemicals.....	
3251881.....	MQ325B....	Fertilizer Materials.....	
3251884.....	MQ325A....	Inorganic Chemicals.....	
3251887.....	MQ325A....	Inorganic Chemicals.....	
325188A.....	MQ325A....	Inorganic Chemicals.....	
325188G.....	MQ325A....	Inorganic Chemicals.....	
3253111.....	MQ325B....	Fertilizer Materials.....	
3253114.....	MQ325B....	Fertilizer Materials.....	
3253121.....	MQ325B....	Fertilizer Materials.....	
3253124.....	MQ325A....	Inorganic Chemicals.....	
.....	MQ325B....	Fertilizer Materials.....	
3253127.....	.....	.....	3253140
3253140.....	.....	.....	3253127
3254121.....	MA325G....	Pharmaceutical Preparations.....	
3254124.....	MA325G....	Pharmaceutical Preparations.....	



# Appendix C.

## Product Classes Primary to More Than One Industry and Current Industrial Reports by Product Class Codes—Con.

Product code	CIR survey	CIR description	Products primary
3254127	MA325G	Pharmaceutical Preparations	
325412A	MA325G	Pharmaceutical Preparations	
325412D	MA325G	Pharmaceutical Preparations	
325412G	MA325G	Pharmaceutical Preparations	
325412L	MA325G	Pharmaceutical Preparations	
325412P	MA325G	Pharmaceutical Preparations	
325412T	MA325G	Pharmaceutical Preparations	
3255101	MA325F	Paint and Allied Products	
3255104	MA325F	Paint and Allied Products	
3255107	MA325F	Paint and Allied Products	
325510A	MA325F	Paint and Allied Products	
3261996	MA315D	Gloves and Mittens	
3262995	MA315D	Gloves and Mittens	
3271210	MQ327D	Clay Construction Products	
3271220	MQ327D	Clay Construction Products	
3271231	MQ327D	Clay Construction Products	
3271240	MA327C	Refractories	
3271250	MA327C	Refractories	
3272111	MA327A	Flat Glass	
3272113			3272157
3272123	MA327E	Glassware	3272151
3272125	MA327E	Glassware	3272127, 3272153
3272127	MA327E	Glassware	3272125, 3272153
3272129	MA327E	Glassware	3272155
3272130	M327G	Glass Containers	
3272151	MA327E	Glassware	3272123
3272153	MA327E	Glassware	3272125, 3272127
3272155	MA327E	Glassware	3272129
3272157			3272113
327215A	MA335J	Insulated Wire and Cable	
3274100	MA327C	Refractories	
3279920	MA327C	Refractories	
3311111			3241991
3311113	MA331B	Steel Mill Products	
3311115	MA331B	Steel Mill Products	
3311117	MA331B	Steel Mill Products	
3311119	MA331B	Steel Mill Products	3312225
331111B	MA331B	Steel Mill Products	3312100
331111D	MA331B	Steel Mill Products	3312211
331111F	MA331B	Steel Mill Products	3312213
331111H			3321115
331111J			3321117
331111L	MA331B	Steel Mill Products	
3312100	MA331B	Steel Mill Products	311111B
3312211	MA331B	Steel Mill Products	331111D
3312213	MA331B	Steel Mill Products	331111F
3312221	MA331B	Steel Mill Products	3326181
3312223	MA331B	Steel Mill Products	3326189
3312225	MA331B	Steel Mill Products	3311119
3312227	MA331B	Steel Mill Products	3326187
3312229	MA331B	Steel Mill Products	3326183
331222B	MA331B	Steel Mill Products	332618B
3313110	MA325A	Inorganic Chemicals	
3313121			3313141, 3313199
3313123			3313143, 331319C
3313141			3313121, 3313199
3313143			3313123, 331319C
3313191			3313197
3313197			3313191
3313199			3313121, 3313141
331319A			3314223, 3314917, 3326185
331319C			3313123, 3313143
3314110			3314230
3314193			3314927

# Appendix C.

## Product Classes Primary to More Than One Industry and Current Industrial Reports by Product Class Codes—Con.

Product code	CIR survey	CIR description	Products primary
3314197			3314929
3314199			3314923, 331492A
3314211			3314221
3314221			3314211
3314223			331319A, 3314917, 3326185
3314230			3314110
3314911			3314919, 331491C, 3314915
3314915			3314911, 3314919, 331491C
3314917			331319A, 3314223, 3326185
3314919			3314911, 331491C, 3314915
331491C			3314911, 3314919, 3314915
331491E	MA335J	Insulated Wire and Cable	335999B
331491G	MA335J	Insulated Wire and Cable	
3314923			3314199, 331492A
3314927			3314193
3314929			3314197
331492A			3314923, 3314199
3321115			331111H
3321117			331111J
3326181			3312221
3326183			3312229
3326185			331319A, 3314223, 3314917
3326187			3312227
3326189			3312223
332618B			331222B
332911F	MA334B	Selected Instruments and Related Products	
332911H	MA334B	Selected Instruments and Related Products	
3329121	MA333N	Fluid Power Products	
3329123	MA333N	Fluid Power Products	
3329125	MA333N	Fluid Power Products	
3329127	MA333N	Fluid Power Products	
3329129	MA333N	Fluid Power Products	
332912B	MA333N	Fluid Power Products	
332912D	MA333N	Fluid Power Products	
332912F	MA333N	Fluid Power Products	
332912H	MA333N	Fluid Power Products	
332912J	MA333N	Fluid Power Products	
332912L	MA333N	Fluid Power Products	
332912N	MA333N	Fluid Power Products	
3329911	MA332Q	Antifriction Bearings	
3329913	MA332Q	Antifriction Bearings	
3329915	MA332Q	Antifriction Bearings	
3329917	MA332Q	Antifriction Bearings	
3329919	MA332Q	Antifriction Bearings	
3331111	MA333A	Farm Machinery and Lawn and Garden Equipment	
3331113	MA333A	Farm Machinery and Lawn and Garden Equipment	
3331117	MA333A	Farm Machinery and Lawn and Garden Equipment	
3331119	MA333A	Farm Machinery and Lawn and Garden Equipment	
333111A	MA333A	Farm Machinery and Lawn and Garden Equipment	
333111C	MA333A	Farm Machinery and Lawn and Garden Equipment	
333111E	MA333A	Farm Machinery and Lawn and Garden Equipment	
333111G	MA333A	Farm Machinery and Lawn and Garden Equipment	
333111J	MA333A	Farm Machinery and Lawn and Garden Equipment	
3331121	MA333A	Farm Machinery and Lawn and Garden Equipment	
3331123	MA333A	Farm Machinery and Lawn and Garden Equipment	
3331127	MA333A	Farm Machinery and Lawn and Garden Equipment	
3331201	MA333D	Construction Machinery	
3331208	MA333F	Mining Machinery	
3331311	MA333F	Mining Machinery	
3331315	MA333F	Mining Machinery	
3331317	MA333F	Mining Machinery	
3331327	MA333F	Mining Machinery	
3333134	MA334R	Computers and Office Machines	
333313A	MA334R	Computers and Office Machines	

# Appendix C.

## Product Classes Primary to More Than One Industry and Current Industrial Reports by Product Class Codes—Con.

Product code	CIR survey	CIR description	Products primary
333313D	MA334R	Computers and Office Machines	
3333141	MA334B	Selected Instruments and Related Products	
3333143	MA334B	Selected Instruments and Related Products	
3333197	MA334P	Communication and Other Electronic Equipment	
3334111	MA333J	Industrial Air Pollution Control Equipment	
3334151	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment	
3334155	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment	
3334156	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment	
333415A	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment	
333415C	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment	
333415E	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment	
333415F	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment	
333415G	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment	
3335122	MQ333W	Metalworking Machinery	
3335123	MQ333W	Metalworking Machinery	
3335124	MQ333W	Metalworking Machinery	
3335127	MQ333W	Metalworking Machinery	
3335128	MQ333W	Metalworking Machinery	
3335129	MQ333W	Metalworking Machinery	
333512A	MQ333W	Metalworking Machinery	
3335131	MQ333W	Metalworking Machinery	
3335133	MQ333W	Metalworking Machinery	
3335135	MQ333W	Metalworking Machinery	
3336181	MA333L	Internal Combustion Engines	
3336183	MA333L	Internal Combustion Engines	
3336185	MA333L	Internal Combustion Engines	
3336189	MA333L	Internal Combustion Engines	
3339111	MA333P	Pumps and Compressors	
3339115	MA333P	Pumps and Compressors	
3339121	MA333P	Pumps and Compressors	
3339125	MA333P	Pumps and Compressors	
3339237	MA333D	Construction Machinery	
3339951	MA333N	Fluid Power Products	
3339953	MA333N	Fluid Power Products	
3339955	MA333N	Fluid Power Products	
3339957	MA333N	Fluid Power Products	
3339961	MA333N	Fluid Power Products	
3339963	MA333N	Fluid Power Products	
3339965	MA333N	Fluid Power Products	
3339967	MA333N	Fluid Power Products	
3339969	MA333N	Fluid Power Products	
3339993	MA333N	Fluid Power Products	
3339994	MA333N	Fluid Power Products	
3339996	MA333N	Fluid Power Products	
3339998	MA333N	Fluid Power Products	
3341111	MA334R	Computers and Office Machines	
3341117	MA334R	Computers and Office Machines	
334111D	MA334R	Computers and Office Machines	
3341121	MA334R	Computers and Office Machines	
3341124	MA334R	Computers and Office Machines	
3341131	MA334R	Computers and Office Machines	
3341134	MA334R	Computers and Office Machines	
3341191	MA334R	Computers and Office Machines	
3341194	MA334R	Computers and Office Machines	
3341197	MA334R	Computers and Office Machines	
3342101	MA334P	Communication and Other Electronic Equipment	
3342104	MA334P	Communication and Other Electronic Equipment	
3342107	MA334P	Communication and Other Electronic Equipment	
3342201	MA334P	Communication and Other Electronic Equipment	
3342203	MA334P	Communication and Other Electronic Equipment	
	MA334Q	Semiconductors and Electronic Components	
3342207	MA334Q	Semiconductors and Electronic Components	
3342901	MA334P	Communication and Other Electronic Equipment	
3342902	MA334P	Communication and Other Electronic Equipment	

## Appendix C.

### Product Classes Primary to More Than One Industry and Current Industrial Reports by Product Class Codes—Con.

Product code	CIR survey	CIR description	Products primary
3342903.....	MA334P....	Communication and Other Electronic Equipment.....	
3343101.....	MA334M....	Consumer Electronics.....	
3343102.....	MA334M....	Consumer Electronics.....	
3343103.....	MA334M....	Consumer Electronics.....	
3343104.....	MA334M....	Consumer Electronics.....	
3344111.....	MA334Q....	Semiconductors and Electronic Components.....	
3344114.....	MA334Q....	Semiconductors and Electronic Components.....	
3344117.....	MA334Q....	Semiconductors and Electronic Components.....	
3344120.....	MA334Q....	Semiconductors and Electronic Components.....	
3344131.....	MA334Q....	Semiconductors and Electronic Components.....	
3344134.....	MA334Q....	Semiconductors and Electronic Components.....	
3344137.....	MA334Q....	Semiconductors and Electronic Components.....	
334413A.....	MA334Q....	Semiconductors and Electronic Components.....	
3344140.....	MA334Q....	Semiconductors and Electronic Components.....	
3344150.....	MA334Q....	Semiconductors and Electronic Components.....	
3344160.....	MA334B....	Selected Instruments and Related Products.....	
	MA334P....	Communication and Other Electronic Equipment.....	
	MA334Q....	Semiconductors and Electronic Components.....	
3344171.....	MA334Q....	Semiconductors and Electronic Components.....	
3344174.....	MA334Q....	Semiconductors and Electronic Components.....	
3344177.....	MA334Q....	Semiconductors and Electronic Components.....	
334417A.....	MA334Q....	Semiconductors and Electronic Components.....	
334417D.....	MA334Q....	Semiconductors and Electronic Components.....	
3344184.....	MA334P....	Communication and Other Electronic Equipment.....	
334418A.....	MA334R....	Computers and Office Machines.....	
3344191.....	MA334Q....	Semiconductors and Electronic Components.....	
3344194.....	MA334Q....	Semiconductors and Electronic Components.....	
3344197.....	MA334Q....	Semiconductors and Electronic Components.....	
334419D.....	MA334Q....	Semiconductors and Electronic Components.....	
3345101.....	MA334S....	Electromedical and Irradiation Equipment.....	
3345111.....	MA334B....	Selected Instruments and Related Products.....	
3345113.....	MA334B....	Selected Instruments and Related Products.....	
3345120.....	MA334B....	Selected Instruments and Related Products.....	
3345130.....	MA334B....	Selected Instruments and Related Products.....	
3345141.....	MA334B....	Selected Instruments and Related Products.....	
3345143.....	MA334B....	Selected Instruments and Related Products.....	
3345145.....	MA334B....	Selected Instruments and Related Products.....	
3345151.....	MA334B....	Selected Instruments and Related Products.....	
3345153.....	MA334B....	Selected Instruments and Related Products.....	
3345155.....	MA334B....	Selected Instruments and Related Products.....	
3345160.....	MA334B....	Selected Instruments and Related Products.....	
3345170.....	MA334S....	Electromedical and Irradiation Equipment.....	
3345191.....	MA334B....	Selected Instruments and Related Products.....	
3345193.....	MA334B....	Selected Instruments and Related Products.....	
3345195.....	MA334B....	Selected Instruments and Related Products.....	
3345197.....	MA334B....	Selected Instruments and Related Products.....	
3345199.....	MA334B....	Selected Instruments and Related Products.....	
3346130.....	MA334R....	Computers and Office Machines.....	
3351211.....	MA335L....	Electric Lighting Fixtures.....	
3351221.....	MA335L....	Electric Lighting Fixtures.....	
3351222.....	MA335L....	Electric Lighting Fixtures.....	
3351291.....	MA335L....	Electric Lighting Fixtures.....	
3352111.....	MA335E....	Electric Housewares and Fans.....	
3352113.....	MA335E....	Electric Housewares and Fans.....	
3352115.....	MA335E....	Electric Housewares and Fans.....	
3352211.....	MA335F....	Major Household Appliances.....	
3352213.....	MA335F....	Major Household Appliances.....	
3352215.....	MA335F....	Major Household Appliances.....	
3352221.....	MA335F....	Major Household Appliances.....	
3352222.....	MA335F....	Major Household Appliances.....	
3352223.....	MA335F....	Major Household Appliances.....	
3352240.....	MA335F....	Major Household Appliances.....	
3352281.....	MA335F....	Major Household Appliances.....	
3352283.....	MA335F....	Major Household Appliances.....	

## Appendix C.

### Product Classes Primary to More Than One Industry and Current Industrial Reports by Product Class Codes—Con.

Product code	CIR survey	CIR description	Products primary
3352285.....	MA335F....	Major Household Appliances .....	
3353115.....	MQ335C....	Fluorescent Lamp Ballasts .....	
3353121.....	MA335H....	Motors and Generators .....	
3353123.....	MA335H....	Motors and Generators .....	
3353127.....	MA335H....	Motors and Generators .....	
3353129.....	MA335H....	Motors and Generators .....	
335312A.....	MA335H....	Motors and Generators .....	
335312C.....	MA335H....	Motors and Generators .....	
3353131.....	MA335A....	Switchgear and Industrial Controls .....	
3353133.....	MA335A....	Switchgear and Industrial Controls .....	
3353135.....	MA335A....	Switchgear and Industrial Controls .....	
3353137.....	MA335A....	Switchgear and Industrial Controls .....	
3353139.....	MA335A....	Switchgear and Industrial Controls .....	
335313A.....	MA335A....	Switchgear and Industrial Controls .....	
3353141.....	MA335A....	Switchgear and Industrial Controls .....	
3353143.....	MA335A....	Switchgear and Industrial Controls .....	
3353145.....	MA335A....	Switchgear and Industrial Controls .....	
3353147.....	MA335A....	Switchgear and Industrial Controls .....	
3359210.....	MA335J....	Insulated Wire and Cable .....	
3359291.....	MA335J....	Insulated Wire and Cable .....	
335929A.....	MA335J....	Insulated Wire and Cable .....	
335929B.....	MA335J....	Insulated Wire and Cable .....	
335929C.....	MA335J....	Insulated Wire and Cable .....	
335929D.....	MA335J....	Insulated Wire and Cable .....	
335929E.....	MA335J....	Insulated Wire and Cable .....	
3359311.....	MA335K....	Wiring Devices and Supplies .....	
3359313.....	MA335K....	Wiring Devices and Supplies .....	
3359315.....	MA335K....	Wiring Devices and Supplies .....	
3359319.....	MA335K....	Wiring Devices and Supplies .....	
335931A.....	MA335K....	Wiring Devices and Supplies .....	
3359321.....	MA335K....	Wiring Devices and Supplies .....	
3359323.....	MA335K....	Wiring Devices and Supplies .....	
3359325.....	MA335K....	Wiring Devices and Supplies .....	
3359997.....	MA334P....	Communication and Other Electronic Equipment.....	
335999B.....	.....	.....	331491E
335999C.....	MA334P....	Communication and Other Electronic Equipment.....	
3364113.....	M336G....	Civil Aircraft and Aircraft Engines .....	
3364123.....	M336G....	Civil Aircraft and Aircraft Engines .....	
3391110.....	MA334B....	Selected Instruments and Related Products .....	
	MA333P....	Pumps and Compressors .....	