

Value of Product Shipments

1998

Issued August 2000

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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
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Introduction

SCOPE

The Annual Survey of Manufacturers (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 1998 Annual Survey of Manufactures (ASM). Three reports are issued from this survey.

The report *Statistics for Industry Groups and Industries* presents 1997 and 1998 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 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 (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; i.e., 1998 data are expressed in 1998 dollars, and 1997 data, in 1997 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.

Value of Shipments for Product Classes: 1998 and 1997

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311111	Dog and cat food	1998..	8 705 147	1
		1997..	8 261 844	X
3111111	Dog food	1998..	5 542 353	1
		1997..	5 256 377	X
3111114	Cat food	1998..	2 899 787	1
		1997..	2 790 596	X
311111W	Dog and cat food, nsk, total	1998..	263 007	40
		1997..	214 871	X
311119	Other animal food products	1998..	17 194 495	2
		1997..	17 776 726	X
3111191	Chicken and turkey feed, supplements, concentrates, and premixes	1998..	7 629 466	1
		1997..	8 136 813	X
3111194	Dairy cattle feed, complete	1998..	1 516 044	1
		1997..	1 599 474	X
3111197	Dairy cattle feed supplements, concentrates, and premixes	1998..	865 881	2
		1997..	905 155	X
311119A	Swine feed, complete	1998..	581 980	9
		1997..	581 842	X
311119D	Swine feed supplements, concentrates, and premixes	1998..	767 555	4
		1997..	981 825	X
311119G	Beef cattle feed, complete	1998..	727 829	13
		1997..	613 154	X
311119J	Beef cattle feed supplements, concentrates, and premixes	1998..	595 139	9
		1997..	616 961	X
311119M	Other poultry and livestock feed, nec	1998..	715 196	4
		1997..	676 368	X
311119P	Other prepared animal feed, including feeding materials and adjuncts, nec	1998..	621 291	3
		1997..	651 735	X
311119T	Specialty feed	1998..	934 691	6
		1997..	892 628	X
311119W	Prepared feeds, nec, nsk, total	1998..	2 239 423	30
		1997..	2 120 771	X
311211	Flour and other grain mill products	1998..	7 423 229	1
		1997..	7 881 131	X
3112111	Wheat flour, except flour mixes	1998..	4 644 711	1
		1997..	5 186 016	X
3112114	Wheat mill products other than flour	1998..	648 458	3
		1997..	788 755	X
3112117	Corn mill products	1998..	870 067	1
		1997..	903 232	X
311211A	Flour mixes, and refrigerated and frozen doughs and batters made in flour mills\$	1998..	653 260	1
		1997..	517 430	X
311211D	Other grain mill products, nec	1998..	207 834	1
		1997..	196 996	X
311211W	Flour and other grain mill products, nsk, total	1998..	398 898	20
		1997..	288 702	X
311212	Rice	1998..	2 098 083	3
		1997..	2 157 622	X
3112120	Milled rice and byproducts	1998..	2 098 083	31
		1997..	2 157 622	X
311213	Malt beverages	1998..	631 833	6
		1997..	783 395	X
3112130	Barley, rye, wheat, corn, and rice malt sprouts and malt byproducts (screenings, chaff, skimmings, etc.)	1998..	631 833	6
		1997..	783 395	X
311221	Wet corn products	1998..	7 166 793	1
		1997..	7 188 399	X
3112211	Corn sweeteners	1998..	2 983 421	1
		1997..	3 056 213	X
3112214	Manufactured starch	1998..	1 449 691	1
		1997..	1 526 122	X
3112217	Corn oil	1998..	1 097 757	1
		1997..	980 394	X
311221A	Wet process corn byproducts	1998..	1 584 812	1
		1997..	1 585 020	X
311221W	Wet corn milling, nsk, total	1998..	51 113	1
		1997..	40 650	X
311222	Soybean products	1998..	11 039 444	1
		1997..	12 038 811	X
3112221	Soybean oil	1998..	3 534 382	1
		1997..	3 161 878	X
3112224	Soybean cake, meal, and other byproducts	1998..	7 427 236	1
		1997..	8 824 896	X
311222W	Soybean processing, nsk, total	1998..	77 827	1
		1997..	52 037	X
311223	Other oilseed products	1998..	1 620 399	3
		1997..	1 669 775	X
3112231	Cottonseed oil, crude	1998..	103 790	29
		1997..	100 668	X
3112234	Cottonseed oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products)	1998..	184 443	18
		1997..	165 630	X
3112237	Cotton linters	1998..	71 460	6
		1997..	82 913	X
311223A	Cottonseed cake and meal and other byproducts	1998..	299 213	7
		1997..	380 893	X
311223D	Linseed oil	1998..	72 881	1
		1997..	110 134	X
311223G	Vegetable oils, nec	1998..	638 271	1
		1997..	595 875	X
311223J	Other vegetable oil mill products, nec	1998..	D	X
		1997..	D	X
311223W	Other oilseed products, nsk, total	1998..	D	X
		1997..	D	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311225	Refined or blended fats and oils	1998.. 8 367 164	1
		1997.. 7 788 001	X
3112251	Shortening and cooking oils (edible)	1998.. 6 841 923	1
		1997.. 6 166 828	X
3112254	Margarine, including butter blends	1998.. 1 294 148	8
		1997.. 1 360 132	X
311225W	Fats and oils refining and blending, nsk, total	1998.. 231 093	23
		1997.. 261 041	X
311230	Breakfast cereals and related products	1998.. 7 945 941	1
		1997.. 7 446 787	X
3112301	Ready-to-serve cereal breakfast foods, except infant cereals	1998.. 7 015 000	1
		1997.. 6 729 803	X
3112304	Other cereal breakfast foods, nec	1998.. 860 218	1
		1997.. 690 561	X
311230W	Cereal breakfast foods, nsk, total	1998.. 70 723	2
		1997.. 26 423	X
311311	Sugarcane products	1998.. 1 547 997	3
		1997.. 1 462 054	X
3113110	Sugarcane mill products and byproducts	1998.. 1 547 997	3
		1997.. 1 462 054	X
311312	Cane sugar refining	1998.. 3 294 203	1
		1997.. 3 186 963	X
3113120	Refined cane sugar and byproducts	1998.. 3 294 203	1
		1997.. 3 186 963	X
311313	Beet sugar mfg	1998.. 2 539 663	1
		1997.. 2 619 463	X
3113130	Refined beet sugar and byproducts	1998.. 2 539 663	X
		1997.. 2 619 463	X
311320	Chocolate and confectionery products made from cacao beans	1998.. 4 294 843	5
		1997.. 3 670 691	X
3113201	Chocolate coatings	1998.. 808 387	6
		1997.. 639 816	X
3113204	Chocolate and chocolate-type confectionery products made from cacao beans ground in the same establishment\$	1998.. 2 244 603	1
		1997.. 1 916 439	X
3113207	Other chocolate and cocoa products, nec	1998.. 1 221 258	17
		1997.. 1 022 816	X
311320W	Chocolate and confectionery-type products made from cacao beans, nsk, total	1998.. 20 594	A
		1997.. 91 620	X
311330	Confectionery products made from purchased chocolate	1998.. 7 188 091	1
		1997.. 7 027 945	X
3113301	Chocolate and chocolate-type confectionery products made from purchased chocolate@ \$	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	1998.. 194 281	4
		1997.. 149 559	X
311330W	Chocolate and chocolate-type confectionery products manufactured and sold at retail, nsk, total	1998.. 380 622	4
		1997.. 225 070	X
311340	Nonchocolate confectionery products	1998.. 6 381 852	1
		1997.. 5 954 390	X
3113401	Nonchocolate-type confectionery products, including bar goods, granola bars, package goods, specialties, etc.@	1998.. 4 587 194	1
		1997.. 4 243 445	X
3113402	Nonchocolate-type confectionery products manufactured and sold at retail	1998.. 32 136	11
		1997.. 28 201	X
3113404	Chewing gum, bubble gum, and chewing gum base@	1998.. 1 334 367	1
		1997.. 1 310 938	X
3113407	Other confectionery-type products, nec	1998.. 211 816	8
		1997.. 159 863	X
311340W	Nonchocolate confectionery products, nsk, total	1998.. 216 340	19
		1997.. 211 943	X
311411	Frozen fruits and vegetables	1998.. 9 583 195	1
		1997.. 9 338 743	X
3114111	Frozen fruits, juices, ades, drinks, and cocktails	1998.. 2 949 671	2
		1997.. 2 859 776	X
3114114	Frozen vegetables	1998.. 6 523 528	1
		1997.. 6 355 659	X
311411W	Frozen fruits and vegetables, nsk, total	1998.. 109 996	64
		1997.. 123 308	X
311412	Frozen specialties, nec	1998.. 10 173 316	1
		1997.. 9 518 344	X
3114121	Frozen dinners (beef, pork, and poultry pies, and nationality foods)	1998.. 7 393 619	1
		1997.. 6 963 497	X
3114124	Other frozen specialties, nec	1998.. 2 373 421	2
		1997.. 2 187 112	X
311412W	Frozen specialties, nec, nsk, total	1998.. 406 276	7
		1997.. 367 735	X
311421	Canned fruits and vegetables	1998.. 18 039 066	1
		1997.. 16 924 097	X
3114211	Canned fruits, except baby foods	1998.. 2 379 983	6
		1997.. 2 287 979	X
3114214	Canned vegetables, except hominy and mushrooms	1998.. 2 706 708	5
		1997.. 2 723 079	X
3114217	Canned hominy and mushrooms	1998.. 189 764	19
		1997.. 148 602	X
311421A	Canned vegetable juices	1998.. 710 852	1
		1997.. 442 438	X
311421D	Catsup and other canned tomato sauces, pastes, etc.	1998.. 4 231 410	1
		1997.. 4 234 497	X
311421G	Canned jams, jellies, and preserves	1998.. 974 810	1
		1997.. 1 007 148	X
311421J	Canned fruit juices, nectars, and concentrates	1998.. 3 361 570	2
		1997.. 2 915 653	X
311421M	Fresh fruit juices and nectars, single strength	1998.. 1 762 983	2
		1997.. 1 426 476	X
311421P	Pickles and other pickled products	1998.. 1 221 666	4
		1997.. 1 232 949	X
311421W	Fruit and vegetable canning, nsk, total	1998.. 499 318	80
		1997.. 505 276	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311422	Specialty canned food products	1998.. 6 340 372	2
		1997.. 6 423 958	X
3114221	Canned baby foods, except cereal and biscuits	1998.. 874 889	1
		1997.. 929 732	X
3114224	Canned soups and stews (except frozen or seafood)	1998.. 2 903 201	1
		1997.. 2 684 750	X
3114227	Canned dry beans	1998.. 1 089 699	14
		1997.. 1 068 249	X
311422A	Other canned specialties and canned nationality foods, nec	1998.. 1 370 450	1
		1997.. 1 463 244	X
311422W	Specialty canning, nsk, total	1998.. 102 133	44
		1997.. 277 983	X
311423	Dried and dehydrated foods	1998.. 3 310 331	1
		1997.. 3 224 732	X
3114231	Soup mixes, including oriental, dried and dehydrated, and freeze-dried	1998.. 788 610	1
		1997.. 718 921	X
3114234	Dried and dehydrated fruits and vegetables (including freeze-dried)	1998.. 2 433 073	1
		1997.. 2 420 005	X
311423W	Dried and dehydrated fruits, vegetables, and soups, nsk, total	1998.. 88 649	68
		1997.. 85 806	X
311511	Fluid milk	1998.. 20 861 523	1
		1997.. 19 636 023	X
3115111	Bulk fluid milk and cream	1998.. 3 582 124	4
		1997.. 3 153 070	X
3115114	Packaged fluid milk and related products, including cartons, bottles, cans, and dispenser cans	1998.. 13 125 608	1
		1997.. 12 560 782	X
3115117	Cottage cheese (including bakers', pot, and farmers' cheese)	1998.. 770 465	3
		1997.. 736 958	X
311511A	Yogurt, except frozen	1998.. 1 450 123	1
		1997.. 1 335 410	X
311511D	Perishable dairy product substitutes	1998.. 562 670	5
		1997.. 477 766	X
311511G	Other packaged milk products, nec	1998.. 1 078 880	4
		1997.. 1 072 214	X
311511W	Fluid milk, nsk, total	1998.. 291 652	29
		1997.. 299 843	X
311512	Creamery butter	1998.. 1 869 408	5
		1997.. 1 636 080	X
3115120	Creamery butter	1998.. 1 869 408	5
		1997.. 1 636 080	X
311513	Cheese	1998.. 20 478 981	2
		1997.. 18 288 465	X
3115131	Natural cheese, except cottage cheese (cheddar, swiss, italian, brick, cream, grated, dried, etc.)	1998.. 14 988 891	3
		1997.. 13 150 881	X
3115134	Process cheese and related products	1998.. 4 571 931	1
		1997.. 4 343 735	X
3115137	Cheese substitutes and imitations	1998.. 326 860	2
		1997.. 345 514	X
311513A	Raw liquid whey	1998.. 127 311	4
		1997.. 113 249	X
311513W	Cheese products, nsk, total	1998.. 463 988	93
		1997.. 335 086	X
311514	Dry, condensed, and evaporated milk	1998.. 8 764 744	2
		1997.. 8 626 251	X
3115141	Dry milk products and mixtures	1998.. 3 327 193	5
		1997.. 3 538 811	X
3115144	Canned milk products (consumer-type cans), except substitutes	1998.. 1 476 384	4
		1997.. 1 426 526	X
3115147	Concentrated milk products shipped in bulk (barrels, drums, and tanks)	1998.. 888 271	12
		1997.. 747 841	X
311514A	Ice cream mixes and related products	1998.. 921 500	1
		1997.. 882 057	X
311514D	Dairy product substitutes	1998.. 1 991 426	2
		1997.. 1 949 744	X
311514W	Dry, condensed, and evaporated milk products, nsk, total	1998.. 159 971	40
		1997.. 81 272	X
311520	Ice cream and frozen desserts	1998.. 5 667 980	3
		1997.. 5 811 152	X
3115200	Ice cream and ices	1998.. 5 667 980	3
		1997.. 5 811 152	X
311611	Animal slaughtering products, except poultry	1998.. 46 715 468	1
		1997.. 50 784 509	X
3116111	Fresh and frozen beef, not canned or made into sausage, made from animals slaughtered in this plant	1998.. 27 505 438	1
		1997.. 28 209 408	X
3116114	Fresh and frozen veal, not canned or made into sausage, made from animals slaughtered in this plant	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	1998.. 356 182	4
		1997.. 375 768	X
311611A	Fresh and frozen pork, not canned or made into sausage, made from animals slaughtered in this plant	1998.. 10 309 001	1
		1997.. 11 811 765	X
311611D	Lard, made from animals slaughtered in this plant	1998.. D	X
		1997.. D	X
311611G	Pork, processed or cured (not canned or made into sausage), made from animals slaughtered in this plant\$	1998.. 2 412 574	1
		1997.. 3 304 828	X
311611J	Sausages and similar products (not canned), made from animals slaughtered in this plant\$	1998.. 1 594 399	2
		1997.. 1 997 959	X
311611M	Canned meats (except dog, cat, and baby food), made from animals slaughtered in this plant\$	1998.. D	X
		1997.. D	X
311611P	Hides, skins, and pelts	1998.. 1 681 265	1
		1997.. 2 068 504	X
311611T	Miscellaneous byproducts of meat packing plants	1998.. 769 754	3
		1997.. 909 156	X
311611W	Fresh and frozen meat from animals slaughtered in this plant, nsk, total	1998.. 1 351 004	A
		1997.. 1 295 339	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311612	Meat processed from carcasses	1998.. 21 991 959 1997.. 22 304 351	1 X
3116121	Pork, processed or cured, including frozen, (not canned or made into sausage), not made in meat packing plants\$	1998.. 5 208 528 1997.. 4 916 030	1 X
3116124	Sausage and similar products, (not canned), not made in meat packing plants\$	1998.. 6 550 263 1997.. 6 527 185	3 X
3116127	Canned meats (except dog, cat, and baby food), containing 20 percent or more meat, not made in meat packing plants\$	1998.. 1 312 270 1997.. 1 142 179	2 X
311612A	Other processed, frozen, or cooked meats, not made in meat packing plants, nec	1998.. 7 905 133 1997.. 7 737 181	2 X
311612W	Meat processed from carcasses, nsk, total	1998.. 1 015 765 1997.. 1 981 776	43 X
311613	Rendering or meat byproducts	1998.. 3 527 400 1997.. 3 838 961	2 X
3116131	Rendering and meat byproduct processing	1998.. 1 207 217 1997.. 1 209 029	4 X
3116134	Animal and marine feed and fertilizer byproducts	1998.. 2 132 321 1997.. 2 406 031	2 X
311613W	Rendering and meat byproduct processing, nsk, total	1998.. 187 813 1997.. 223 901	94 X
311615	Poultry	1998.. 32 205 946 1997.. 31 224 162	1 X
3116151	Young chickens (usually under 20 weeks of age), whole or parts	1998.. 18 431 382 1997.. 16 651 839	1 X
3116154	Hens and-or fowl (including frozen), whole or parts	1998.. 262 704 1997.. 317 900	1 X
3116157	Turkeys (including frozen), whole or parts	1998.. 4 228 064 1997.. 3 966 811	1 X
311615A	Other poultry and small game (including frozen), whole or parts, nec	1998.. 53 881 1997.. 68 672	23 X
311615D	Processed poultry and small game (except soups) containing 20 percent or more poultry or meat	1998.. 8 967 657 1997.. 9 200 202	1 X
311615W	Poultry processing, nsk, total	1998.. 262 258 1997.. 1 018 738	51 X
311711	Seafood canning products	1998.. 1 050 212 1997.. 1 056 527	5 X
3117110	Canned and cured fish and other seafoods, including soup (except frozen seafoods and soup)	1998.. 1 050 212 1997.. 1 056 527	5 X
311712	Fresh and frozen seafood	1998.. 5 727 263 1997.. 5 560 531	3 X
3117121	Prepared fresh fish and other fresh seafood	1998.. 999 335 1997.. 969 899	7 X
3117122	Prepared frozen fish	1998.. 1 933 212 1997.. 1 818 367	6 X
3117123	Prepared frozen shellfish	1998.. 1 560 337 1997.. 1 474 655	4 X
3117124	Other prepared frozen seafoods, nec	1998.. 581 352 1997.. 681 626	4 X
311712W	Fresh and frozen seafood processing, nsk, total	1998.. 653 028 1997.. 615 984	A X
311811	Retail bakery products	1998.. 3 153 425 1997.. 1 915 563	1 X
3118110	Retail bakery products	1998.. 3 153 425 1997.. 1 915 563	52 X
311812	Commercial bakery products	1998.. 19 315 975 1997.. 18 464 973	1 X
3118121	Bread (white, wheat, and rye, etc.), including frozen	1998.. 7 852 081 1997.. 7 190 313	1 X
3118124	Rolls (bread-type), muffins, bagels, and croissants	1998.. 5 274 969 1997.. 5 276 466	1 X
3118127	Soft cakes, except frozen	1998.. 2 389 628 1997.. 2 272 565	1 X
311812A	Pies (fruit, cream, and custard), except frozen	1998.. 485 482 1997.. 544 407	1 X
311812D	Other sweet goods, except frozen, nec	1998.. 2 011 620 1997.. 2 046 923	1 X
311812W	Commercial bakeries, nsk, total	1998.. 1 302 194 1997.. 1 134 299	A X
311813	Frozen bakery products	1998.. 2 599 340 1997.. 2 632 947	3 X
3118130	Frozen bakery products	1998.. 2 599 340 1997.. 2 632 947	3 X
311821	Cookies and crackers	1998.. 8 552 569 1997.. 8 376 657	1 X
3118211	Crackers, soft pretzels, biscuits, and related products	1998.. 3 819 577 1997.. 3 591 183	1 X
3118214	Cookies, wafers, and ice cream cones and cups (except frozen)	1998.. 4 422 760 1997.. 4 620 930	1 X
311821W	Cookie and cracker manufacturing, nsk, total	1998.. 310 232 1997.. 164 544	12 X
311822	Flour mixes and dough made from purchased flour	1998.. 5 068 669 1997.. 5 066 428	1 X
3118220	Flour mixes and refrigerated and frozen doughs and batters not made in flour mills\$	1998.. 5 068 669 1997.. 5 066 428	40 X
311823	Pasta	1998.. 1 534 947 1997.. 1 627 289	1 X
3118230	Macaroni, spaghetti, and egg noodle products (except canned and frozen)	1998.. 1 534 947 1997.. 1 627 289	1 X
311830	Tortillas sold in bulk or packages, not frozen or canned	1998.. 1 099 406 1997.. 964 851	3 X
3118300	Tortillas sold in bulk or packages, not frozen or canned	1998.. 1 099 406 1997.. 964 851	3 X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311911	Roasted nuts or seeds and peanut butter	1998.. 4 246 386 1997.. 3 870 917	5 X
3119111	Nuts and seeds (salted, roasted, cooked, or blanched)	1998.. 3 276 105 1997.. 2 837 083	5 X
3119114	Peanut butter	1998.. 821 958 1997.. 859 183	8 X
311911W	Roasted nuts (or seeds) and peanut butter, nsk, total	1998.. 148 324 1997.. 174 651	75 X
311919	Other snack foods	1998.. 11 006 991 1997.. 9 873 837	3 X
3119191	Potato chips and sticks, plain and flavored	1998.. 4 621 050 1997.. 4 079 899	6 X
3119194	Corn chips and related products	1998.. 4 447 823 1997.. 4 438 780	1 X
3119197	Other chips, sticks (hard pretzels, bacon rinds, popcorn (except candied), etc.), excluding crackers, soft pretzels, and nuts	1998.. 1 736 891 1997.. 1 122 386	5 X
311919W	Other snack foods, nsk, total	1998.. 201 227 1997.. 232 772	12 X
311920	Coffee and tea products	1998.. 7 185 971 1997.. 7 287 191	1 X
3119201	Roasted coffee	1998.. 5 431 719 1997.. 5 564 573	1 X
3119204	Coffee, concentrated (freeze-dried, spray-dried, frozen, or liquid concentrates or extracts, mixtures, etc.)	1998.. 617 981 1997.. 803 125	1 X
3119207	Tea in consumer packages	1998.. 897 103 1997.. 779 886	1 X
311920W	Coffee and tea, nsk, total	1998.. 239 167 1997.. 139 607	81 X
311930	Flavoring syrups and concentrate products	1998.. 8 171 220 1997.. 6 647 019	1 X
3119301	Liquid beverage bases not for use by soft drink bottlers	1998.. 200 175 1997.. 243 083	1 X
3119304	Liquid beverage bases for use by soft drink bottlers	1998.. 4 460 136 1997.. 3 570 847	1 X
3119307	Other flavoring agents (except chocolate syrups), nec	1998.. 3 208 664 1997.. 2 485 017	1 X
311930W	Flavoring syrup and concentrates, nsk, total	1998.. 302 246 1997.. 348 072	38 X
311941	Mayonnaise, dressings, and other prepared sauces	1998.. 5 803 367 1997.. 5 555 423	2 X
3119411	Vinegar and cider	1998.. 225 788 1997.. 233 155	1 X
3119414	Prepared sauces (except tomato)	1998.. 1 930 121 1997.. 1 875 263	4 X
3119417	Mayonnaise, salad dressings, and sandwich spreads	1998.. 3 462 303 1997.. 3 282 608	2 X
311941W	Mayonnaise, dressing, and other prepared sauces, nsk, total	1998.. 185 155 1997.. 164 397	18 X
311942	Spices and extracts	1998.. 4 326 657 1997.. 4 337 342	2 X
3119421	Table salt (evaporated), pepper (black and white), and other spices	1998.. 1 638 373 1997.. 1 713 993	2 X
3119424	Flavoring extracts, emulsions, and other liquid flavors	1998.. 894 679 1997.. 794 115	7 X
3119427	Dry mix food preparations, including dip mixes, salad dressing mixes, seasoning mixes, gravy and sauce mixes, and frosting mixes	1998.. 1 742 224 1997.. 1 786 374	2 X
311942W	Spice and extracts, nsk, total	1998.. 51 381 1997.. 42 860	94 X
311991	Perishable prepared foods	1998.. 3 114 325 1997.. 3 023 182	3 X
3119910	Perishable prepared food sold in bulk or packages, not frozen or canned	1998.. 3 114 325 1997.. 3 023 182	A X
311999	All other miscellaneous food preparations	1998.. 9 587 080 1997.. 9 321 055	1 X
3119991	Desserts (ready-to-mix)	1998.. 492 006 1997.. 512 820	2 X
3119994	Sweetening syrups and molasses	1998.. 561 629 1997.. 627 456	1 X
3119997	Baking powder and yeast	1998.. 388 509 1997.. 373 875	1 X
311999A	Macaroni and noodle products packaged with other ingredients, not canned or frozen	1998.. 1 230 339 1997.. 1 211 098	1 X
311999D	Dried and dehydrated products, except pasta, packaged with other ingredients	1998.. 1 056 183 1997.. 1 000 184	8 X
311999G	Liquid, dried, and frozen eggs	1998.. 1 378 397 1997.. 1 461 611	1 X
311999J	Flavoring powders, tablets, and paste, including dry mix cocktails	1998.. 725 127 1997.. 870 489	1 X
311999M	Other food preparations, nec	1998.. 2 613 213 1997.. 2 107 912	3 X
311999W	All other miscellaneous food products, nsk, total	1998.. 1 141 678 1997.. 1 155 610	12 X
312111	Soft drinks	1998.. 30 027 856 1997.. 28 783 298	1 X
3121111	Bottled carbonated soft drinks	1998.. 9 239 915 1997.. 9 104 646	3 X
3121114	Canned carbonated soft drinks	1998.. 12 401 406 1997.. 11 762 928	1 X
3121117	Soft drink flavoring syrup sold in bulk	1998.. 1 394 459 1997.. 1 139 247	2 X
312111A	Noncarbonated soft drinks	1998.. 5 858 157 1997.. 5 819 136	2 X
312111W	Soft drinks, nsk, total	1998.. 1 133 920 1997.. 957 341	39 X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
312112	Bottled Water Manufacturing	1998..	970 196	2
		1997..	839 232	X
3121120	Bottled water	1998..	970 196	3
		1997..	839 232	X
312113	Ice	1998..	448 427	1
		1997..	411 727	X
3121130	Ice	1998..	448 427	2
		1997..	411 727	X
312120	Brewery products	1998..	18 073 545	1
		1997..	18 162 490	X
3121201	Canned beer and ale case goods	1998..	9 543 991	1
		1997..	9 694 616	X
3121204	Bottled beer and ale case goods	1998..	6 307 918	1
		1997..	6 209 755	X
3121207	Beer and ale in barrels and kegs	1998..	1 011 578	1
		1997..	1 113 941	X
312120A	All other malt beverages and brewing products, nec	1998..	514 714	1
		1997..	605 156	X
312120W	Malt beverages, nsk, total	1998..	695 343	2
		1997..	539 022	X
312130	Wines, brandies, and brandy spirits	1998..	6 784 924	1
		1997..	6 144 389	X
3121300	Wine, brandy, and brandy spirits	1998..	6 784 924	9
		1997..	6 144 389	X
312140	Distillery products	1998..	3 463 302	1
		1997..	3 391 253	X
3121401	Distilled liquor, except brandy	1998..	788 429	3
		1997..	722 921	X
3121404	Bottled liquor, except brandy	1998..	2 626 278	1
		1997..	2 621 726	X
312140W	Distilled and blended liquors, nsk, total	1998..	48 595	A
		1997..	46 606	X
312210	Unstemmed, stemmed, and redried tobacco	1998..	3 438 250	1
		1997..	3 180 168	X
3122101	Unstemmed leaf tobacco, redried before packing	1998..	41 982	1
		1997..	159 081	X
3122104	Tobacco, stemmed	1998..	3 387 712	1
		1997..	3 021 087	X
312210W	Unstemmed, stemmed, and redried tobacco, nsk, total	1998..	8 556	1
		1997..	-	X
312221	Cigarettes	1998..	31 829 504	1
		1997..	28 258 382	X
3122210	Cigarettes, including nontobacco cigarettes	1998..	31 829 504	X
		1997..	28 258 382	X
312229	Other tobacco products	1998..	4 225 895	1
		1997..	3 930 315	X
3122291	Cigars	1998..	D	X
		1997..	D	X
3122294	Chewing and smoking tobacco	1998..	2 529 849	1
		1997..	2 170 903	X
3122297	Reconstituted tobacco (processed sheet and homogenized)	1998..	D	X
		1997..	D	X
312229W	Other tobacco products, nsk, total	1998..	6 674	1
		1997..	3 972	X
313111	Spun yarns	1998..	8 640 200	1
		1997..	8 796 216	X
3131111	Carded cotton yarns@	1998..	3 685 427	1
		1997..	3 680 198	X
3131113	Combed cotton yarns@	1998..	677 297	2
		1997..	663 224	X
3131115	Rayon, acetate, and-or lyocell spun yarns@	1998..	246 455	3
		1997..	248 272	X
3131117	Spun noncellulosic fiber and silk yarns@	1998..	3 547 678	2
		1997..	3 706 173	X
3131119	Wool yarns@	1998..	264 650	3
		1997..	265 659	X
313111A	Jute and linen yarns	1998..	D	X
		1997..	D	X
313111C	Scouring and combing mill products@	1998..	D	X
		1997..	D	X
313111W	Yarn spinning mills, nsk, total	1998..	105 778	1
		1997..	110 058	X
313112	Textured, thrown, plied, and twisted yarns	1998..	4 177 338	1
		1997..	4 351 495	X
3131121	Novelty and plied yarns, other than wool (not spun or thrown at the same establishment)	1998..	198 251	4
		1997..	156 841	X
3131123	Thrown filament yarns, except textured	1998..	1 276 093	3
		1997..	1 023 930	X
3131125	Textured, crimped, or bulked filament yarns, including stretch yarn (made from purchased filament yarn)@	1998..	2 588 014	1
		1997..	3 092 822	X
3131127	Commission receipts for throwing or texturing of filament yarns	1998..	51 136	13
		1997..	43 213	X
313112W	Textured, thrown, plied, and twisted yarns, nsk, total	1998..	63 845	3
		1997..	34 689	X
313113	Thread	1998..	736 479	3
		1997..	710 019	X
3131130	Thread	1998..	736 479	3
		1997..	710 019	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
313210	Broadwoven fabrics	1998..	17 402 542	2
		1997..	17 378 112	X
3132101	Cotton broadwoven plain weave fabrics, except pile (gray goods)@	1998..	925 858	1
		1997..	975 710	X
3132103	Cotton broadwoven twill weave fabrics, except pile (gray goods)@	1998..	2 427 956	1
		1997..	2 000 932	X
3132105	Cotton broadwoven fabrics, weaves other than plain, twill, or pile (gray goods)@	1998..	412 869	2
		1997..	427 214	X
3132107	Cotton broadwoven pile fabrics (gray goods)@	1998..	430 840	1
		1997..	375 689	X
3132109	Finished cotton broadwoven fabrics (finished in weaving mills)\$	1998..	761 825	25
		1997..	874 786	X
313210B	Cotton towels and washcloths (made in weaving mills)\$	1998..	826 437	1
		1997..	685 656	X
313210C	Fabricated cotton textile products, except towels and washcloths (made in weaving mills)	1998..	439 093	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)@	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)@	1998..	2 573 309	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)@	1998..	1 388 098	10
		1997..	1 162 434	X
313210J	Manmade fiber broadwoven twill weave fabrics, of 85 percent or more spun yarns, except pile, excluding wool blends (gray goods)@	1998..	190 770	1
		1997..	198 999	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)@	1998..	571 156	3
		1997..	710 479	X
313210M	Manmade fiber broadwoven fabrics, combo spun yarn and filament yarns, except wool blends, each <85 percent of total fiber (gray goods)@	1998..	1 466 360	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)@	1998..	402 498	1
		1997..	375 539	X
313210P	Finished manmade fiber and silk broadwoven fabrics (finished in weaving mills)\$	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)	1998..	D	X
		1997..	D	X
313210R	Fabricated manmade fiber and silk textile products, except sheets and pillowcases (made in weaving mills)	1998..	D	X
		1997..	D	X
313210T	Wool broadwoven fabrics (gray goods)@	1998..	252 121	7
		1997..	258 345	X
313210U	Finished broadwoven wool fabrics and felts (finished in weaving mill)	1998..	598 256	1
		1997..	682 535	X
313210V	Fabricated textile products, 36 percent or more wool (made in weaving mills)	1998..	53 818	1
		1997..	79 316	X
313210W	Broadwoven fabrics mills, nsk, total	1998..	810 181	A
		1997..	528 944	X
313221	Narrow fabrics	1998..	1 289 500	4
		1997..	1 354 710	X
3132211	Woven narrow fabrics (12 inches or less in width)	1998..	827 938	7
		1997..	952 278	X
3132213	Braided narrow fabrics (12 inches or less in width)	1998..	187 549	2
		1997..	181 208	X
3132215	Covered rubber thread, made in narrow fabric mills	1998..	177 502	6
		1997..	157 853	X
313221W	Narrow fabric mills, nsk, total	1998..	96 511	5
		1997..	63 371	X
313222	Schiffli machine embroideries	1998..	239 083	19
		1997..	217 719	X
3132220	Schiffli machine embroideries	1998..	239 083	20
		1997..	217 719	X
313230	Nonwoven fabrics	1998..	4 631 076	2
		1997..	4 222 762	X
3132301	Nonwoven fabrics	1998..	3 237 839	1
		1997..	2 783 849	X
3132303	Fabricated nonwoven products	1998..	791 997	5
		1997..	838 357	X
3132305	Pressed, punched, or needled felts (except hats)	1998..	494 967	12
		1997..	520 608	X
313230W	Nonwoven fabrics, nsk, total	1998..	106 273	92
		1997..	79 948	X
313241	Weft knit fabrics	1998..	3 059 745	4
		1997..	3 195 935	X
3132411	Weft (circular) knit fabrics greige goods, except hosiery@	1998..	1 294 945	6
		1997..	1 218 064	X
3132413	Finished weft (circular) knit fabrics, except hosiery, finished in knitting mill	1998..	1 476 885	3
		1997..	1 603 477	X
3132415	Contract and commission receipts for knitting only or knitting and finishing weft (circular) knit fabrics ..	1998..	182 824	57
		1997..	296 431	X
313241W	Weft (circular) knit fabrics, nsk, total	1998..	105 090	86
		1997..	77 963	X
313249	Other knit fabrics and lace	1998..	2 342 935	2
		1997..	2 405 105	X
3132491	Warp knit fabrics greige goods@	1998..	673 860	1
		1997..	633 654	X
3132493	Finished warp knit fabrics, finished in knitting mill	1998..	1 421 912	1
		1997..	1 486 521	X
3132495	Lace and net goods, all leavers and nottingham lace machine products, including bobbinets and barmen laces	1998..	21 896	7
		1997..	43 182	X
3132497	Contract and commission receipts for knitting only or knitting and finishing warp knit fabrics	1998..	120 997	21
		1997..	82 093	X
3132499	Nonapparel knit end products made in knitting mills, including towels and washcloths	1998..	86 188	52
		1997..	109 001	X
313249W	Other knit fabrics and lace, nsk, total	1998..	18 082	12
		1997..	50 654	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
313311	Finished broadwoven fabrics	1998.. 8 620 196 1997.. 9 141 631	4 X
3133111	Finished cotton broadwoven fabrics (not finished in weaving mills)\$	1998.. 1 974 733 1997.. 1 853 659	5 X
3133113	Job or commission finishing of cotton broadwoven fabrics	1998.. 1 211 172 1997.. 1 356 796	6 X
3133115	Finished manmade fiber and silk broadwoven fabrics (not finished in weaving mills)\$	1998.. 2 747 505 1997.. 2 933 074	9 X
3133117	Job or commission finishing of manmade fiber and silk broadwoven fabrics	1998.. 1 113 520 1997.. 1 157 937	6 X
3133119	Finished broadwoven wool fabrics and felts (not finished in weaving mill)	1998.. 136 334 1997.. 41 454	1 X
313311W	Finished broadwoven fabrics, nsk, total	1998.. 1 436 932 1997.. 1 798 711	28 X
313312	Finished fabrics (except broadwoven) and other finished textiles	1998.. 3 999 606 1997.. 4 390 227	3 X
3133120	Finished fabrics (except broadwoven) and other finished textiles	1998.. 3 999 606 1997.. 4 390 227	88 X
313320	Coated fabrics	1998.. 2 304 200 1997.. 2 256 745	4 X
3133201	Vinyl coated fabrics, including expanded vinyl coated	1998.. 697 611 1997.. 633 244	5 X
3133203	Rubber coated fabrics	1998.. 219 466 1997.. 294 107	28 X
3133205	Other coated or laminated fabrics and coated yarns, not rubberized	1998.. 1 198 976 1997.. 1 106 120	4 X
313320W	Fabric coating mills, nsk, total	1998.. 188 147 1997.. 223 274	5 X
314110	Carpet and rugs	1998.. 11 718 728 1997.. 11 064 979	1 X
3141101	Woven carpets and rugs@	1998.. 418 032 1997.. 345 497	3 X
3141103	Tufted carpets and rugs@	1998.. 10 649 111 1997.. 10 066 416	1 X
3141105	Carpets, rugs, and mats, nec (knitted, braided, hooked, needle-punched, woven paper yarn, etc.)@ ..	1998.. 461 224 1997.. 414 121	3 X
314110W	Carpet and rugs, nsk, total	1998.. 190 360 1997.. 238 945	22 X
314121	Curtains and draperies	1998.. 2 069 824 1997.. 1 688 130	5 X
3141210	Curtains and draperies, including custom (made from purchased fabrics)	1998.. 2 069 824 1997.. 1 688 130	A X
314129	Household furnishings	1998.. 6 236 899 1997.. 6 583 648	7 X
3141291	Bedspreads and bedsets	1998.. 238 996 1997.. 272 017	14 X
3141293	Sheets and pillowcases@	1998.. 1 395 214 1997.. 1 448 312	7 X
3141295	Towels and washcloths@ \$	1998.. 785 530 1997.. 849 293	3 X
3141297	Shower bath curtains, comforters and quilts, pillows, blankets, mattress protectors, table linen, and slip covers	1998.. 3 352 325 1997.. 3 782 320	11 X
314129W	Household furnishings, nsk, total	1998.. 464 834 1997.. 231 706	50 X
314911	Textile bags	1998.. 921 797 1997.. 921 149	3 X
3149110	Textile bags	1998.. 921 797 1997.. 921 149	7 X
314912	Canvas and related products	1998.. 1 525 244 1997.. 1 480 945	3 X
3149120	Canvas and related products made from cotton, nylon, polyester, and other industrial fabrics	1998.. 1 525 244 1997.. 1 480 945	14 X
314991	Rope, cordage, and twine	1998.. 672 648 1997.. 695 624	2 X
3149911	Cordage and twine, hard fiber	1998.. 50 819 1997.. 49 323	11 X
3149913	Cordage and twine, soft fiber (except cotton)	1998.. 451 510 1997.. 503 547	2 X
3149915	Cotton cordage and twine	1998.. 66 521 1997.. 59 002	15 X
314991W	Rope, cordage, and twine, nsk, total	1998.. 103 797 1997.. 83 752	2 X
314992	Tire cord and tire fabrics	1998.. 1 303 269 1997.. 1 163 103	1 X
3149920	Tire cord and tire fabrics@	1998.. 1 303 269 1997.. 1 163 103	X X
314999	All other miscellaneous textile products	1998.. 5 598 601 1997.. 6 066 396	4 X
3149991	Recovered fibers, processed mill waste, and related products	1998.. 385 462 1997.. 435 897	7 X
3149993	Paddings and upholstery filling, batting, and wadding (except foam rubber and plastics)	1998.. 538 802 1997.. 607 878	10 X
3149995	Embroideries (except Schiffli machine products)	1998.. 516 734 1997.. 554 781	31 X
3149997	Other trimmings and findings	1998.. 201 057 1997.. 209 476	10 X
3149999	Fabricated textile products, nec	1998.. 2 945 959 1997.. 3 234 885	5 X
314999W	All other miscellaneous textile products, nsk, total	1998.. 1 010 588 1997.. 1 023 479	48 X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
315111	Sheer hosiery.....	1998.. 1 469 296 1997.. 1 552 097	1 X
3151111	Women's, misses', and girls' finished hosiery, sheer, full-length, knee-length, and below the knee	1998.. 364 036 1997.. 271 187	1 X
3151113	Women's, misses', and girls' finished pantyhose, sheer, including tights, all needle	1998.. 954 465 1997.. 1 129 065	1 X
3151115	Sheer hosiery (except socks) shipped in the greige	1998.. 87 776 1997.. 91 169	1 X
315111W	Sheer hosiery, nsk, total	1998.. 63 019 1997.. 60 676	4 X
315119	Other hosiery and socks	1998.. 2 817 470 1997.. 2 839 180	3 2
3151191	Men's finished seamless hosiery and socks, sizes 10 and up	1998.. 1 368 760 1997.. 1 424 808	2 X
3151193	All other finished hosiery, other than sheer	1998.. 845 472 1997.. 1 034 365	6 X
3151195	Seamless hosiery shipped in the greige	1998.. 214 779 1997.. 225 137	14 X
315119W	Other hosiery and socks, nsk, total	1998.. 388 460 1997.. 154 870	A X
315191	Knit outerwear	1998.. 3 884 802 1997.. 4 820 786	2 X
3151911	Men's and junior boys' sweaters (from yarns or from fabrics knit in the same establishment)	1998.. 97 156 1997.. 125 773	19 X
3151913	Women's, misses', and juniors' sweaters (from yarns or from fabrics knit in the same establishment) ..	1998.. 328 368 1997.. 370 325	8 X
3151915	Girls', little boys', and infants' sweaters (from yarns or from fabrics knit in the same establishment) ...	1998.. 38 422 1997.. 41 709	13 X
3151917	Men's and junior boys' knit shirts (from yarns or from fabrics knit in the same establishment)	1998.. 2 067 196 1997.. 2 719 219	1 X
3151919	Women's, misses', and juniors' knit shirts and blouses (from yarns or from fabrics knit in the same establishment)	1998.. 201 144 1997.. 203 213	6 X
315191A	Girls', little boys', and infants' knit shirts and blouses (from yarns or from fabrics knit in the same establishment)	1998.. 40 154 1997.. 18 149	1 X
315191C	All other knit outerwear products	1998.. 177 217 1997.. 487 184	40 X
315191E	Contract and commission receipts for knitting only or knitting and finishing outerwear	1998.. 220 860 1997.. 251 542	10 X
315191G	Knit gloves and mittens, including fabric-and-leather combinations (made in knitting mills)	1998.. 84 230 1997.. 89 166	1 X
315191W	Knit outerwear, nsk, total	1998.. 630 054 1997.. 514 486	1 X
315192	Knit underwear and nightwear	1998.. 1 014 814 1997.. 1 234 464	1 X
3151921	Men's and junior boys' knit underwear and nightwear	1998.. 745 411 1997.. 897 564	1 X
3151923	Women's, misses', juniors', girls', little boys', and infants' knit underwear and nightwear	1998.. 211 278 1997.. 324 728	1 X
3151927	Women's, misses', and juniors' knit brassieres, girdles, and allied garments	1998.. D 1997.. D	X X
315192W	Knit underwear and nightwear, nsk, total	1998.. D 1997.. D	X X
315211	Contract men's and boys' cut and sew apparel	1998.. 1 813 722 1997.. 1 610 087	4 X
3152111	Receipts for contract and commission work on men's, junior boys', little boys', and infants' suits and tailored coats and jackets	1998.. 260 254 1997.. 319 595	9 X
3152113	Receipts for contract and commission work on men's, junior boys', little boys', and infants' shirts (except work shirts)	1998.. 401 722 1997.. 301 117	6 X
3152115	Receipts for contract and commission work on men's, junior boys', little boys', and infants' underwear and nightwear	1998.. 144 360 1997.. 127 640	18 X
3152117	Receipts for contract and commission work on men's, junior boys', little boys', and infants' trousers and slacks	1998.. 447 197 1997.. 441 420	9 X
3152119	Receipts for contract and commission work on men's and junior boys' work clothing (except jeans and jean-cut casual slacks)	1998.. 94 151 1997.. 56 074	26 X
315211B	Receipts for contract and commission work on men's, junior boys', little boys', and infants' outerwear, nec.....	1998.. 321 803 1997.. 296 641	8 X
315211D	Receipts for contract and commission work on men's, junior boys', and little boys' robes	1998.. D 1997.. D	X X
315211F	Receipts for contract and commission work on men's, junior boys', and little boys' raincoats and other waterproof outer garments	1998.. D 1997.. D	X X
315211H	Receipts for contract and commission work on men's, junior boys', and little boys' embroidering (except Schifflli machine)	1998.. 24 211 1997.. 31 421	3 X
315211W	Contract men's and boys' cut and sew apparel, nsk, total	1998.. 90 875 1997.. 6 673	43 X
315212	Contract women's and girls' cut and sew apparel	1998.. 3 151 722 1997.. 4 039 420	4 X
3152121	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' shirts and blouses	1998.. 372 286 1997.. 510 835	6 X
3152123	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' dresses	1998.. 791 911 1997.. 1 050 055	13 X
3152125	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' coats, suits, skirts, and jackets	1998.. 301 649 1997.. 373 496	4 X
3152127	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' outerwear, nec.....	1998.. 1 312 958 1997.. 1 790 867	5 X
3152129	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' underwear and nightwear	1998.. 60 091 1997.. 114 676	44 X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
315212	Contract women's and girls' cut and sew apparel—Con.		
315212B	Receipts for contract and commission work on brassieres, corsets, and allied garments	1998.. 9 611	A
		1997.. 64 342	X
315212D	Receipts for contract and commission work on women's, misses', juniors', and girls' robes and dressing gowns	1998.. D	X
		1997.. D	X
315212F	Receipts for contract and commission work on women's, misses', juniors', and girls' raincoats and other waterproof outer garments	1998.. D	X
		1997.. D	X
315212H	Receipts for contract and commission work on women's, misses', juniors', and girls' embroidering (except Schiffl machine)	1998.. 41 214	3
		1997.. 51 876	X
315212J	Receipts for contract and commission work on handkerchiefs, garters, garter belts, academic caps and gowns, costumes, and ecclesiastical vestments	1998.. 18 600	8
		1997.. 23 851	X
315212W	Contract women's and girls' cut and sew apparel, nsk, total	1998.. 233 081	45
		1997.. 43 148	X
315221	Men's and boys' cut and sew underwear and nightwear	1998.. 834 697	4
		1997.. 1 210 469	X
3152211	Men's, junior boys', and little boys' underwear@	1998.. 623 766	2
		1997.. 1 033 300	X
3152213	Men's, junior boys', and little boys' nightwear, including pajamas, night shirts, etc. (excluding robes) @	1998.. 140 182	19
		1997.. 97 289	X
3152215	Men's, junior boys', and little boys' robes@	1998.. 53 020	1
		1997.. 59 957	X
315221W	Men's and boys' cut and sew underwear and nightwear, nsk, total	1998.. 17 730	2
		1997.. 19 923	X
315222	Men's and boys' cut and sew suits, coats and overcoats	1998.. 1 829 935	3
		1997.. 1 899 511	X
3152221	Men's, junior boys', and little boys' suits, including uniforms@	1998.. 837 899	5
		1997.. 884 601	X
3152223	Men's and junior boys' overcoats, topcoats, and tailored car and suburban coats, including uniform and wool water-repellent, excluding raincoats@	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@	1998.. 736 571	5
		1997.. 809 842	X
3152227	Men's, junior boys', and little boys' raincoats and raincapas@	1998.. 57 925	17
		1997.. 52 760	X
315222W	Men's and boys' cut and sew suits, coats and overcoats, nsk, total	1998.. 110 974	5
		1997.. 62 486	X
315223	Men's and boys' cut and sew shirts (except work shirts)	1998.. 4 849 021	2
		1997.. 4 550 735	X
3152231	Men's, junior boy's, and little boys' knit shirts, dress and sport (inc polo, sweat, tank tops, etc.), made from purchased fabrics@	1998.. 3 655 307	2
		1997.. 3 332 189	X
3152233	Men's, junior boys', and little boys' woven dress and sport shirts, including military-type uniform shirts@	1998.. 952 459	5
		1997.. 984 106	X
315223W	Men's, junior boys', and little boys' shirts, nsk, total	1998.. 241 255	6
		1997.. 234 440	X
315224	Men's and boys' cut and sew trousers, slacks and jeans	1998.. 6 110 210	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)@	1998.. 2 497 929	2
		1997.. 2 796 681	X
3152243	Men's, junior boys', and little boys' jeans, including dungarees and jean-cut casual slacks@	1998.. 3 575 405	1
		1997.. 3 774 490	X
315224W	Men's, junior boys', and little boys' trousers and slacks, nsk, total	1998.. 36 877	1
		1997.. 21 906	X
315225	Men's and boys' cut and sew work clothing	1998.. 1 835 727	2
		1997.. 1 849 390	X
3152251	Men's and junior boys' work shirts@	1998.. 522 625	1
		1997.. 498 348	X
3152253	Men's and junior boys' work clothing (except shirts and jeans) and washable service apparel, including work pants, overalls, and work jackets@	1998.. 1 241 419	3
		1997.. 1 301 458	X
315225W	Men's and junior boys' work clothing, nsk, total	1998.. 71 684	15
		1997.. 49 584	X
315228	Other men's and boys' cut and sew outerwear	1998.. 2 111 670	3
		1997.. 2 288 437	X
3152281	Men's, junior boys', and little boys' heavy nontailored outerwear coats, jackets, and vests, including mackinaws, meltons, and lumber jackets (except ski)@	1998.. 496 297	7
		1997.. 556 337	X
3152283	Men's, junior boys', and little boys' shorts, swimwear, sweaters and other outerwear@	1998.. 1 256 952	3
		1997.. 1 354 929	X
3152285	Men's, junior boys', and little boys' waterproof outer garments, including smocks, plastics or rubberized	1998.. 7 618	1
		1997.. 9 177	X
315228W	Other men's and boys' cut and sew outerwear, nsk, total	1998.. 350 803	12
		1997.. 367 994	X
315231	Women's and girls' cut and sew lingerie, loungewear and nightwear	1998.. 3 528 913	4
		1997.. 3 529 264	X
3152311	Women's, misses', juniors', and girls' underwear (except brassieres, corsets, and girdles)@	1998.. 808 588	4
		1997.. 808 695	X
3152313	Women's, misses', juniors', and girls' nightwear, including pajamas and gowns (except robes)@	1998.. 600 821	8
		1997.. 522 806	X
3152315	Women's, misses', and juniors' brassieres (including maternity), bra-lettes, and bandeaux@	1998.. 1 479 050	7
		1997.. 1 512 329	X
3152317	Women's, misses', and juniors' corsets, girdles, combinations, and accessories@	1998.. 323 161	1
		1997.. 349 606	X
3152319	Women's, misses', juniors', and girls' robes and dressing gowns@	1998.. 188 452	5
		1997.. 230 611	X
315231W	Women's and girls' cut and sew lingerie, loungewear and nightwear, nsk, total	1998.. 128 842	1
		1997.. 105 217	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
315232	Women's and girls' cut and sew blouses and shirts	1998.. 3 928 272 1997.. 4 147 207	2 X
3152321	Women's, misses', juniors', and girls' knit shirts and blouses, including polo, tennis, cowl, tank, sweat, and T-shirts@	1998.. 2 314 957 1997.. 2 241 117	2 X
3152323	Women's, misses', juniors', and girls' woven shirts and blouses@	1998.. 1 498 205 1997.. 1 826 463	3 X
315232W	Women's and girls' cut and sew blouses and shirts, nsk, total	1998.. 115 110 1997.. 79 627	20 X
315233	Women's and girls' cut and sew dresses	1998.. 4 569 824 1997.. 4 803 108	1 X
3152330	Women's, misses, juniors', and girls dresses@	1998.. 4 569 824 1997.. 4 803 108	56 X
315234	Women's and girls' cut and sew suits, coats, tailored jackets and skirts	1998.. 2 944 785 1997.. 3 422 332	2 X
3152341	Women's, misses', juniors', and girls' coats and capes (except fur, leather, down- and feather-filled, and raincoats)@	1998.. 447 952 1997.. 532 637	5 X
3152343	Women's, misses', juniors', and girls' suits, pantsuits, and military-type uniform jackets, except ski and snow suits@	1998.. 251 842 1997.. 352 249	4 X
3152345	Women's, misses', juniors', and girls' skirts, tailored jackets, and vests@	1998.. 2 162 703 1997.. 2 479 588	2 X
3152347	Women's, misses', juniors', and girls' raincoats and raincoats@	1998.. 25 860 1997.. 19 563	19 X
315234W	Women's and girls' cut and sew suits, coats, tailored jackets and skirts, nsk, total	1998.. 56 428 1997.. 38 295	83 X
315239	Other women's and girls' cut and sew outerwear	1998.. 7 596 569 1997.. 7 549 538	2 X
3152391	Women's, misses', and juniors' washable service apparel, including aprons, smocks, hooovers, uniforms for maids, nurses, etc., and hospital patient wear@	1998.. 255 262 1997.. 280 530	17 X
3152393	Women's, misses', juniors', and girls' swimwear@	1998.. 746 148 1997.. 798 267	16 X
3152395	Women's, misses', juniors', and girls' slacks, including jeans and jean-cut casual slacks@	1998.. 4 579 178 1997.. 4 675 277	1 X
3152397	Women's, misses', and juniors' sweaters, shorts, and other outerwear, and girls' sweaters@	1998.. 1 604 772 1997.. 1 551 337	3 X
3152399	Women's, misses', juniors', and girls' waterproof outer garments, including smocks and dress shields, plastics or rubberized	1998.. 1 905 1997.. 1 905	1 X
315239W	Other women's and girls' cut and sew outerwear, nsk, total	1998.. 409 304 1997.. 242 222	7 X
315291	Infants' cut and sew apparel	1998.. 804 544 1997.. 794 910	4 X
3152910	Infants' apparel@	1998.. 804 544 1997.. 794 910	4 X
315292	Fur and leather apparel	1998.. 247 433 1997.. 235 918	11 X
3152921	Fur coats, capes, jackets, neck pieces, fur linings, and other fur garments, accessories, and trimmings	1998.. 79 038 1997.. 98 702	26 X
3152925	Leather and sheep-lined clothing	1998.. 125 069 1997.. 107 517	15 X
315292W	Fur and leather apparel, nsk, total	1998.. 43 326 1997.. 29 699	1 X
315299	All other cut and sew apparel	1998.. 903 622 1997.. 846 917	6 X
3152991	Men's and junior boys' athletic uniforms@	1998.. 185 250 1997.. 206 515	8 X
3152993	Women's, misses', and juniors' athletic uniforms	1998.. 72 984 1997.. 76 971	2 X
3152995	Apparel, nec.	1998.. 484 614 1997.. 404 673	11 X
315299W	All other cut and sew apparel, nsk, total	1998.. 160 775 1997.. 158 758	7 X
315991	Hats, caps, and millinery	1998.. 1 011 975 1997.. 864 089	4 X
3159911	Hats and hat bodies, except cloth and millinery	1998.. 174 402 1997.. 174 422	1 X
3159913	Cloth hats and caps	1998.. 585 207 1997.. 535 834	6 X
3159915	Millinery (women's, misses', juniors', girls', little boys', and infants' trimmed hats made from hat bodies or other millinery materials)	1998.. 88 133 1997.. 95 275	25 X
315991W	Hats, caps, and millinery, nsk, total	1998.. 164 233 1997.. 58 558	12 X
315992	Gloves and mittens	1998.. 509 275 1997.. 461 468	5 X
3159921	Gloves and mittens@	1998.. 292 200 1997.. 310 970	3 X
3159923	Gloves and mittens, leather-and-fabric combinations@	1998.. 28 240 1997.. 32 519	21 X
3159925	Gloves and mittens, all leather@	1998.. 80 993 1997.. 92 744	32 X
315992W	Gloves and mittens, nsk, total	1998.. 107 841 1997.. 25 235	1 X
315993	Men's and boys' neckwear	1998.. 507 017 1997.. 539 871	4 X
3159930	Men's and boys' neckwear	1998.. 507 017 1997.. 539 871	4 X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
315999	Other apparel accessories and other apparel	1998.. 2 118 718 1997.. 2 305 454	3 X
3159991	Women's, misses', and juniors' scarfs, dickies, and other neckwear	1998.. 18 658 1997.. 29 522	27 X
3159993	Aprons and bibs, plastics and rubberized	1998.. 26 500 1997.. 34 579	2 X
3159995	Leather belts	1998.. 373 407 1997.. 408 874	4 X
3159997	Belts other than leather	1998.. 60 270 1997.. 50 941	13 X
315999A	Hose supporters, arm bands, suspenders, and handkerchiefs	1998.. 55 688 1997.. 53 624	1 X
315999C	Fabricated textile products, nec	1998.. 698 164 1997.. 923 517	6 X
315999E	Apparel findings and trimmings (except men's and junior boys' coat, suit, and trouser findings)	1998.. 170 055 1997.. 159 046	2 X
315999G	Custom-made garments	1998.. 114 735 1997.. 141 625	3 X
315999W	Other apparel accessories and other apparel manufacturing, nsk, total	1998.. 601 241 1997.. 503 726	23 X
316110	Tanned or finished leather and hides	1998.. 3 447 783 1997.. 3 506 730	1 X
3161101	Finished and unfinished leather	1998.. 3 119 061 1997.. 3 218 573	1 X
3161104	Contract and commission receipts for tanning or finishing leather owned by others	1998.. 156 343 1997.. 131 233	3 X
3161107	Furs, dressed and dyed or bleached	1998.. 20 010 1997.. 19 875	11 X
316110W	Leather and hide tanning and finishing, nsk, total	1998.. 152 370 1997.. 137 049	A X
316211	Rubber and plastics footwear	1998.. 944 330 1997.. 899 620	4 X
3162111	Protective footwear@	1998.. 175 258 1997.. 265 161	19 X
3162114	Shoes with soles vulcanized, molded, or cemented to fabric uppers, excluding sandals and slippers@	1998.. 754 468 1997.. 614 260	2 X
316211W	Rubber and plastics footwear, nsk, total	1998.. 14 604 1997.. 20 199	1 X
316212	House slippers	1998.. 163 160 1997.. 192 446	6 X
3162120	House slippers@	1998.. 163 160 1997.. 192 446	6 X
316213	Men's footwear, except athletic	1998.. 1 173 358 1997.. 1 708 758	11 X
3162130	Men's footwear, except athletic (size run 6 and larger)@	1998.. 1 173 358 1997.. 1 708 758	12 X
316214	Women's footwear, except athletic	1998.. 506 340 1997.. 758 265	29 X
3162140	Women's footwear, except athletic (size run 4 and larger)@	1998.. 506 340 1997.. 758 265	30 X
316219	Other footwear	1998.. 177 287 1997.. 219 630	13 X
3162190	Footwear, except rubber, nec@	1998.. 177 287 1997.. 219 630	A X
316991	Luggage	1998.. 1 107 824 1997.. 1 103 528	1 X
3169910	Suitcases, briefcases, bags, and musical instrument cases	1998.. 1 107 824 1997.. 1 103 528	2 X
316992	Women's handbags and purses	1998.. 358 104 1997.. 322 313	7 X
3169920	Women's and children's handbags and purses	1998.. 358 104 1997.. 322 313	A X
316993	Personal leather goods, except women's handbags and purses	1998.. 448 949 1997.. 449 153	1 X
3169930	Personal leather goods, nec	1998.. 448 949 1997.. 449 153	85 X
316999	All other leather goods	1998.. 817 885 1997.. 844 176	4 X
3169991	All other leather goods, nec	1998.. 140 821 1997.. 176 210	X 21
3169994	Leather goods, nec	1998.. 604 156 1997.. 604 401	3 X
316999W	All other leather goods, nsk, total	1998.. 72 908 1997.. 63 565	98 X
321113	Sawmill products	1998.. 22 711 638 1997.. 23 379 584	1 X
3211131	Hardwood lumber, not edge worked, not manufactured from purchased lumber	1998.. 3 944 093 1997.. 3 949 243	1 X
3211133	Softwood lumber, not edge worked, not manufactured from purchased lumber	1998.. 12 876 177 1997.. 14 088 368	1 X
3211135	Wood chips, except field chips	1998.. 2 765 668 1997.. 2 608 168	1 X
3211137	Wood ties, siding, shingles, and shakes and contract sawing of logs owned by others	1998.. 277 067 1997.. 239 072	12 X
321113W	Sawmill products, nsk, total	1998.. 2 848 633 1997.. 2 494 733	2 X
321114	Wood preservation products	1998.. 4 367 285 1997.. 4 377 047	2 X
3211141	Wood poles, piles, and posts owned and treated by the same establishment	1998.. 552 473 1997.. 561 544	2 X
3211145	Other wood products owned and treated by the same establishment	1998.. 3 324 011 1997.. 3 339 717	2 X
3211149	Contract wood preservation	1998.. 122 684 1997.. 125 584	1 X
321114W	Wood preservation products, nsk, total	1998.. 368 117 1997.. 350 202	7 X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
321211	Hardwood veneer and plywood	1998..	2 843 252	1
		1997..	2 757 948	X
3212111	Hardwood veneer, including veneer backed with paper, cloth, or other flexible material	1998..	969 149	1
		1997..	947 906	X
3212113	Hardwood plywood, except prefinished hardwood plywood made from purchased hardwood plywood	1998..	1 185 868	1
		1997..	1 178 478	X
3212115	Prefinished hardwood plywood made from purchased hardwood plywood	1998..	153 953	1
		1997..	153 347	X
3212117	Hardwood plywood type products	1998..	207 512	5
		1997..	215 480	X
321211W	Hardwood veneer and plywood, nsk, total	1998..	326 770	13
		1997..	262 737	X
321212	Softwood veneer and plywood	1998..	5 176 393	1
		1997..	5 066 800	X
3212121	Softwood veneer, including veneer backed with paper, cloth, or other flexible material	1998..	765 502	1
		1997..	754 456	X
3212123	Softwood plywood, rough, including touch sanded, interior and exterior	1998..	3 103 672	1
		1997..	2 957 731	X
3212125	Softwood plywood, sanded, interior and exterior	1998..	763 323	1
		1997..	848 686	X
3212127	Softwood plywood specialties	1998..	461 629	1
		1997..	440 591	X
3212129	Softwood plywood type products	1998..	7 965	1
		1997..	8 034	X
321212W	Softwood veneer and plywood, nsk, total	1998..	74 301	1
		1997..	57 302	X
321213	Engineered wood members (except trusses)	1998..	1 501 542	1
		1997..	1 326 062	X
3212130	Engineered wood members (except trusses)	1998..	1 501 542	X
		1997..	1 326 062	X
321214	Wood trusses	1998..	3 924 622	2
		1997..	3 536 689	X
3212140	Wood trusses	1998..	3 924 622	2
		1997..	3 536 689	X
321219	Reconstituted wood products	1998..	5 657 478	1
		1997..	5 177 880	X
3212191	Particleboard made from particleboard produced at this location	1998..	1 257 510	1
		1997..	1 263 554	X
3212192	Waferboard and oriented strandboard	1998..	1 747 391	1
		1997..	1 249 636	X
3212193	Medium density fiberboard (MDF) made from MDF produced at this location	1998..	444 488	1
		1997..	454 350	X
3212194	Hardboard made from hardboard produced at this location	1998..	915 434	1
		1997..	945 403	X
3212195	Cellulosic fiberboard (insulating board)	1998..	140 108	1
		1997..	140 535	X
3212197	Hardboard made from purchased hardboard	1998..	216 093	3
		1997..	207 125	X
3212198	Prefinished particleboard and medium density fiberboard (MDF) made from purchased particleboard and MDF	1998..	687 206	1
		1997..	696 867	X
321219W	Reconstituted wood products, nsk, total	1998..	249 248	3
		1997..	220 410	X
321911	Wood windows and doors	1998..	8 706 573	1
		1997..	8 084 276	X
3219111	Wood window units	1998..	2 846 477	1
		1997..	2 608 340	X
3219113	Wood sash, excluding sash shipped in window units	1998..	137 875	2
		1997..	137 073	X
3219115	Wood window and door frames, including door frames shipped in door units, excluding window frames shipped in window units	1998..	479 663	2
		1997..	476 757	X
3219117	Wood panel, flush, and molded face doors, interior and exterior, including doors with glazed sections	1998..	2 160 055	3
		1997..	2 070 493	X
3219119	Other wood doors, including garage, bifold, patio, cabinet, screen, storm, and louver	1998..	1 462 543	2
		1997..	1 334 998	X
321911W	Wood windows and doors, nsk, total	1998..	1 619 960	1
		1997..	1 456 615	X
321912	Cut stock, resawn lumber, and planed lumber	1998..	5 618 870	2
		1997..	5 620 213	X
3219121	Hardwood lumber, not edge worked, manufactured from purchased lumber and edge worked	1998..	887 933	2
		1997..	885 650	X
3219123	Softwood lumber, not edge worked, manufactured from purchased lumber and edge worked	1998..	1 569 026	5
		1997..	1 741 516	X
3219125	Hardwood cut stock and dimension	1998..	1 333 911	3
		1997..	1 250 140	X
3219127	Softwood cut stock and dimension	1998..	945 566	6
		1997..	999 666	X
3219129	Sawn wood fence stock, wood lath, and contract resawing and planing	1998..	149 169	4
		1997..	136 985	X
321912W	Cut stock, resawn lumber, and planed lumber, nsk, total	1998..	733 264	2
		1997..	606 256	X
321918	Other millwork (including flooring)	1998..	4 507 741	1
		1997..	4 339 746	X
3219181	Wood moldings, except prefinished moldings made from purchased moldings, including moldings covered with metal, plastics, etc.	1998..	1 415 833	3
		1997..	1 523 237	X
3219183	Prefinished wood moldings made from purchased moldings, including moldings covered with metal, plastics, etc.	1998..	54 394	4
		1997..	62 715	X
3219185	Other wood millwork products, including stairwork, exterior millwork, and softwood flooring	1998..	1 145 480	2
		1997..	1 166 925	X
3219187	Hardwood flooring	1998..	1 409 301	1
		1997..	1 255 775	X
321918W	Other millwork (including flooring), nsk, total	1998..	482 734	1
		1997..	331 094	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
321920	Wood containers and pallets	1998 . .	4 555 673	1
		1997 . .	4 325 268	X
3219201	Nailed and lock-corner wood boxes	1998 . .	218 011	8
		1997 . .	195 950	X
3219203	Wood box and crate shook	1998 . .	162 927	3
		1997 . .	173 632	X
3219205	Wood and metal combination and wood pallets and pallet containers	1998 . .	3 044 163	1
		1997 . .	3 104 966	X
3219207	Wood container parts and wood containers, nec	1998 . .	539 566	3
		1997 . .	546 122	X
321920W	Wood containers and pallets, nsk, total	1998 . .	591 006	2
		1997 . .	304 598	X
321991	Manufactured homes (mobile homes)	1998 . .	11 081 980	1
		1997 . .	10 124 515	X
3219911	Manufactured homes (mobile homes)	1998 . .	10 589 077	1
		1997 . .	9 694 161	X
3219915	Nonresidential mobile buildings	1998 . .	392 661	2
		1997 . .	367 186	X
321991W	Manufactured homes (mobile homes), nsk, total	1998 . .	100 243	27
		1997 . .	63 168	X
321992	Prefabricated wood buildings	1998 . .	3 118 879	2
		1997 . .	2 885 320	X
3219921	Components for prefabricated stationary wood buildings (not sold as complete units)	1998 . .	252 592	3
		1997 . .	236 688	X
3219923	Precut packages for prefabricated stationary wood buildings (complete units)	1998 . .	671 935	5
		1997 . .	596 241	X
3219925	Prefabricated stationary wood buildings shipped in panel form (complete units)	1998 . .	519 902	4
		1997 . .	449 205	X
3219927	Prefabricated stationary wood buildings shipped in three-dimensional assemblies	1998 . .	1 223 491	4
		1997 . .	1 178 019	X
321992W	Prefabricated wood buildings, nsk, total	1998 . .	450 959	10
		1997 . .	425 167	X
321999	All other miscellaneous wood products	1998 . .	4 103 228	2
		1997 . .	3 859 329	X
3219990	All other miscellaneous wood products	1998 . .	4 103 228	2
		1997 . .	3 859 329	X
322110	Pulp	1998 . .	5 757 367	1
		1997 . .	6 371 092	X
3221101	Special alpha and dissolving woodpulp (sulfite and sulfate for chemical conversion, papermaking, and other uses)	1998 . .	801 714	1
		1997 . .	842 210	X
3221103	Sulfate woodpulp, including soda	1998 . .	4 154 172	2
		1997 . .	4 638 302	X
3221105	Sulfite and other woodpulp	1998 . .	183 772	1
		1997 . .	251 393	X
3221107	Pulp, other than wood, and pulp mill byproducts, nec	1998 . .	617 709	1
		1997 . .	639 187	X
322110W	Pulp mill products, nsk, total	1998 . .	—	X
		1997 . .	—	X
322121	Paper (except newsprint)	1998 . .	39 247 661	1
		1997 . .	39 446 502	X
3221211	Clay-coated printing and converting paper	1998 . .	8 613 568	1
		1997 . .	8 452 880	X
3221213	Uncoated freesheet paper (containing not more than 10 percent mechanical fiber)	1998 . .	11 856 753	1
		1997 . .	11 633 314	X
3221215	Bleached bristols, excluding cotton fiber index and bogus (weight more than 150 grams per sq meter)	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	1998 . .	713 263	3
		1997 . .	762 448	X
3221219	Unbleached kraft (not less than 80 percent) packaging and industrial converting paper	1998 . .	1 234 309	1
		1997 . .	1 292 969	X
322121A	Packaging and industrial converting paper, except unbleached kraft	1998 . .	878 700	24
		1997 . .	1 098 365	X
322121C	Special industrial paper, except specialty packaging, including absorbent, battery separator, electrical papers, etc.	1998 . .	1 750 022	2
		1997 . .	1 843 042	X
322121E	Construction paper	1998 . .	191 565	1
		1997 . .	189 538	X
322121G	Tissue paper and other machine-creped paper	1998 . .	2 590 679	6
		1997 . .	2 951 840	X
322121J	Sanitary napkins and tampons (made in paper mills)\$	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)\$	1998 . .	1 675 811	1
		1997 . .	1 694 994	X
322121N	Sanitary tissue paper products (made in paper mills)\$	1998 . .	8 398 512	1
		1997 . .	8 192 206	X
322121W	Paper (except newsprint) mill products, nsk, total	1998 . .	60 619	25
		1997 . .	35 128	X
322122	Newsprint	1998 . .	5 174 838	2
		1997 . .	5 045 995	X
3221221	Newsprint	1998 . .	3 797 034	2
		1997 . .	3 712 495	X
3221223	Uncoated groundwood paper (containing more than 10 percent mechanical fiber)	1998 . .	1 377 804	1
		1997 . .	1 333 500	X
322122W	Newsprint mill products, nsk, total	1998 . .	—	X
		1997 . .	—	X
322130	Paperboard	1998 . .	19 842 106	1
		1997 . .	18 712 050	X
3221301	Unbleached kraft packaging and industrial converting paperboard (80 percent or more virgin woodpulp)	1998 . .	8 041 564	1
		1997 . .	7 443 965	X
3221303	Bleached packaging and industrial converting paperboard (80 percent or more virgin bleached woodpulp)	1998 . .	3 773 630	1
		1997 . .	3 971 630	X
3221305	Semichemical paperboard, including corrugating medium (75 percent or more virgin woodpulp)	1998 . .	908 885	1
		1997 . .	815 423	X
3221307	Recycled paperboard	1998 . .	7 034 292	1
		1997 . .	6 386 772	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
322130	Paperboard—Con.		
3221309	Wet machine board, including binders' board and shoe board	1998.. 70 215	8
		1997.. 86 373	X
322130W	Paperboard mill products, nsk, total	1998.. 13 519	28
		1997.. 7 887	X
322211	Corrugated and solid fiber boxes	1998.. 26 695 022	1
		1997.. 24 134 916	X
3222110	Corrugated and solid fiber boxes, including pallets	1998.. 26 695 022	36
		1997.. 24 134 916	X
322212	Folding paperboard boxes	1998.. 9 023 996	1
		1997.. 8 688 288	X
3222120	Folding paperboard boxes, packaging, and packaging components	1998.. 9 023 996	5
		1997.. 8 688 288	X
322213	Setup paperboard boxes	1998.. 666 197	4
		1997.. 645 584	X
3222130	Setup (rigid) paperboard boxes	1998.. 666 197	5
		1997.. 645 584	X
322214	Fiber cans, tubes, drums, and similar products	1998.. 2 226 868	2
		1997.. 2 147 613	X
3222141	Paperboard fiber drums with ends of any material	1998.. 371 753	1
		1997.. 374 327	X
3222143	Fiber cans, tubes, and similar fiber products	1998.. 1 729 329	2
		1997.. 1 657 352	X
322214W	Fiber cans, tubes, drums, and similar products, nsk, total	1998.. 125 786	1
		1997.. 115 934	X
322215	Nonfolding sanitary food containers	1998.. 2 932 904	6
		1997.. 2 519 817	X
3222151	Milk and milk-type paperboard cartons, including juice, beverage, and other products	1998.. 700 310	1
		1997.. 672 333	X
3222153	Cups and liquid-tight paper and paperboard containers	1998.. 1 377 192	11
		1997.. 1 132 893	X
3222155	Other sanitary paper and paperboard food containers, boards, and trays, nec, except folding	1998.. 798 673	7
		1997.. 651 125	X
322215W	Nonfolding sanitary food containers, nsk, total	1998.. 56 730	12
		1997.. 63 466	X
322221	Coated and laminated packaging paper and plastics film	1998.. 1 469 471	5
		1997.. 1 471 733	X
3222211	Single-web paper, coated rolls and sheets, including waxed, for flexible packaging uses	1998.. 964 607	6
		1997.. 972 427	X
3222213	Multiweb laminated rolls and sheets, except foil and film-film, for flexible packaging uses	1998.. 440 658	9
		1997.. 461 466	X
322221W	Coated and laminated packaging paper and plastics film, nsk, total	1998.. 64 206	76
		1997.. 37 840	X
322222	Coated and laminated paper	1998.. 11 236 563	1
		1997.. 11 244 520	X
3222221	Printing paper, coated at establishments other than where paper was produced	1998.. 443 231	1
		1997.. 406 563	X
3222223	Gummed products	1998.. 276 324	2
		1997.. 278 979	X
3222225	Pressure-sensitive products	1998.. 7 044 152	1
		1997.. 7 112 021	X
3222226	Wallcoverings	1998.. 458 875	1
		1997.. 455 513	X
3222227	Gift wrap paper	1998.. 425 320	2
		1997.. 412 009	X
3222229	Other coated and processed papers, nec, except for packaging uses	1998.. 2 135 937	1
		1997.. 2 134 955	X
322222W	Coated and laminated paper, nsk, total	1998.. 452 725	A
		1997.. 444 480	X
322223	Plastics, foil, and coated paper bags	1998.. 548 713	2
		1997.. 571 619	X
3222231	Specialty bags, pouches, and liners, coated single-web paper	1998.. 143 473	4
		1997.. 131 347	X
3222233	Specialty bags, pouches, and liners, multiweb laminations and foil, except film-film	1998.. 376 586	3
		1997.. 420 593	X
322223W	Plastics, foil, and coated paper bags, nsk, total	1998.. 28 654	4
		1997.. 19 679	X
322224	Uncoated paper and multiwall bags	1998.. 2 757 717	1
		1997.. 2 651 924	X
3222241	Uncoated single-web paper grocers' bags and sacks and variety and shopping bags	1998.. 1 124 934	2
		1997.. 1 019 031	X
3222243	Shipping sacks and multiwall bags, all materials except textiles	1998.. 1 569 603	1
		1997.. 1 579 852	X
322224W	Uncoated paper and multiwall bags, nsk, total	1998.. 63 180	2
		1997.. 53 041	X
322225	Laminated aluminum foil for flexible packaging uses	1998.. 1 543 125	3
		1997.. 1 486 777	X
3222250	Laminated aluminum foil rolls and sheets for flexible packaging uses	1998.. 1 543 125	14
		1997.. 1 486 777	X
322226	Surface-coated paperboard	1998.. 1 073 594	1
		1997.. 1 138 997	X
3222260	Pasted, lined, laminated, or surface-coated paperboard	1998.. 1 073 594	4
		1997.. 1 138 997	X
322231	Die-cut paper and paperboard office supplies	1998.. 2 574 675	3
		1997.. 2 455 161	X
3222311	Die-cut paper and paperboard office supplies	1998.. 1 376 677	5
		1997.. 1 219 715	X
3222313	Paper supplies for business machines and other miscellaneous unprinted paper office supplies, nec	1998.. 916 850	1
		1997.. 982 789	X
322231W	Die-cut paper and paperboard office supplies, nsk, total	1998.. 281 148	17
		1997.. 252 657	X
322232	Envelopes	1998.. 3 406 427	1
		1997.. 3 464 092	X
3222320	Envelopes, commercial, all types and materials	1998.. 3 406 427	4
		1997.. 3 464 092	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
322233	Stationery, tablet, and related products	1998..	1 430 090	4
		1997..	1 377 424	X
3222331	Stationery	1998..	245 946	1
		1997..	214 646	X
3222333	Tablets, pads, and related products	1998..	1 108 957	5
		1997..	1 096 762	X
322233W	Stationery, tablets, and related products, nsk, total	1998..	75 186	40
		1997..	66 016	X
322291	Sanitary paper products	1998..	9 200 951	1
		1997..	8 563 427	X
3222911	Sanitary napkins and tampons (not made in paper mills)\$	1998..	1 658 312	1
		1997..	1 531 994	X
3222913	Disposable diapers (usually containing pulp or cellulose fibers) and similar disposable products (not made in paper mills)\$	1998..	4 451 151	1
		1997..	4 203 251	X
3222915	Sanitary tissue paper products (not made in paper mills)\$	1998..	3 040 439	1
		1997..	2 738 693	X
322291W	Sanitary paper products, nsk, total	1998..	51 049	28
		1997..	89 489	X
322299	Other converted paper products	1998..	3 693 557	5
		1997..	3 540 175	X
3222991	Molded pulp goods, including egg cartons, florist pots, food trays, etc.	1998..	452 105	2
		1997..	466 042	X
3222993	Other converted paper and paperboard products, nec	1998..	2 854 502	6
		1997..	2 596 096	X
322299W	All other converted paper products, nsk, total	1998..	386 950	34
		1997..	478 037	X
323110	Commercial lithographic printing	1998..	49 525 394	1
		1997..	47 552 463	X
3231101	Magazine and periodical printing (lithographic) (offset)	1998..	5 563 587	1
		1997..	5 239 054	X
3231103	Label and wrapper printing (lithographic) (offset)	1998..	1 753 455	3
		1997..	1 951 440	X
3231105	Catalog and directory printing (lithographic) (offset)	1998..	5 506 455	2
		1997..	5 083 723	X
3231107	Financial and legal printing (lithographic) (offset)	1998..	2 639 540	2
		1997..	2 615 116	X
3231109	Advertising printing (lithographic) (offset)	1998..	15 906 986	2
		1997..	15 049 010	X
323110B	Other general job printing, nec (lithographic) (offset)	1998..	10 500 656	2
		1997..	10 077 078	X
323110W	Commercial lithographic printing, nsk, total	1998..	7 654 715	5
		1997..	7 537 042	X
323111	Commercial gravure printing	1998..	4 109 998	1
		1997..	3 916 567	X
3231111	Magazine and periodical printing (gravure)	1998..	770 743	1
		1997..	780 767	X
3231113	Label and wrapper printing (gravure)	1998..	724 468	7
		1997..	695 077	X
3231115	Catalog and directory printing (gravure)	1998..	837 397	1
		1997..	837 823	X
3231117	Advertising printing (gravure)	1998..	842 563	1
		1997..	702 355	X
3231119	Other general job printing, nec (gravure)	1998..	569 474	5
		1997..	564 166	X
323111W	Commercial gravure printing, nsk, total	1998..	365 352	4
		1997..	336 379	X
323112	Commercial flexographic printing	1998..	4 421 983	2
		1997..	4 369 488	X
3231121	Label and wrapper printing (flexographic)	1998..	3 581 191	2
		1997..	3 554 494	X
3231123	Flexographic printing, nec (excluding labels and wrappers)	1998..	701 382	2
		1997..	712 826	X
323112W	Commercial flexographic printing, nsk, total	1998..	139 410	40
		1997..	102 168	X
323113	Commercial screen printing	1998..	6 104 060	2
		1997..	6 031 919	X
3231131	Screen printing, except on textiles	1998..	2 855 331	2
		1997..	2 759 261	X
3231133	Screen printing on garments, apparel accessories, and other fabric articles	1998..	2 388 573	2
		1997..	2 545 017	X
323113W	Commercial screen printing, nsk, total	1998..	860 157	18
		1997..	727 641	X
323114	Quick printing	1998..	3 961 805	2
		1997..	3 844 581	X
3231140	Quick printing	1998..	3 961 805	48
		1997..	3 844 581	X
323115	Digital printing	1998..	580 613	5
		1997..	493 391	X
3231150	Digital printing	1998..	580 613	13
		1997..	493 391	X
323116	Manifold business form printing	1998..	8 169 811	2
		1997..	8 304 212	X
3231161	Unit set forms, loose or bound	1998..	1 607 952	2
		1997..	1 618 023	X
3231163	Manifold books and pegboard accounting systems	1998..	155 034	1
		1997..	160 355	X
3231165	Custom continuous business forms	1998..	2 615 558	2
		1997..	2 549 893	X
3231167	Stock continuous business forms	1998..	898 786	12
		1997..	1 065 457	X
3231169	Checkbooks (including inserts and refills, but excluding those in continuous form and die-cut)	1998..	1 631 480	1
		1997..	1 628 776	X
323116W	Manifold business form printing, nsk, total	1998..	1 261 002	6
		1997..	1 281 708	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
323117	Book printing	1998..	5 758 862	2
		1997..	5 611 670	X
3231171	Textbook printing and binding	1998..	1 084 878	9
		1997..	999 809	X
3231173	Technical, scientific, and professional book printing and binding	1998..	955 581	5
		1997..	944 589	X
3231175	Religious book printing and binding	1998..	369 853	2
		1997..	339 078	X
3231177	General book (trade, etc.) printing and binding	1998..	1 309 938	1
		1997..	1 314 703	X
3231179	Other book printing and binding, nec	1998..	887 058	3
		1997..	886 439	X
323117A	Books, printing only, not bound	1998..	137 130	14
		1997..	129 760	X
323117C	Pamphlet printing and binding or printing only (excluding advertising pamphlets)	1998..	485 302	2
		1997..	471 886	X
323117W	Book printing, nsk, total	1998..	529 122	9
		1997..	525 406	X
323118	Blankbooks and looseleaf binders and devices	1998..	2 479 402	4
		1997..	2 378 729	X
3231181	Blankbook making, except checkbooks	1998..	503 407	17
		1997..	511 441	X
3231183	Looseleaf binders, devices, and forms, including those used for time planners-organizers, appointment books, photo albums, scrap books, etc.	1998..	1 761 808	1
		1997..	1 617 278	X
323118W	Blankbooks and looseleaf binders and devices, nsk, total	1998..	214 187	39
		1997..	250 010	X
323119	Other commercial printing	1998..	3 697 087	3
		1997..	3 522 023	X
3231191	Magazine and periodical printing (letterpress)	1998..	21 145	21
		1997..	25 521	X
3231193	Label and wrapper printing (letterpress)	1998..	745 998	13
		1997..	709 614	X
3231195	Catalog and directory printing (letterpress)	1998..	29 521	9
		1997..	31 755	X
3231197	Financial and legal printing (letterpress)	1998..	34 719	8
		1997..	24 412	X
3231199	Advertising printing (letterpress)	1998..	252 402	7
		1997..	250 760	X
323119B	Other general job printing (letterpress)	1998..	887 910	5
		1997..	920 295	X
323119E	Engraving (printing)	1998..	259 792	2
		1997..	257 962	X
323119W	Other commercial printing, nsk, total	1998..	1 465 600	6
		1997..	1 301 704	X
323121	Tradebinding and related work	1998..	2 047 863	3
		1997..	1 941 737	X
3231211	Edition, library, and other hardcover bookbinding	1998..	313 347	1
		1997..	296 055	X
3231213	Other book and pamphlet binding, and related binding and post-press work, nec	1998..	1 333 372	4
		1997..	1 265 260	X
323121W	Tradebinding and related work, nsk, total	1998..	401 144	28
		1997..	380 422	X
323122	Prepress services	1998..	5 473 937	3
		1997..	5 188 569	X
3231221	Prepress services, except platemaking (including film, assembled flats, color separations, typesetting, imagesetting, etc.)	1998..	3 749 046	4
		1997..	3 524 100	X
3231223	Printing plates, prepared for printing, excluding blank plates	1998..	781 858	6
		1997..	731 023	X
323122W	Prepress services, nsk, total	1998..	943 032	6
		1997..	933 446	X
324110	Refined petroleum products	1998..	113 472 099	1
		1997..	152 755 956	X
3241101	Gasoline, including finished base stocks and blending agents, aviation gasoline and motor gasoline, excluding jet fuel	1998..	57 586 510	1
		1997..	77 557 632	X
3241104	Jet fuel, including naphtha type and kerosene type	1998..	9 685 381	1
		1997..	14 017 775	X
3241107	Kerosene, except jet fuel	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.)	1998..	20 966 642	1
		1997..	28 941 405	X
324110D	Heavy fuel oils, including grades No. 5, 6, heavy diesel-type, heavy gas-enrichment oils, etc.	1998..	3 031 503	5
		1997..	4 295 288	X
324110G	Lubricating oils and greases, made in a refinery\$	1998..	877 026	4
		1997..	704 035	X
324110J	Unfinished oils and lubricating oil base stock	1998..	5 769 070	1
		1997..	8 219 990	X
324110M	Asphalt	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\$..	1998..	5 089 688	1
		1997..	8 157 277	X
324110T	Other finished petroleum products, including waxes	1998..	5 202 262	1
		1997..	5 091 239	X
324110W	Petroleum refineries, nsk, total	1998..	1 374 720	47
		1997..	1 490 796	X
324121	Asphalt paving mixtures and blocks	1998..	6 243 346	3
		1997..	5 517 147	X
3241210	Asphalt paving mixtures and blocks	1998..	6 243 346	9
		1997..	5 517 147	X
324122	Asphalt shingles and coating materials	1998..	5 033 049	1
		1997..	4 724 254	X
3241221	Roofing asphalts and pitches, coatings, and cements	1998..	897 272	3
		1997..	857 622	X
3241222	Prepared asphalt and tar roofing and siding products, including saturated felts and boards for nonbuilding use	1998..	3 794 175	1
		1997..	3 588 157	X
324122W	Asphalt shingles and coating materials, nsk, total	1998..	341 602	1
		1997..	278 475	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
324191	Petroleum lubricating oils and greases	1998.. 6 682 239 1997.. 6 008 370	1 X
3241910	Lubricating oils and greases, not made in a refinery\$	1998.. 6 682 239 1997.. 6 008 370	2 X
324199	All other petroleum and coal products	1998.. 1 500 328 1997.. 1 632 114	2 X
3241991	Coke oven and blast furnace products, not made in steel mills\$	1998.. 378 032 1997.. 450 235	1 X
3241992	All other petroleum and coal products, except coke oven products	1998.. 997 647 1997.. 1 083 135	3 X
324199W	All other petroleum and coal products, nsk, total	1998.. 124 649 1997.. 98 744	5 X
325110	Petrochemicals	1998.. 18 208 036 1997.. 18 264 093	1 X
3251101	Aromatics (benzene, toluene, xylene, etc.), not made in a refinery	1998.. 4 481 989 1997.. 4 526 855	1 X
3251104	Liquefied refinery gases (aliphatics), not made in a refinery\$	1998.. 13 484 962 1997.. 13 530 889	1 X
325110W	Petrochemicals nsk, total	1998.. 241 085 1997.. 206 349	1 X
325120	Industrial gases	1998.. 5 774 487 1997.. 5 203 749	1 X
3251201	Acetylene@	1998.. 237 645 1997.. 139 751	1 X
3251204	Carbon dioxide@	1998.. 389 250 1997.. 336 332	3 X
3251207	Nitrogen, including lower purity@	1998.. 1 288 205 1997.. 1 198 393	1 X
325120A	Oxygen, including lower purity@	1998.. 1 092 976 1997.. 993 637	1 X
325120D	Other industrial gases, including argon, hydrogen, helium, and carbon monoxide@	1998.. 2 408 818 1997.. 2 201 810	1 X
325120W	Industrial gases, nsk, total	1998.. 357 594 1997.. 333 826	13 X
325131	Inorganic pigments	1998.. 3 833 148 1997.. 3 902 931	1 X
3251311	Titanium dioxide, composite and pure	1998.. 2 421 847 1997.. 2 499 187	1 X
3251314	Other white opaque pigments (including zinc oxide pigments, titanium pigment preparations, antimony oxide, lithophone, and zink sulfides)	1998.. 425 412 1997.. 363 246	1 X
3251317	Chrome colors and other inorganic pigments@	1998.. 886 855 1997.. 929 926	1 X
325131W	Inorganic pigments, nsk, total	1998.. 99 033 1997.. 110 572	1 X
325132	Organic dyes and pigments	1998.. 2 608 111 1997.. 2 746 058	2 X
3251321	Synthetic organic dyes	1998.. 921 373 1997.. 1 060 777	3 X
3251324	Synthetic organic pigments, lakes, and toners	1998.. 1 600 020 1997.. 1 623 281	2 X
325132W	Organic dyes and pigments, nsk, total	1998.. 86 718 1997.. 62 000	14 X
325181	Alkalies and chlorine	1998.. 2 949 798 1997.. 3 081 950	1 X
3251811	Chlorine, compressed or liquefied@	1998.. 815 908 1997.. 1 223 456	5 X
3251814	Sodium hydroxide (caustic soda)@	1998.. 1 690 642 1997.. 1 446 405	1 X
3251817	Alkalies other than chlorine and sodium hydroxide@	1998.. 393 819 1997.. 389 286	1 X
325181W	Alkalies and chlorine, nsk, total	1998.. 49 429 1997.. 22 803	1 X
325182	Carbon black	1998.. 1 037 320 1997.. 948 421	9 X
3251820	Carbon black, all processes	1998.. 1 037 320 1997.. 948 421	X X
325188	All other basic inorganic chemicals	1998.. 15 624 190 1997.. 15 427 307	1 X
3251881	Sulfuric acid, gross (new and fortified)@	1998.. 659 286 1997.. 609 703	19 X
3251884	Inorganic acids, except nitric, sulfuric, and phosphoric (including hydrochloric, hydrofluoric, hydrocyanic, boric, and perchloric acids)@	1998.. 660 891 1997.. 726 727	1 X
3251887	Other inorganic aluminum compounds (including aluminum chloride, hydroxide, fluoride, sulfate, alum, and sodium aluminat)@	1998.. 779 027 1997.. 786 561	6 X
325188A	Inorganic potassium and sodium compounds, except alkalies, alums, and bleaches@	1998.. 2 110 810 1997.. 2 131 141	1 X
325188D	Chemical catalytic preparations (excluding silica gel catalyst)	1998.. 1 778 352 1997.. 1 857 618	1 X
325188G	All other inorganic chemicals, nec (including nuclear fuel, titanium tetrachloride, and other titanium compounds)@	1998.. 8 850 967 1997.. 8 627 423	1 X
325188W	Inorganic chemicals, nsk, total	1998.. 784 857 1997.. 688 134	12 X
325191	Gum and wood chemicals	1998.. 960 014 1997.. 967 964	1 X
3251910	Gum and wood chemicals, including wood distillation products	1998.. 960 014 1997.. 967 964	1 X
325192	Cyclic crudes and intermediates	1998.. 8 976 255 1997.. 9 815 911	1 X
3251921	Cyclic (coal tar) intermediates	1998.. 8 170 378 1997.. 8 905 865	1 X
3251924	Tar, tar crudes, and tar pitches	1998.. 773 341 1997.. 877 303	1 X
325192W	Cyclic crudes and intermediates, nsk, total	1998.. 32 536 1997.. 32 743	1 X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
325193	Ethyl alcohol.....	1998..	1 975 164	1
		1997..	2 275 262	X
3251930	Ethyl alcohol.....	1998..	1 975 164	74
		1997..	2 275 262	X
325199	All other basic organic chemicals.....	1998..	41 920 932	1
		1997..	46 494 637	X
3251991	Fatty acids.....	1998..	1 063 204	1
		1997..	1 165 194	X
3251994	Bulk pesticides and other bulk synthetic organic agricultural chemicals, except preparations.....	1998..	1 105 473	5
		1997..	1 203 403	X
3251997	Industrial organic flavor oil mixtures and blends.....	1998..	264 750	3
		1997..	276 740	X
325199A	Reagent and high purity grades of organic chemicals refined from purchased technical grades.....	1998..	374 245	1
		1997..	407 223	X
325199E	Natural organic chemicals, nec.....	1998..	909 182	3
		1997..	932 020	X
325199H	Synthetic organic chemicals for use as flavor and perfume materials.....	1998..	1 648 950	12
		1997..	1 614 237	X
325199K	Synthetic organic rubber-processing chemicals.....	1998..	644 593	1
		1997..	614 776	X
325199N	Synthetic organic plasticizers.....	1998..	930 798	4
		1997..	958 211	X
325199R	Other synthetic organic chemicals, nec.....	1998..	1 914 075	5
		1997..	2 076 002	X
325199T	Miscellaneous end-use chemicals and chemical products (excluding urea), and other industrial organic chemicals, nec.....	1998..	10 886 124	1
		1997..	12 153 718	X
325199U	Miscellaneous cyclic and acyclic chemicals and chemical products, except fluorocarbon gases, carbon bisulfide (disulfide), and fatty acid esters.....	1998..	20 152 642	2
		1997..	23 104 794	X
325199W	All other basic organic chemicals, nsk, total.....	1998..	2 026 897	4
		1997..	1 988 319	X
325211	Plastics materials and resins.....	1998..	44 864 119	1
		1997..	45 788 277	X
3252111	Thermoplastics resins and plastics materials (including vinyl, polyester (saturated), styrene, cellulosic, acrylic, etc.).....	1998..	35 357 569	1
		1997..	36 544 522	X
3252114	Thermosetting resins and plastics materials (including polyester resins (unsaturated), amino resins, polyurethane resins, epoxy resins).....	1998..	8 818 767	1
		1997..	8 722 920	X
325211W	Plastics materials and resins, nsk, total.....	1998..	687 784	5
		1997..	520 835	X
325212	Synthetic rubber (vulcanizable elastomers).....	1998..	5 674 067	1
		1997..	6 247 593	X
3252120	Synthetic rubber (including vulcanizable elastomers, latex, SBR, nitrile, butyl, etc.).....	1998..	5 674 067	6
		1997..	6 247 593	X
325221	Manufactured cellulosic fibers.....	1998..	1 483 690	1
		1997..	1 728 274	X
3252210	Rayon, acetate, and lyocell manufactured fibers.....	1998..	1 483 690	X
		1997..	1 728 274	X
325222	Manufactured noncellulosic fibers.....	1998..	10 461 376	1
		1997..	10 361 077	X
3252221	Nylon and other polyamide fibers.....	1998..	3 363 929	1
		1997..	2 906 373	X
3252224	Polyolefin fibers.....	1998..	262 440	17
		1997..	185 982	X
3252227	Polyester fibers.....	1998..	3 080 480	1
		1997..	3 343 156	X
325222A	Other manufactured noncellulosic fibers (except glass, carbon, and graphite).....	1998..	1 451 990	1
		1997..	1 029 313	X
325222D	Producer textured manufactured noncellulosic fibers.....	1998..	2 275 754	1
		1997..	2 867 506	X
325222W	Manufactured noncellulosic organic fibers, nsk, total.....	1998..	26 783	1
		1997..	28 747	X
325311	Nitrogenous fertilizers.....	1998..	3 882 426	2
		1997..	4 508 212	X
3253111	Synthetic ammonia, nitric acid, and ammonium compounds@.....	1998..	3 003 016	3
		1997..	3 511 869	X
3253114	Urea@.....	1998..	674 860	1
		1997..	785 090	X
3253117	Nitrogenous fertilizer materials of organic origin, including activated sewage sludge, processed tankage, etc.....	1998..	23 585	90
		1997..	70 394	X
325311W	Nitrogenous fertilizers, nsk, total.....	1998..	180 966	1
		1997..	140 859	X
325312	Phosphatic fertilizers.....	1998..	5 506 078	1
		1997..	5 437 681	X
3253121	Phosphoric acid@.....	1998..	1 575 630	1
		1997..	1 415 789	X
3253124	Superphosphate and other phosphatic fertilizer materials@.....	1998..	3 612 996	1
		1997..	3 534 836	X
3253127	Mixed fertilizers, made by plants which manufacture fertilizer materials\$.....	1998..	274 426	1
		1997..	399 212	X
325312W	Phosphatic fertilizers, nsk, total.....	1998..	43 027	1
		1997..	87 844	X
325314	Fertilizers, mixing only.....	1998..	3 103 297	1
		1997..	2 926 545	X
3253140	Mixed fertilizers, made by plants which do not manufacture fertilizer materials\$.....	1998..	3 103 297	2
		1997..	2 926 545	X
325320	Pesticides and other agricultural chemicals.....	1998..	11 172 794	1
		1997..	11 080 645	X
3253201	Agricultural and commercial pesticides and chemicals.....	1998..	8 469 140	1
		1997..	9 240 310	X
3253204	Lawn and garden pesticides and chemicals.....	1998..	467 857	9
		1997..	360 784	X
3253207	Household and institutional pesticides and chemicals.....	1998..	2 067 076	1
		1997..	1 138 271	X
325320W	Pesticide and other agricultural chemical manufacturing, nec, nsk, total.....	1998..	168 721	A
		1997..	341 280	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
325411	Medicinals and botanicals	1998..	11 876 086	1
		1997..	10 985 397	X
3254111	Synthetic organic medicinal chemicals, in bulk	1998..	8 920 612	1
		1997..	8 249 175	X
3254114	Other medicinal chemicals and botanical products, in bulk, nec (including naturally occurring vitamins, hormones, drugs, and artificial mixtures)	1998..	2 696 460	1
		1997..	2 625 474	X
325411W	Medicinals and botanicals, nsk, total	1998..	259 014	39
		1997..	110 748	X
325412	Pharmaceutical preparations	1998..	67 688 514	1
		1997..	59 776 079	X
3254121	Pharmaceutical preparations, affecting neoplasms, the endocrine system, and metabolic diseases, for human use@	1998..	7 013 317	2
		1997..	4 913 584	X
3254124	Pharmaceutical preparations, acting on the central nervous system and the sense organs, for human use, excluding diagnostics@	1998..	13 496 046	2
		1997..	11 835 489	X
3254127	Pharmaceutical preparations, acting on the cardiovascular system, for human use, excluding diagnostics@	1998..	9 500 381	1
		1997..	8 928 363	X
325412A	Pharmaceutical preparations, acting on the respiratory system, for human use, excluding diagnostics@	1998..	6 944 230	3
		1997..	5 743 970	X
325412D	Pharmaceutical preparations, acting on the digestive or the genito-urinary systems, for human use, excluding diagnostics@	1998..	9 157 899	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.)@	1998..	1 935 847	5
		1997..	1 822 718	X
325412L	Pharmaceutical preparations, vitamin, nutrient, and hematonic preparations, for human use@	1998..	6 400 023	1
		1997..	5 234 016	X
325412P	Pharmaceutical preparations, affecting parasitic and infective diseases, for human use (including penicillins, antibiotics, antiseptic mouthwash, etc.)@	1998..	8 623 581	1
		1997..	7 656 284	X
325412T	Pharmaceutical preparations, for veterinary use@	1998..	1 873 050	1
		1997..	1 593 352	X
325412V	Diagnostic substances, in vivo (including angiographic agents, other contrast media products, radioactive reagents, etc.)	1998..	1 188 052	1
		1997..	1 177 634	X
325412W	Pharmaceutical preparations, nsk, total	1998..	1 556 091	6
		1997..	1 510 066	X
325413	Diagnostic substances, in vitro	1998..	7 238 940	2
		1997..	6 530 908	X
3254130	Diagnostic substances, in vitro (including clinical chemistry, blood bank, hematology, coagulation, microbiology, virology, etc.)	1998..	7 238 940	A
		1997..	6 530 908	X
325414	Biological products, except diagnostics	1998..	6 472 350	1
		1997..	5 442 279	X
3254141	Blood and blood derivatives, except diagnostics, for human use	1998..	1 050 873	1
		1997..	1 060 150	X
3254144	Vaccines, toxoids, and antigens, except allergens, for human use	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)	1998..	2 041 936	1
		1997..	1 549 353	X
325414A	Biological products, except diagnostic, for veterinary, industrial, and other uses, nec	1998..	1 626 801	2
		1997..	1 304 739	X
325414W	Biological products, except diagnostic, nsk, total	1998..	341 154	5
		1997..	262 577	X
325510	Paints and coatings	1998..	18 692 063	4
		1997..	18 183 164	X
3255101	Architectural coatings@	1998..	6 431 981	1
		1997..	6 171 850	X
3255104	Product finishes for original equipment manufacturers (OEM), excluding marine coatings@	1998..	5 815 939	2
		1997..	5 778 526	X
3255107	Special-purpose coatings including all marine coatings, industrial, construction and maintenance coatings, traffic marking paints, etc.@	1998..	3 518 417	6
		1997..	3 024 021	X
325510A	Miscellaneous allied paint products (including paint and varnish removers, thinners, pigment dispersions, glazing compounds, etc.)@	1998..	1 574 975	5
		1997..	1 679 852	X
325510W	Paints and coatings, nsk, total	1998..	1 350 751	A
		1997..	1 528 915	X
325520	Adhesives and sealants	1998..	7 292 627	1
		1997..	7 415 690	X
3255201	Natural base glues and adhesives (including animal, bone, protein, vegetable, gums, bituminous, etc.)	1998..	360 089	9
		1997..	324 534	X
3255204	Synthetic resin and rubber adhesives, including all types of bonding and laminating adhesives	1998..	4 186 804	2
		1997..	4 339 071	X
3255207	Structural sealants (load-bearing)	1998..	351 347	1
		1997..	497 742	X
325520A	Nonstructural caulking compounds and sealants	1998..	1 358 843	3
		1997..	1 443 225	X
325520W	Adhesives and sealants, nsk, total	1998..	1 035 544	2
		1997..	811 118	X
325611	Soaps and other detergents	1998..	14 317 564	4
		1997..	14 353 194	X
3256111	Commercial, industrial, and institutional soaps and detergents, except specialty cleaners	1998..	2 189 384	16
		1997..	2 297 099	X
3256114	Household detergents	1998..	7 068 844	1
		1997..	7 175 286	X
3256117	Household soaps, except specialty cleaners (including toilet soaps, medicated and mechanics' soap, etc.)	1998..	2 059 808	5
		1997..	1 832 132	X
325611A	Glycerin, natural	1998..	228 958	2
		1997..	265 942	X
325611D	Toothpaste, including gels and toothpowder	1998..	1 082 904	3
		1997..	1 403 379	X
325611W	Soap and other detergents, nsk, total	1998..	1 687 667	37
		1997..	1 379 356	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
325612	Polishes and sanitation goods	1998.. 7 747 788 1997.. 8 157 839	2 X
3256121	Chlorine and other inorganic bleaching compounds, household (sodium hypochlorite, etc., 100 percent Cl equivalent)@	1998.. 957 393 1997.. 1 002 094	1 X
3256124	Specialty cleaning and sanitation products	1998.. 4 624 066 1997.. 5 161 093	2 X
3256127	Polishing preparations and related products (including automobile, floor, and metal polishes)	1998.. 1 064 570 1997.. 1 063 788	5 X
325612W	Polishes and sanitation goods, nsk, total	1998.. 1 101 760 1997.. 930 864	16 X
325613	Surfactants, finishing agents, and assistants	1998.. 6 215 136 1997.. 5 954 347	1 X
3256130	Surfactants, finishing agents, and assistants	1998.. 6 215 136 1997.. 5 954 347	18 X
325620	Toilet preparations	1998.. 23 227 614 1997.. 22 989 247	1 X
3256201	Shaving preparations (including shaving soaps, creams, gels, aftershave and preshave preparations, styptics, etc.)	1998.. 458 471 1997.. 503 711	1 X
3256204	Perfumes, toilet waters, and colognes (including perfume oil mixtures and blends)	1998.. 3 198 004 1997.. 3 059 475	3 X
3256207	Hair preparations (including shampoos, permanents, dyes, sprays, rinses, dressings, etc.)	1998.. 4 773 453 1997.. 5 385 287	4 X
325620A	Denture cleaners and other oral hygiene products	1998.. 672 374 1997.. 745 978	6 X
325620D	Creams, lotions, and oils, excluding shaving, hair, deodorant, eye, manicuring, and bath	1998.. 4 067 390 1997.. 4 134 047	3 X
325620G	Other cosmetics and toilet preparations, nec (including cosmetics, powders, manicuring preparations, personal deodorants, bath salts, and bubble bath)	1998.. 7 621 347 1997.. 7 585 031	1 X
325620W	Toilet preparations, nsk, total	1998.. 2 436 574 1997.. 1 575 718	16 X
325910	Printing ink	1998.. 4 148 582 1997.. 3 966 561	3 X
3259101	Letterpress printing inks	1998.. 189 795 1997.. 227 700	7 X
3259104	Lithographic and offset printing inks	1998.. 1 674 370 1997.. 1 681 013	8 X
3259107	Gravure printing inks	1998.. 608 553 1997.. 574 565	3 X
325910A	Flexographic printing inks	1998.. 819 907 1997.. 703 084	6 X
325910E	Nonimpact-digital inks	1998.. 95 824 1997.. 96 034	1 X
325910H	Printing inks, nec	1998.. 232 141 1997.. 228 316	10 X
325910W	Printing ink, nsk, total	1998.. 527 993 1997.. 455 849	1 X
325920	Explosives	1998.. 1 056 590 1997.. 1 233 005	3 X
3259200	Explosives, propellants, and blasting accessories, except those shipped by government-owned, contractor-operated plants	1998.. 1 056 590 1997.. 1 233 005	3 X
325991	Custom compounding of purchased resin	1998.. 7 527 561 1997.. 7 243 386	1 X
3259911	Custom compounding of purchased resins and color concentrates	1998.. 6 092 343 1997.. 5 827 484	1 X
3259912	Resins in the form of pellets from spent or post consumer plastics	1998.. 412 139 1997.. 501 958	3 X
325991W	Custom compounding of purchased resin, nsk, total	1998.. 1 023 079 1997.. 913 944	13 X
325992	Photographic film, paper, plate and chemical products	1998.. 10 218 823 1997.. 11 916 783	1 X
3259921	Photographic sensitized film, plates, paper, and cloth, silver halide type (except x-ray)	1998.. 5 171 901 1997.. 6 811 073	1 X
3259923	Sensitized photographic film, plates, paper, and cloth, other than silver halide type (including x-ray)	1998.. 2 813 088 1997.. 2 835 477	1 X
3259925	Prepared photographic chemicals	1998.. 2 006 586 1997.. 2 136 630	1 X
325992W	Photographic film, paper, plate, and chemical manufacturing, nsk, total	1998.. 227 249 1997.. 133 603	2 X
325998	All other miscellaneous chemical products	1998.. 12 120 003 1997.. 11 847 198	1 X
3259981	Evaporated salt (bulk, pressed blocks, and packaged), except table salt	1998.. 500 117 1997.. 408 074	1 X
3259984	Matches	1998.. 54 082 1997.. 53 406	1 X
3259987	Gelatin, except ready-to-eat desserts (including food grade, pharmaceutical, photographic, unfilled capsules, etc.)	1998.. 457 669 1997.. 445 300	1 X
325998A	Water treating compounds	1998.. 2 023 062 1997.. 2 097 455	4 X
325998E	Automotive chemicals	1998.. 787 000 1997.. 690 311	4 X
325998H	Chemical preparations, nec, including essential oils@	1998.. 6 487 908 1997.. 6 449 678	2 X
325998W	Miscellaneous chemical products, nec, nsk, total	1998.. 1 810 166 1997.. 1 702 974	7 X
326111	Plastics bags	1998.. 7 202 610 1997.. 6 943 237	3 X
3261111	Single-web film specialty bags, pouches, and liners	1998.. 6 045 646 1997.. 5 884 488	2 X
3261113	Multiweb film-film specialty bags, pouches, and liners	1998.. 667 651 1997.. 533 194	24 X
326111W	Plastics bags, nsk, total	1998.. 489 312 1997.. 525 555	8 X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
326112	Unsupported plastics film and sheet for packaging	1998..	3 331 982	3
		1997..	3 417 581	X
3261121	Coated single-web film, rolls and sheets (including coextruded), for flexible packaging use	1998..	1 725 231	1
		1997..	1 796 121	X
3261123	Film-film multiweb laminated rolls and sheets, for flexible packaging uses	1998..	1 344 186	8
		1997..	1 407 449	X
326112W	Unsupported plastics film and sheet for packaging, nsk, total	1998..	262 565	18
		1997..	214 011	X
326113	Unsupported plastics film and sheet (except packaging)	1998..	13 882 038	1
		1997..	14 092 049	X
3261130	Unsupported plastics film and sheet for uses other than packaging	1998..	13 882 038	2
		1997..	14 092 049	X
326121	Unsupported plastics profile shapes	1998..	4 455 136	2
		1997..	4 360 590	X
3261210	Unsupported plastics rods, tubes, profiles, and other shapes	1998..	4 455 136	14
		1997..	4 360 590	X
326122	Plastics pipe and pipe fittings	1998..	4 882 535	4
		1997..	4 847 645	X
3261221	Plastics pipe	1998..	3 785 989	4
		1997..	3 824 296	X
3261223	Plastics pipe fittings and unions	1998..	717 896	8
		1997..	621 128	X
326122W	Plastics pipe and pipe fittings, nsk, total	1998..	378 650	A
		1997..	402 221	X
326130	Laminated plastics plate, sheet and shapes	1998..	2 740 766	2
		1997..	3 061 022	X
3261300	Plastics laminates (excluding flexible packaging)	1998..	2 740 766	3
		1997..	3 061 022	X
326140	Polystyrene foam products	1998..	5 484 235	1
		1997..	5 253 950	X
3261401	Transportation polystyrene foam products (including seating, dash, and other interior-exterior components)	1998..	218 714	8
		1997..	188 849	X
3261402	Packaging polystyrene foam products	1998..	1 472 948	5
		1997..	1 318 448	X
3261403	Building and construction polystyrene foam products	1998..	861 767	1
		1997..	870 240	X
3261404	Furniture and furnishings polystyrene foam products	1998..	24 976	3
		1997..	27 025	X
3261405	Consumer and institutional polystyrene foam products	1998..	2 051 922	1
		1997..	1 962 783	X
3261406	Miscellaneous polystyrene foam products, nec	1998..	179 117	4
		1997..	169 913	X
326140W	Polystyrene foam products, nsk, total	1998..	674 792	14
		1997..	716 692	X
326150	Urethane and foam products other than polystyrene	1998..	6 417 589	2
		1997..	6 267 820	X
3261501	Transportation polyurethane foam products	1998..	1 367 408	1
		1997..	1 260 730	X
3261502	Packaging polyurethane foam products	1998..	404 009	6
		1997..	356 025	X
3261503	Building and construction polyurethane foam products	1998..	471 804	3
		1997..	481 221	X
3261504	Furniture and furnishings polyurethane foam products	1998..	2 388 564	1
		1997..	2 264 499	X
3261505	Consumer and institutional polyurethane foam products	1998..	203 958	9
		1997..	198 085	X
3261506	Miscellaneous polyurethane foam products, nec	1998..	352 179	4
		1997..	352 602	X
3261509	Products made of foam other than polystyrene or polyurethane including phenolics, vinyl and cellulose acetate, etc.	1998..	897 721	11
		1997..	968 036	X
326150W	Polyurethane and other foam products, nsk, total	1998..	331 945	11
		1997..	386 622	X
326160	Plastics bottles	1998..	7 070 938	2
		1997..	6 538 172	X
3261600	Plastics bottles	1998..	7 070 938	3
		1997..	6 538 172	X
326191	Plastics plumbing fixtures	1998..	2 337 793	6
		1997..	2 239 923	X
3261910	Plastics plumbing fixtures	1998..	2 337 793	6
		1997..	2 239 923	X
326192	Resilient floor coverings	1998..	1 650 586	1
		1997..	1 643 118	X
3261920	Resilient floor coverings	1998..	1 650 586	1
		1997..	1 643 118	X
326199	All other plastics products	1998..	65 018 639	1
		1997..	62 354 192	X
3261991	Transportation fabricated plastics products (except foam and reinforced plastics)	1998..	14 134 124	2
		1997..	13 159 120	X
3261992	Electrical and electronic fabricated plastics products (except foam and reinforced plastics)	1998..	4 887 602	3
		1997..	5 331 106	X
3261993	Industrial machinery plastics products, except foam (including gears, bearings, bushings, cams, and other components)	1998..	1 416 597	11
		1997..	1 256 974	X
3261994	Plastics packaging (except film and sheet, foam, and bottles)	1998..	8 283 193	2
		1997..	8 411 934	X
3261995	Plastics dinnerware, tableware, kitchenware, and oven-microwave ware (except foam and cups)	1998..	1 760 443	2
		1997..	1 676 510	X
3261996	Consumer, institutional, and commercial fabricated plastics products (except foam and wire coated), nec@	1998..	13 784 694	1
		1997..	13 171 929	X
3261997	Plastics furniture components and furnishings (except foam and reinforced plastics)	1998..	822 554	3
		1997..	752 800	X
3261998	Building and construction fabricated plastics products (except foam, plumbing fixtures, hardware, or reinforced plastics)	1998..	7 291 834	2
		1997..	6 981 385	X
3261999	Plastics shoe products, including taps, soles, and quarterlinings	1998..	192 288	4
		1997..	179 030	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
326199	All other plastics products—Con.			
326199A	Reinforced and fiberglass plastics products, nec	1998..	5 209 252	3
		1997..	4 906 908	X
326199W	All other plastics products, nsk, total	1998..	7 236 058	7
		1997..	6 526 496	X
326211	Tires and tire retreading	1998..	13 967 803	1
		1997..	14 328 902	X
3262111	Passenger car pneumatic tires (casings)	1998..	6 234 389	1
		1997..	6 677 438	X
3262113	Truck and bus (including off-highway) pneumatic tires	1998..	5 319 622	1
		1997..	5 157 561	X
3262117	Tractor and implement (farm and industrial) pneumatic tires	1998..	739 132	1
		1997..	807 777	X
3262119	Industrial and utility pneumatic tires (including garden)	1998..	220 546	5
		1997..	190 015	X
326211B	Other pneumatic tires and casings (including motorbike, motorcycle, moped, bicycle, aircraft, and mobile home)	1998..	204 821	1
		1997..	200 260	X
326211D	Solid and semipneumatic tires	1998..	188 112	9
		1997..	169 779	X
326211F	Inner tubes	1998..	134 845	1
		1997..	144 418	X
326211H	Tread rubber, tire sundries, and repair materials	1998..	823 992	3
		1997..	870 252	X
326211W	Tires, nsk, total	1998..	102 344	23
		1997..	111 402	X
326212	Tire retreading	1998..	838 604	4
		1997..	795 758	X
3262120	Tire rebuilding and retreading	1998..	838 604	57
		1997..	795 758	X
326220	Rubber and plastics hoses and belting	1998..	4 052 627	1
		1997..	3 883 247	X
3262201	Flat rubber and plastics belts and belting	1998..	661 525	5
		1997..	600 817	X
3262202	Rubber and plastics transmission belts and belting other than flat	1998..	905 480	1
		1997..	813 666	X
3262203	Hose for on- and off-highway motor vehicles (made of rubber and other materials, including plastics and nylon)	1998..	968 341	1
		1997..	948 356	X
3262204	Industrial rubber and plastics hose without fittings (chemical handling, food and beverage, petroleum curb pump, dock, transfer, etc.)	1998..	439 224	2
		1997..	400 532	X
3262205	Rubber and plastics water hose (including fire, irrigation, water suction-discharge, and other water hose), nec	1998..	117 203	15
		1997..	136 684	X
3262206	Rubber and plastics garden hose with or without fittings	1998..	273 414	8
		1997..	229 985	X
3262207	Rubber and plastics inner tube type airhose other than pneumatic power transfer	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	1998..	448 574	8
		1997..	546 790	X
326220W	Rubber and plastics hoses and belting, nsk	1998..	129 511	1
		1997..	97 991	X
326291	Rubber products for mechanical use	1998..	6 712 606	3
		1997..	6 220 477	X
3262911	Molded rubber mechanical goods, automotive	1998..	2 510 027	1
		1997..	2 292 762	X
3262912	Molded rubber mechanical goods, transportation (except automotive) and off-highway machinery and equipment	1998..	694 288	13
		1997..	547 974	X
3262913	Molded rubber mechanical goods, nec	1998..	1 205 937	14
		1997..	1 203 631	X
3262914	Extruded rubber mechanical goods, automotive (except tubing)	1998..	1 347 691	2
		1997..	1 225 339	X
3262915	Extruded rubber mechanical goods (except automotive)	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)	1998..	106 604	1
		1997..	104 622	X
3262917	Lathe-cut rubber mechanical goods (except automotive and transportation)	1998..	86 830	1
		1997..	87 766	X
326291W	Rubber products for mechanical use, nsk, total	1998..	251 069	97
		1997..	229 400	X
326299	All other rubber products	1998..	8 151 921	1
		1997..	7 947 635	X
3262991	Rubber sponge, expanded and foam rubber products	1998..	1 172 341	3
		1997..	1 204 365	X
3262993	Rubber floor and wall coverings	1998..	774 671	2
		1997..	722 776	X
3262994	Rubber shoe products, elastomer resin	1998..	182 153	17
		1997..	131 345	X
3262995	Rubber druggist and medical sundries (including household gloves)@	1998..	879 354	1
		1997..	938 935	X
3262996	Rubber compounds or mixtures for sale or interplant transfer	1998..	1 549 208	1
		1997..	1 549 610	X
3262997	Industrial rubber products, nec	1998..	1 885 004	5
		1997..	1 777 654	X
3262998	Rubber gloves and clothing	1998..	152 343	7
		1997..	171 433	X
3262999	Rubber goods, nec	1998..	930 149	4
		1997..	983 040	X
326299W	All other rubber products, nsk, total	1998..	626 698	24
		1997..	468 477	X
327111	Vitreous plumbing fixtures	1998..	1 103 069	1
		1997..	984 343	X
3271110	Vitreous plumbing fixtures, accessories, and fittings, including earthenware	1998..	1 103 069	1
		1997..	984 343	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
327112	Vitreous china, fine earthenware and other pottery products	1998..	1 483 664	2
		1997..	1 460 910	X
3271121	Vitreous china, porcelain, and earthenware (semivitreous) table and kitchenware (including bone and feldspar)	1998..	466 552	1
		1997..	418 642	X
3271124	Pottery products, nec (including china decorating for the trade)	1998..	928 448	3
		1997..	977 479	X
327112W	Vitreous china, fine earthenware, and other pottery products, nsk, total	1998..	88 665	18
		1997..	64 789	X
327113	Porcelain electrical supplies	1998..	1 256 206	3
		1997..	1 206 082	X
3271130	Porcelain, steatite, and other ceramic electrical products	1998..	1 256 206	3
		1997..	1 206 082	X
327121	Brick and structural clay tile	1998..	1 408 107	3
		1997..	1 346 318	X
3271210	Brick and structural clay tile (including building or common, paving, floor, sewer, glazed brick, and structural hollow tile)@	1998..	1 408 107	A
		1997..	1 346 318	X
327122	Ceramic wall and floor tile	1998..	770 201	2
		1997..	811 850	X
3271220	Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile)@	1998..	770 201	2
		1997..	811 850	X
327123	Other structural clay products, nec	1998..	133 598	1
		1997..	120 284	X
3271231	Vitrified clay sewer pipe and fittings	1998..	46 531	1
		1997..	46 531	X
3271234	Other structural clay products, nec (architectural terra cotta, drain tile, flue tile, roofing tile, conduit, etc.), except clay refractories	1998..	72 655	2
		1997..	63 929	X
327123W	Other structural clay products, nec, nsk, total	1998..	14 412	1
		1997..	9 824	X
327124	Clay refractories	1998..	1 080 278	1
		1997..	1 107 905	X
3271240	Clay refractories@	1998..	1 080 278	18
		1997..	1 107 905	X
327125	Nonclay refractories	1998..	1 405 289	1
		1997..	1 493 054	X
3271250	Nonclay refractories (except dead-burned magnesia)@	1998..	1 405 289	9
		1997..	1 493 054	X
327211	Flat glass	1998..	2 612 581	1
		1997..	2 669 034	X
3272111	Flat glass (float, sheet, and plate), made by flat glass producers@	1998..	1 831 285	1
		1997..	1 888 468	X
3272113	Laminated glass, made by flat glass producers\$	1998..	D	X
		1997..	D	X
3272115	Other glass products, nec, made by flat glass producers	1998..	D	X
		1997..	D	X
327211W	Flat glass, nsk, total	1998..	5	X
		1997..	13	X
327212	Other pressed and blown glass and glassware	1998..	5 916 525	3
		1997..	5 933 796	X
3272121	Glass fiber, textile-type, made by establishments producing glass	1998..	1 962 304	1
		1997..	1 931 456	X
3272123	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made by establishments producing glass@ \$	1998..	968 176	1
		1997..	1 000 701	X
3272125	Machine-made pressed and blown lighting, automotive, and electronic glassware, made by establishments producing glass@ \$	1998..	1 590 186	1
		1997..	1 697 238	X
3272127	All other machine-made pressed and blown glassware, made by establishments producing glass@ \$	1998..	1 031 315	17
		1997..	960 153	X
3272129	Handmade pressed and blown glassware, made by establishments producing glass@ \$	1998..	179 575	1
		1997..	181 802	X
327212W	Other pressed and blown glass and glassware, nsk, total	1998..	184 970	2
		1997..	162 446	X
327213	Glass containers	1998..	4 208 853	1
		1997..	4 176 306	X
3272130	Glass containers (including value of packaging)@	1998..	4 208 853	1
		1997..	4 176 306	X
327215	Glass products made of purchased glass	1998..	9 681 031	1
		1997..	9 704 901	X
3272151	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made in establishments not producing glass@ \$	1998..	543 623	1
		1997..	530 740	X
3272153	All other machine-made pressed and blown glassware, made in establishments not producing glass@ \$	1998..	843 841	3
		1997..	906 785	X
3272155	Handmade pressed and blown glassware, made in establishments not producing glass@ \$	1998..	121 622	2
		1997..	125 599	X
3272157	Laminated glass, made in establishments not producing glass\$	1998..	D	X
		1997..	D	X
3272159	Mirrors (decorated or undecorated), made in establishments not producing glass	1998..	1 092 154	3
		1997..	1 040 953	X
327215A	Other glass products, nec, made in establishments not producing glass@	1998..	D	X
		1997..	D	X
327215W	Glass products, made of purchased glass, nsk, total	1998..	683 790	33
		1997..	633 712	X
327310	Cement, hydraulic	1998..	6 749 691	1
		1997..	6 357 062	X
3273100	Cement, hydraulic (including cost of shipping containers)	1998..	6 749 691	7
		1997..	6 357 062	X
327320	Ready-mixed concrete	1998..	18 328 103	1
		1997..	16 094 406	X
3273200	Ready-mixed concrete	1998..	18 328 103	A
		1997..	16 094 406	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
327331	Concrete block and brick	1998 2 717 464	5
		1997 2 406 592	X
3273310	Concrete block and brick	1998 2 717 464	30
		1997 2 406 592	X
327332	Concrete pipe	1998 2 108 966	10
		1997 1 827 286	X
3273320	Concrete pipe	1998 2 108 966	A
		1997 1 827 286	X
327390	Concrete products, except block, brick, and pipe	1998 6 709 071	2
		1997 5 746 532	X
3273901	Precast concrete products	1998 4 150 255	3
		1997 3 228 417	X
3273904	Prestressed concrete products	1998 1 882 964	3
		1997 1 352 422	X
327390W	Concrete products, nec, nsk, total	1998 675 852	26
		1997 1 165 693	X
327410	Lime	1998 1 188 010	3
		1997 1 092 240	X
3274100	Lime@	1998 1 188 010	3
		1997 1 092 240	X
327420	Gypsum and gypsum products	1998 4 957 519	4
		1997 4 093 316	X
3274201	Gypsum building materials, building plasters, etc.	1998 4 161 727	4
		1997 3 497 044	X
3274204	Other gypsum products (including industrial plasters)	1998 684 098	14
		1997 521 868	X
327420W	Gypsum products, nsk, total	1998 111 693	74
		1997 74 404	X
327910	Abrasive products	1998 4 050 662	3
		1997 4 140 936	X
3279101	Nonmetallic sized grains, powders, and flour abrasives (including graded products only)	1998 575 211	7
		1997 582 838	X
3279104	Nonmetallic abrasive products (including diamond abrasives)	1998 1 180 820	7
		1997 1 176 259	X
3279107	Nonmetallic coated abrasive products and buffing wheels, polishing wheels, and laps	1998 2 048 887	1
		1997 2 025 678	X
327910A	Metal abrasives	1998 124 686	19
		1997 136 642	X
327910W	Abrasive products, nsk, total	1998 121 058	89
		1997 219 519	X
327991	Cut stone and stone products	1998 1 253 752	4
		1997 1 196 176	X
3279911	Dressed dimension granite (including gneiss, syenite, diorite, and cut granite)	1998 552 914	4
		1997 547 779	X
3279914	Dressed dimension limestone (including dolomite, travertine, calcareous, tufa, and cut limestone)	1998 212 160	17
		1997 174 012	X
3279917	Dressed dimension marble and other stone	1998 217 661	7
		1997 230 798	X
327991W	Cut stone and stone products, nsk, total	1998 271 017	14
		1997 243 587	X
327992	Minerals, ground or treated	1998 2 250 457	6
		1997 2 269 527	X
3279920	Minerals and earths, ground or otherwise treated@	1998 2 250 457	A
		1997 2 269 527	X
327993	Mineral wool	1998 4 324 940	4
		1997 4 287 080	X
3279931	Mineral wool for thermal and acoustical envelope insulation (for insulating homes and commercial and industrial buildings)	1998 2 931 018	5
		1997 2 996 204	X
3279934	Mineral wool for industrial, equipment, and appliance insulation	1998 1 239 874	2
		1997 1 147 892	X
327993W	Mineral wool, nsk, total	1998 154 047	43
		1997 142 984	X
327999	All Other Miscellaneous Nonmetallic Mineral Products	1998 1 722 628	4
		1997 1 661 514	X
3279990	Nonmetallic mineral products, nec	1998 1 722 628	56
		1997 1 661 514	X
331111	Iron and steel mill products	1998 55 417 742	1
		1997 56 233 908	X
3311111	Coke oven and blast furnace products, made in steel mills\$	1998 2 527 905	1
		1997 2 419 662	X
3311112	Iron and steel powders, paste, and flakes	1998 512 749	2
		1997 512 063	X
3311113	Steel ingots and semifinished shapes and forms@	1998 4 262 963	1
		1997 4 500 715	X
3311115	Hot rolled steel sheet and strip, including tin mill products, tinplate, blackplate, terneplate, and tin-free steel@	1998 20 954 143	1
		1997 22 060 627	X
3311117	Hot rolled steel bars and bar shapes, plates, structural shapes, and piling, including concrete reinforcing and tool steel bars@	1998 13 740 436	2
		1997 13 291 632	X
3311119	Steel wire, including galvanized and other coated wire, made in steel mills producing wire rods or hot rolled bars@ \$	1998 437 417	1
		1997 454 641	X
331111B	Steel pipes and tubes, made in steel mills producing semifinished shapes or plate@ \$	1998 2 014 243	1
		1997 2 575 188	X
331111D	Cold rolled steel sheet and strip, made in steel mills producing hot rolled sheet or strip@ \$	1998 8 969 676	1
		1997 8 516 868	X
331111F	Cold finished steel bars and bar shapes, made in steel mills producing hot rolled bars and bar shapes@ \$	1998 949 352	2
		1997 935 511	X
331111H	Seamless rolled ring forgings, ferrous, made in steel mills\$	1998 D	X
		1997 D	X
331111J	Open die or smith forgings (hammer or press), ferrous, made in steel mills\$	1998 D	X
		1997 D	X
331111L	Other steel mill products, including steel rails, except wire products@	1998 646 401	1
		1997 585 921	X
331111W	Iron and steel mill products, nsk, total	1998 110 936	16
		1997 94 826	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
331112	Electrometallurgical ferroalloy products	1998.. 1 207 773 1997.. 1 156 694	1 X
3311121	Ferrometallurgical ferroalloy products, including ferrochromium, ferrochromium silicon, exothermic chromium additives, and other chromium alloys	1998.. D 1997.. D	X X
3311123	Ferrosilicon, including briquets, and other silicon alloys	1998.. 373 412 1997.. 363 129	1 X
3311125	Other ferroalloys	1998.. D 1997.. D	X X
331112W	Electrometallurgical ferroalloy products, nsk, total	1998.. 1 597 1997.. -	1 X
331210	Iron and steel pipes and tubes	1998.. 7 704 663 1997.. 7 429 006	1 X
3312100	Iron and steel pipes and tubes@ \$	1998.. 7 704 663 1997.. 7 429 006	10 X
331221	Cold finishing of steel shapes	1998.. 5 714 329 1997.. 5 732 717	1 X
3312211	Cold rolled steel sheet and strip, made in steel mills not producing hot rolled sheet or strip@ \$	1998.. 4 039 010 1997.. 4 089 589	1 X
3312213	Cold finished steel bars and bar shapes, made in steel mills not producing hot rolled bars and bar shapes@ \$	1998.. 1 546 461 1997.. 1 534 463	2 X
331221W	Cold finishing of steel shapes, nsk, total	1998.. 128 858 1997.. 108 665	1 X
331222	Steel wire and related products	1998.. 4 987 773 1997.. 5 060 669	2 X
3312221	Noninsulated ferrous wire rope, cable, and strand, made in plants that draw wire@ \$	1998.. 959 395 1997.. 977 995	1 X
3312223	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire@ \$	1998.. 471 590 1997.. 446 963	6 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@ \$	1998.. 2 029 064 1997.. 2 044 338	3 X
3312227	Steel fencing and fence gates, made in plants that draw wire\$	1998.. 393 607 1997.. 432 938	5 X
3312229	Ferrous wire cloth and other ferrous woven wire products, made in plants that draw wire@ \$	1998.. 106 628 1997.. 102 207	1 X
331222B	Other fabricated ferrous wire products (except springs), made in plants that draw wire\$	1998.. 945 040 1997.. 980 677	3 X
331222W	Steel wire and related products, nsk, total	1998.. 82 448 1997.. 75 551	A X
331311	Alumina	1998.. 1 104 425 1997.. 1 019 017	1 X
3313110	Aluminum oxide, except natural alumina	1998.. 1 104 425 1997.. 1 019 017	X X
331312	Primary aluminum	1998.. 5 926 414 1997.. 6 116 371	1 X
3313121	Primary aluminum ingot, produced in primary aluminum reduction plants, including pigs, sows, and molten metal, excluding billet\$	1998.. 4 848 830 1997.. 4 881 718	1 X
3313123	Primary aluminum extrusion ingot (billet), produced in primary aluminum reduction plants\$	1998.. 1 077 555 1997.. 1 234 653	1 X
331312W	Primary aluminum, nsk, total	1998.. 29 1997.. -	1 X
331314	Secondary smelting and alloying of aluminum	1998.. 3 334 898 1997.. 3 411 206	2 X
3313141	Aluminum ingot, including pigs, sows, and molten metal, excluding billet, produced by secondary smelters\$	1998.. 2 481 604 1997.. 2 680 354	3 X
3313143	Aluminum extrusion ingot (billet), produced by secondary smelters\$	1998.. 453 949 1997.. 463 297	4 X
3313145	Aluminum and aluminum-base alloys powders, paste, and flakes@	1998.. 252 163 1997.. 194 538	1 X
331314W	Secondary smelting and alloying of aluminum, nsk, total	1998.. 147 182 1997.. 73 017	17 X
331315	Aluminum sheet, plate, and foil	1998.. 10 814 831 1997.. 12 483 031	1 X
3313151	Aluminum plate (thickness of 0.25 in. or more), including continuous cast	1998.. 932 274 1997.. 923 131	1 X
3313153	Aluminum sheet and strip, including continuous cast	1998.. 8 963 136 1997.. 10 514 924	1 X
3313155	Plain aluminum foil (less than .006 in. thick)	1998.. 861 778 1997.. 1 044 976	1 X
331315W	Aluminum sheet, plate, and foil, nsk, total	1998.. 57 643 1997.. -	1 X
331316	Aluminum extruded products	1998.. 6 037 842 1997.. 5 976 360	1 X
3313161	Extruded aluminum rod, bar, and other extruded shapes	1998.. 5 138 257 1997.. 5 140 725	1 X
3313163	Extruded and drawn aluminum tube	1998.. 855 504 1997.. 835 635	2 X
331316W	Aluminum extruded products, nsk, total	1998.. 44 081 1997.. -	1 X
331319	Other aluminum rolling and drawing, nec	1998.. 1 975 280 1997.. 2 075 921	1 X
3313191	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, produced in aluminum rolling mills\$	1998.. 160 388 1997.. 175 955	2 X
3313193	Rolled aluminum rod, bar, including continuous cast	1998.. 410 294 1997.. 422 473	1 X
3313197	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, made in nonferrous plants that draw wire\$	1998.. 510 402 1997.. 510 569	1 X
3313199	Aluminum ingot, excluding billet, produced in aluminum rolling mills\$	1998.. D 1997.. D	X X
331319A	Aluminum wire cloth and woven wire products, made in nonferrous plants that draw wire\$	1998.. D 1997.. D	X X
331319C	Aluminum extrusion ingot (billet), produced in aluminum rolling mills\$	1998.. 553 065 1997.. 527 490	1 X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
331319	Other aluminum rolling and drawing, nec—Con.			
331319W	Other aluminum rolling and drawing, nec, nsk, total	1998..	33 753	1
		1997..	3 000	X
331411	Primary copper	1998..	4 800 915	1
		1997..	5 166 710	X
3314110	Refined primary copper and copper-base alloy and primary copper smelter products, produced for further refining\$	1998..	4 800 915	1
		1997..	5 166 710	X
331419	Primary nonferrous metals, nec	1998..	3 621 345	2
		1997..	3 560 507	X
3314191	Primary zinc residues and other zinc smelter products, produced for further refining	1998..	D	X
		1997..	D	X
3314193	Refined primary zinc\$	1998..	538 735	1
		1997..	526 730	X
3314197	Primary precious metals and precious metal alloys\$	1998..	748 799	1
		1997..	707 530	X
3314199	Other primary nonferrous metals, nec\$	1998..	D	X
		1997..	D	X
331419W	Primary nonferrous metals, nec, nsk, total	1998..	102 720	1
		1997..	69 320	X
331421	Rolled, drawn, or extruded copper products	1998..	7 106 884	1
		1997..	7 110 599	X
3314211	Copper wire, bare and tinned (nonelectrical)\$	1998..	286 633	5
		1997..	308 944	X
3314213	Copper and copper-base alloy rod, bar, and shapes	1998..	2 712 259	1
		1997..	2 675 502	X
3314217	Copper and copper-base alloy sheet, strip, and plate	1998..	1 768 587	1
		1997..	1 833 893	X
3314219	Copper and copper-base alloy pipe and tube	1998..	2 206 632	1
		1997..	2 270 688	X
331421W	Rolled, drawn, or extruded copper products, nsk, total	1998..	132 773	66
		1997..	21 572	X
331422	Copper wire (except mechanical) drawing	1998..	969 599	9
		1997..	914 402	X
3314221	Copper and copper-base alloy wire, strand, and cable for electrical transmission\$	1998..	950 022	9
		1997..	914 402	X
3314223	Copper wire cloth and woven wire products, made in nonferrous plants that draw wire\$	1998..	—	X
		1997..	—	X
331422W	Copper wire (except mechanical) drawing, nsk, total	1998..	19 577	1
		1997..	—	X
331423	Secondary copper	1998..	1 057 766	1
		1997..	1 094 557	X
3314230	Secondary smelting, refining, and alloying of copper\$	1998..	1 057 766	1
		1997..	1 094 557	X
331491	Other rolled, drawn, extruded, or alloyed nonferrous products	1998..	6 846 077	1
		1997..	6 919 189	X
3314911	Nickel and nickel-base alloy mill shapes, including nickel-copper alloys\$	1998..	1 070 103	1
		1997..	1 071 644	X
3314913	Titanium and titanium-base alloy mill shapes, excluding wire	1998..	1 628 200	1
		1997..	1 605 118	X
3314915	Bare nonferrous metal wire (except aluminum and copper), made in nonferrous plants that draw wire\$	1998..	298 755	9
		1997..	283 252	X
3314917	Nonferrous wire cloth and woven wire products, made in nonferrous plants that draw wire\$	1998..	D	X
		1997..	D	X
3314919	Precious metal mill shapes\$	1998..	630 348	2
		1997..	612 754	X
331491C	All other nonferrous metal mill shapes\$	1998..	D	X
		1997..	D	X
331491E	Apparatus wire and cord and flexible cord sets (except wiring harnesses), made in plants that draw wire@ \$	1998..	891 907	3
		1997..	914 142	X
331491G	Magnet wire, made in plants that draw wire@	1998..	1 254 013	1
		1997..	1 252 229	X
331491W	Other rolled, drawn, extruded, or alloyed nonferrous products, nsk, total	1998..	232 551	1
		1997..	241 654	X
331492	Other secondary nonferrous metals	1998..	3 203 439	3
		1997..	3 088 463	X
3314921	Other nonferrous metal powders, paste, and flakes	1998..	1 053 445	6
		1997..	954 664	X
3314923	Secondary lead\$	1998..	715 125	1
		1997..	717 903	X
3314927	Secondary zinc\$	1998..	337 073	7
		1997..	303 964	X
3314929	Secondary precious metals and precious metal alloys\$	1998..	453 426	9
		1997..	466 533	X
331492A	Other nonferrous additive alloys\$	1998..	412 373	1
		1997..	417 566	X
331492W	Other secondary nonferrous metals, nsk, total	1998..	231 997	3
		1997..	227 833	X
331511	Iron foundries	1998..	11 749 769	1
		1997..	11 961 705	X
3315111	Ductile iron pressure pipe and fittings	1998..	1 585 723	1
		1997..	1 542 242	X
3315113	Other ductile iron castings	1998..	3 342 834	4
		1997..	3 523 304	X
3315115	Cast iron pressure pipe and fittings	1998..	62 255	3
		1997..	63 802	X
3315117	Cast iron soil pipe and fittings, all sizes	1998..	298 689	2
		1997..	254 152	X
3315119	Other gray iron castings	1998..	5 984 758	1
		1997..	6 065 923	X
331511A	Standard malleable iron castings	1998..	183 163	3
		1997..	205 659	X
331511C	Pearlitic malleable iron castings	1998..	141 827	1
		1997..	156 887	X
331511E	Molds and stools for heavy steel ingots	1998..	52 878	2
		1997..	54 305	X
331511W	Iron foundries, nsk, total	1998..	97 643	A
		1997..	95 431	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
331512	Steel investment foundries	1998..	2 338 722	1
		1997..	2 231 809	X
3315120	Steel investment castings	1998..	2 338 722	A
		1997..	2 231 809	X
331513	Steel foundries, nec.	1998..	2 778 022	1
		1997..	2 705 488	X
3315131	Other carbon steel castings, except investment	1998..	1 186 074	1
		1997..	1 155 369	X
3315133	High alloy steel castings, except investment	1998..	751 662	1
		1997..	739 715	X
3315135	Other alloy steel castings, except investment	1998..	751 369	2
		1997..	744 815	X
331513W	Steel foundries, nec, nsk, total	1998..	88 917	20
		1997..	65 589	X
331521	Aluminum die-castings	1998..	3 906 782	1
		1997..	3 745 355	X
3315210	Aluminum and aluminum-base alloy die-castings	1998..	3 906 782	1
		1997..	3 745 355	X
331522	Nonferrous die-castings, except aluminum	1998..	1 973 484	2
		1997..	1 809 407	X
3315220	Nonferrous (except aluminum) die-castings	1998..	1 973 484	2
		1997..	1 809 407	X
331524	Aluminum foundries	1998..	3 693 619	1
		1997..	3 605 101	X
3315240	Aluminum and aluminum-base alloy castings, excluding die-castings	1998..	3 693 619	A
		1997..	3 605 101	X
331525	Copper foundries	1998..	890 167	3
		1997..	874 231	X
3315250	Copper and copper-base alloy castings, excluding die-castings	1998..	890 167	75
		1997..	874 231	X
331528	Nonferrous foundries, nec	1998..	1 034 910	2
		1997..	1 002 511	X
3315280	Other nonferrous foundries	1998..	1 034 910	3
		1997..	1 002 511	X
332111	Iron and steel forgings	1998..	5 102 857	2
		1997..	4 655 870	X
3321111	Hot impression die impact, press, and upset steel forgings	1998..	3 511 962	3
		1997..	3 172 999	X
3321113	Cold impression die impact, press, and upset steel forgings	1998..	405 567	6
		1997..	354 695	X
3321115	Seamless rolled ring forgings, ferrous, not made in steel mills\$	1998..	374 042	3
		1997..	382 639	X
3321117	Open die or smith forgings (hammer or press), ferrous, not made in steel mills\$	1998..	526 429	1
		1997..	505 124	X
332111W	Iron and steel forgings, nsk, total	1998..	284 856	39
		1997..	240 413	X
332112	Nonferrous forgings	1998..	2 067 211	1
		1997..	2 030 477	X
3321121	Hot impression die impact, press, and upset nonferrous forgings@	1998..	1 589 309	1
		1997..	1 540 813	X
3321122	Other nonferrous forgings	1998..	435 696	1
		1997..	452 300	X
332112W	Nonferrous forgings, nsk, total	1998..	42 205	1
		1997..	37 364	X
332114	Custom roll form products	1998..	3 278 378	5
		1997..	3 240 575	X
3321140	Custom roll form products	1998..	3 278 378	55
		1997..	3 240 575	X
332115	Crowns and closures	1998..	904 803	1
		1997..	950 844	X
3321150	Metal commercial closures and metal home-canning closures, except crowns	1998..	904 803	1
		1997..	950 844	X
332116	Metal stampings, nec	1998..	12 556 763	2
		1997..	11 651 419	X
3321161	Metal job stampings, except automotive	1998..	8 478 400	3
		1997..	7 970 256	X
3321163	Metal spinning products, excluding cooking and kitchen utensils	1998..	180 454	17
		1997..	163 997	X
3321165	Other stamped and pressed metal end products, including vitreous enameled products	1998..	3 145 402	4
		1997..	2 907 024	X
332116W	Metal stampings, nec, nsk, total	1998..	752 507	56
		1997..	610 142	X
332117	Powder metallurgy parts	1998..	1 325 096	2
		1997..	1 315 533	X
3321170	Powder metallurgy parts, excluding bearings, gears, and machine cutting tools and all cemented carbide parts	1998..	1 325 096	2
		1997..	1 315 533	X
332211	Cutlery and flatware (except precious)	1998..	2 106 222	2
		1997..	2 222 039	X
3322111	Cutlery, scissors, shears, trimmers, and snips	1998..	828 298	4
		1997..	897 498	X
3322113	Razor blades and razors, except electric	1998..	1 195 861	1
		1997..	1 252 469	X
332211W	Cutlery, nsk, total	1998..	82 062	2
		1997..	72 072	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332212	Hand and edge tools	1998..	5 879 465	1
		1997..	5 846 123	X
3322121	Mechanics' hand service tools	1998..	2 220 294	1
		1997..	2 154 391	X
3322123	Edge tools, hand-operated	1998..	424 829	2
		1997..	399 570	X
3322125	Dies and interchangeable cutting tools, for machines and power-driven handtools	1998..	808 130	5
		1997..	837 252	X
3322127	Other handtools, nec	1998..	1 410 677	3
		1997..	1 340 484	X
3322129	Precision measuring tools (inspection, quality control, tool room, and machinists')	1998..	676 175	7
		1997..	784 082	X
332212W	Hand and edge tool manufacturing, nsk, total	1998..	339 359	84
		1997..	330 344	X
332213	Saw blades and handsaws	1998..	1 266 046	3
		1997..	1 288 578	X
3322130	Handsaws, saw blades (hand and power), and saw accessories.....	1998..	1 266 046	3
		1997..	1 288 578	X
332214	Kitchen utensils, pots, and pans	1998..	1 234 962	4
		1997..	1 352 014	X
3322141	Stamped and spun utensils, cooking and kitchen, aluminum	1998..	666 599	7
		1997..	784 955	X
3322143	Stamped and spun utensils, cooking and kitchen, except aluminum	1998..	560 537	3
		1997..	562 185	X
332214W	Metal stampings, nec, nsk, total	1998..	7 825	A
		1997..	4 874	X
332311	Prefabricated metal buildings and components	1998..	4 365 580	5
		1997..	4 095 561	X
3323111	Prefabricated metal building and component systems, excluding farm service buildings, residential buildings, and parts.....	1998..	3 143 125	6
		1997..	2 782 784	X
3323113	Other prefabricated and portable metal buildings and parts	1998..	969 503	12
		1997..	1 059 452	X
332311W	Prefabricated metal buildings and components, nsk, total	1998..	252 952	A
		1997..	253 325	X
332312	Fabricated structural metal	1998..	14 971 394	1
		1997..	14 078 888	X
3323121	Fabricated structural metal bar joist and concrete reinforcing bars	1998..	8 727 862	2
		1997..	8 734 954	X
3323123	Fabricated structural metal for bridges	1998..	710 055	4
		1997..	548 455	X
3323125	Other fabricated structural metal	1998..	3 815 667	2
		1997..	3 271 587	X
332312W	Fabricated structural metal, nsk, total	1998..	1 717 809	11
		1997..	1 523 892	X
332313	Fabricated steel plate work	1998..	3 050 880	3
		1997..	2 960 343	X
3323130	Fabricated steel plate (stacks and weldments)	1998..	3 050 880	27
		1997..	2 960 343	X
332321	Metal windows and doors	1998..	9 801 597	1
		1997..	9 088 532	X
3323211	Metal doors (except storm doors)	1998..	5 035 739	2
		1997..	4 725 234	X
3323213	Metal windows (except storm sash).....	1998..	2 186 808	2
		1997..	1 950 098	X
3323215	Metal molding and trim and store fronts	1998..	1 031 018	8
		1997..	898 415	X
3323217	Metal combination screen, storm sash, and storm doors.....	1998..	450 492	2
		1997..	486 123	X
3323219	Metal window and door screens (except combination) and metal weather strip	1998..	254 775	2
		1997..	295 850	X
332321W	Metal windows and doors, nsk, total	1998..	842 765	16
		1997..	732 812	X
332322	Sheet metal work	1998..	15 967 623	2
		1997..	15 414 178	X
3323221	Sheet metal air-conditioning ducts and stove pipe	1998..	1 376 614	6
		1997..	1 392 309	X
3323223	Sheet metal culverts, flumes, irrigation pipes, etc.	1998..	407 326	3
		1997..	424 827	X
3323227	Sheet metal roofing and roof drainage equipment	1998..	1 609 326	5
		1997..	1 509 264	X
3323229	Sheet metal flooring and siding	1998..	1 017 242	6
		1997..	1 034 333	X
332322A	Sheet metal awnings, canopies, cornices, and soffits	1998..	607 244	10
		1997..	708 513	X
332322C	Sheet metal electronic enclosures	1998..	3 534 408	3
		1997..	3 333 998	X
332322E	Other sheet metal work	1998..	4 940 199	3
		1997..	4 859 321	X
332322W	Sheet metal work, nsk, total	1998..	2 475 263	20
		1997..	2 151 613	X
332323	Ornamental and architectural metal work	1998..	4 546 145	2
		1997..	4 267 876	X
3323231	Metal grilles, registers, and air diffusers	1998..	496 323	4
		1997..	480 428	X
3323233	Ornamental and architectural metal work	1998..	1 317 632	4
		1997..	1 232 125	X
3323235	Open metal flooring, grating, and studs	1998..	593 303	4
		1997..	517 197	X
3323237	Metal scaffolding and shoring and forming for concrete work	1998..	427 487	2
		1997..	400 769	X
3323239	Other architectural and ornamental work	1998..	1 203 954	5
		1997..	1 229 747	X
332323W	Ornamental and architectural metal work, nsk, total	1998..	507 447	36
		1997..	407 610	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332410	Power boilers and heat exchangers	1998 . .	3 569 119	3
		1997 . .	3 628 405	X
3324101	Fabricated heat exchangers and steam condensers (except for nuclear applications)	1998 . .	2 092 123	3
		1997 . .	2 089 670	X
3324105	Steel power boilers (stationary and marine), parts and attachments (except nuclear applications)	1998 . .	810 756	5
		1997 . .	888 475	X
332410W	Power boilers and heat exchangers, nsk, total	1998 . .	666 241	24
		1997 . .	650 260	X
332420	Metal tanks (heavy gauge)	1998 . .	4 472 035	2
		1997 . .	4 495 732	X
3324207	Gas cylinders	1998 . .	484 211	9
		1997 . .	508 097	X
3324209	Metal tanks, complete at factory (standard line pressure)	1998 . .	832 483	4
		1997 . .	862 026	X
332420A	Nuclear reactor steam supply systems, heat exchangers and condensers, pressurizers, components, and auxiliary equipment	1998 . .	204 413	7
		1997 . .	213 967	X
332420C	Metal tanks, complete at factory (standard line nonpressure)	1998 . .	484 798	13
		1997 . .	442 893	X
332420E	Metal tanks and vessels, custom fabricated at the factory	1998 . .	1 402 578	4
		1997 . .	1 406 635	X
332420G	Metal tanks and vessels, custom fabricated and field erected	1998 . .	908 259	3
		1997 . .	928 400	X
332420W	Metal tanks (heavy gauge), nsk, total	1998 . .	155 294	35
		1997 . .	133 714	X
332431	Metal cans	1998 . .	10 773 810	1
		1997 . .	11 427 580	X
3324311	Steel cans and tinware products	1998 . .	4 500 154	1
		1997 . .	4 765 425	X
3324313	Aluminum cans, including lids, ends, and parts shipped separately	1998 . .	6 185 316	1
		1997 . .	6 560 667	X
332431W	Metal cans, nsk, total	1998 . .	88 340	A
		1997 . .	101 488	X
332439	Other metal containers	1998 . .	2 290 711	3
		1997 . .	2 267 755	X
3324391	Steel pails, 1 to 12 gallon capacity@	1998 . .	520 282	11
		1997 . .	530 188	X
3324393	Steel shipping barrels and drums, excluding beer barrels (more than 12 gallon capacity)	1998 . .	795 105	2
		1997 . .	790 947	X
3324395	Other metal container manufacturing	1998 . .	D	X
		1997 . .	D	X
3324397	Air cargo containers, metal	1998 . .	D	X
		1997 . .	D	X
332439W	Other metal container manufacturing, nsk, total	1998 . .	497 761	8
		1997 . .	466 345	X
332510	Hardware, nec	1998 . .	10 776 629	1
		1997 . .	10 667 731	X
3325101	Furniture hardware (excluding cabinet hardware)	1998 . .	769 893	3
		1997 . .	761 545	X
3325103	Builders' hardware, including fabricated metal safes and vaults	1998 . .	5 231 642	1
		1997 . .	5 038 910	X
3325105	Motor vehicle hardware (lock units, door and window handles, window regulators, hinges, license plate brackets, etc.)	1998 . .	2 759 254	1
		1997 . .	3 092 355	X
3325107	Other transportation equipment hardware (except motor vehicle hardware)	1998 . .	532 718	1
		1997 . .	507 286	X
3325109	Other hardware, nec	1998 . .	1 071 708	8
		1997 . .	942 023	X
332510W	Hardware manufacturing, nsk, total	1998 . .	411 413	10
		1997 . .	325 612	X
332611	Steel springs, except wire	1998 . .	846 295	4
		1997 . .	873 310	X
3326111	Hot formed steel springs (except wire)	1998 . .	452 450	8
		1997 . .	512 832	X
3326113	Cold formed steel springs, except wire	1998 . .	376 026	2
		1997 . .	351 232	X
332611W	Steel springs, except wire, nsk, total	1998 . .	17 819	A
		1997 . .	9 246	X
332612	Wire springs	1998 . .	2 236 002	1
		1997 . .	2 162 431	X
3326122	Precision mechanical wire springs	1998 . .	916 376	2
		1997 . .	900 022	X
3326124	Other wire springs	1998 . .	1 213 016	1
		1997 . .	1 238 235	X
332612W	Wire springs, nsk, total	1998 . .	106 610	5
		1997 . .	24 174	X
332618	Other fabricated wire products	1998 . .	5 665 430	2
		1997 . .	5 276 726	X
3326181	Noninsulated ferrous wire rope, cable, and strand, not made in plants that draw wire\$	1998 . .	477 939	3
		1997 . .	455 137	X
3326182	Other metal products, not made in plants that draw wire	1998 . .	389 311	2
		1997 . .	408 638	X
3326183	Ferrous wire cloth and other ferrous woven wire products, not made in plants that draw wire\$	1998 . .	328 806	5
		1997 . .	288 926	X
3326185	Nonferrous wire cloth and other nonferrous woven wire products, not made in plants that draw wire\$	1998 . .	186 465	14
		1997 . .	155 658	X
3326187	Fabricated fencing and fence gates, not made in plants that draw wire\$	1998 . .	177 725	6
		1997 . .	191 098	X
3326189	Steel nails, staples, tacks, spikes, and brads, not made in plants that draw wire\$	1998 . .	276 329	6
		1997 . .	350 827	X
332618B	Other fabricated ferrous wire products (except springs), not made in plants that draw wire\$	1998 . .	3 362 153	4
		1997 . .	3 034 720	X
332618W	Other fabricated wire products, nsk, total	1998 . .	466 701	33
		1997 . .	391 722	X
332710	Machine shop work	1998 . .	24 912 745	3
		1997 . .	24 580 079	X
3327100	Receipts for machine shop job work and job order repairs	1998 . .	24 912 745	21
		1997 . .	24 580 079	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332721	Precision turned products	1998..	8 406 770	4
		1997..	8 021 297	X
3327211	Precision-turned products, automotive	1998..	1 818 534	9
		1997..	1 858 931	X
3327215	Precision-turned products, except automotive	1998..	4 177 139	5
		1997..	4 113 651	X
332721W	Precision-turned products, nsk, total	1998..	2 411 097	35
		1997..	2 048 715	X
332722	Bolts, nuts, screws, rivets and washers	1998..	8 049 486	1
		1997..	7 529 267	X
3327221	Aircraft (including aerospace) fasteners other than plastics (meet specifications for flying vehicles)	1998..	1 429 850	1
		1997..	1 208 695	X
3327223	Externally threaded metal fasteners, except aircraft types	1998..	3 075 296	2
		1997..	2 959 906	X
3327225	Internally threaded metal fasteners, except aircraft types	1998..	918 185	4
		1997..	858 173	X
3327227	Nonthreaded metal fasteners, except aircraft types	1998..	1 001 434	3
		1997..	932 355	X
3327229	Products, other than fasteners, made by cold-heading (or warm- or hot-heading) processes	1998..	867 127	3
		1997..	858 765	X
332722W	Bolts, nuts, rivets, and washers, nsk, total	1998..	757 593	17
		1997..	711 373	X
332811	Metal heat treating	1998..	3 579 300	3
		1997..	3 416 047	X
3328110	Heat treating of metal for the trade (heat treating, pickling, annealing, brazing, shot peening, tempering, etc.)	1998..	3 579 300	17
		1997..	3 416 047	X
332812	Metal coating and allied services	1998..	9 248 776	2
		1997..	8 229 647	X
3328120	Metal etching, engraving, coating, and allied services	1998..	9 248 776	22
		1997..	8 229 647	X
332813	Electroplating, plating, polishing, anodizing, and coloring	1998..	6 042 051	1
		1997..	6 144 404	X
3328130	Electroplating, plating, polishing, anodizing, and coloring	1998..	6 042 051	3
		1997..	6 144 404	X
332911	Industrial valves	1998..	8 024 271	2
		1997..	8 054 032	X
3329111	Gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves	1998..	1 492 839	3
		1997..	1 371 808	X
3329113	Industrial valves for water works and municipal equipment (IBBM, AWWA, and UL)	1998..	785 652	4
		1997..	743 109	X
3329115	Industrial ball valves (all metals, pressures, and types), including manual and power-operated, on-off valves	1998..	1 142 221	6
		1997..	1 163 317	X
3329117	Industrial butterfly valves (all metals, pressures, and types), including manual and power-operated, on-off valves	1998..	505 842	2
		1997..	495 209	X
3329119	Industrial plug valves (all metals, pressures, and types), such as lubricated, cylindrical eccentric, and sleeve-lined	1998..	379 224	1
		1997..	359 633	X
332911B	Industrial valves, nec	1998..	940 045	5
		1997..	1 047 795	X
332911D	Nuclear valves (N-stamp only)	1998..	38 696	1
		1997..	38 494	X
332911F	Automatic regulating and control valves and parts (except nuclear), power-operated, designed for modulating (throttling) service@	1998..	1 895 766	8
		1997..	2 065 210	X
332911H	Solenoid-operated valves and parts, except nuclear and fluid power transfer@	1998..	481 818	1
		1997..	480 534	X
332911W	Industrial valves, nsk, total	1998..	362 169	A
		1997..	288 923	X
332912	Fluid power valves and hose fittings	1998..	6 416 155	1
		1997..	6 287 344	X
3329121	Aerospace type hydraulic fluid power valves@	1998..	637 290	1
		1997..	669 264	X
3329123	Aerospace type pneumatic fluid power valves@	1998..	500 251	1
		1997..	499 415	X
3329125	Nonaerospace type hydraulic directional control valves@	1998..	568 824	6
		1997..	536 935	X
3329127	Nonaerospace type hydraulic valves, except directional control@	1998..	756 393	4
		1997..	719 670	X
3329129	Nonaerospace type pneumatic directional control valves@	1998..	556 461	5
		1997..	619 943	X
332912B	Nonaerospace type pneumatic valves, except directional control@	1998..	173 805	7
		1997..	192 604	X
332912D	Parts for fluid power valves@	1998..	216 438	2
		1997..	212 581	X
332912F	Aerospace type hydraulic and pneumatic fluid power hose or tube end fittings and assemblies@	1998..	615 657	2
		1997..	562 664	X
332912H	Nonaerospace type flared (metal) fittings, couplings for, and assemblies of tubing used in fluid power transfer systems@	1998..	430 334	2
		1997..	369 307	X
332912J	Nonaerospace type flareless fittings and couplings, including nonmetal fittings, used in fluid power transfer systems@	1998..	497 033	1
		1997..	512 409	X
332912L	Nonaerospace type hydraulic and pneumatic fittings and couplings for hose@	1998..	868 074	2
		1997..	849 786	X
332912N	Nonaerospace type hydraulic and pneumatic assemblies of hose@	1998..	301 179	1
		1997..	293 568	X
332912W	Fluid power valves and hose fittings, nsk, total	1998..	294 416	58
		1997..	249 198	X
332913	Plumbing fixture fittings and trim	1998..	3 770 056	7
		1997..	3 652 458	X
3329131	Single lever plumbing fixture controls, two or three handle bath or shower fittings, and antiscald bath or shower valves (brass goods)	1998..	1 226 600	2
		1997..	1 095 901	X
3329133	Lavatory and sink fittings (except single control), including drains and overflows (brass goods)	1998..	866 190	1
		1997..	907 538	X
3329137	Miscellaneous plumbing fixtures, fittings, and trim (brass goods)	1998..	1 635 479	16
		1997..	1 646 357	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332913	Plumbing fixture fittings and trim—Con.			
332913W	Plumbing fixture fittings and trim, nsk, total	1998..	41 787	1
		1997..	2 662	X
332919	Other metal valves and pipe fittings	1998..	2 809 612	3
		1997..	2 614 840	X
3329191	Plumbing and heating valves and specialties, except plumbers' brass goods	1998..	577 634	1
		1997..	529 425	X
3329193	Metal fittings, flanges, and unions for piping systems	1998..	1 941 468	4
		1997..	1 821 322	X
332919W	Other metal valves and pipe fittings, nsk, total	1998..	290 510	70
		1997..	264 093	X
332991	Ball and roller bearings	1998..	5 986 315	1
		1997..	5 890 696	X
3329911	Ball bearings, complete, unmounted@	1998..	2 119 814	1
		1997..	2 119 508	X
3329913	Tapered roller bearings (including cups and cones), unmounted@	1998..	1 600 189	1
		1997..	1 470 822	X
3329915	Roller bearings, except tapered, unmounted@	1998..	1 204 560	1
		1997..	1 171 970	X
3329917	Mounted bearings, except plain@	1998..	368 887	1
		1997..	418 354	X
3329919	Parts and components for ball and roller bearings, except cups and cones (including ball and rollers sold separately)@	1998..	636 795	1
		1997..	648 035	X
332991W	Ball and roller bearings, nsk, total	1998..	56 070	1
		1997..	62 007	X
332992	Small arms ammunition	1998..	930 838	1
		1997..	870 763	X
3329920	Small arms ammunition, 30 mm or less (or 1.18 in. or less) for small firearms (rifles, shotguns, and sidearms)	1998..	930 838	1
		1997..	870 763	X
332993	Ammunition (except small arms), nec	1998..	1 317 358	1
		1997..	1 320 651	X
3329931	Artillery ammunition (more than 30 mm, more than 1.18 in.)	1998..	646 837	1
		1997..	667 042	X
3329933	Ammunition (except for small arms), nec	1998..	662 505	1
		1997..	651 375	X
332993W	Ammunition (except small arms), nec, nsk, total	1998..	8 016	1
		1997..	2 234	X
332994	Small arms	1998..	1 172 394	1
		1997..	1 175 530	X
3329941	Machine guns (30 mm or less, 1.18 in. or less)	1998..	107 367	1
		1997..	109 852	X
3329943	Small arms (30 mm or less, 1.18 in. or less)	1998..	987 980	1
		1997..	1 008 730	X
332994W	Small arms, nsk, total	1998..	77 047	94
		1997..	56 948	X
332995	Ordnance and accessories, nec	1998..	1 236 974	1
		1997..	1 152 266	X
3329951	Guns, howitzers, mortars, and related equipment (more than 30 mm, more than 1.18 in.)	1998..	792 940	1
		1997..	705 785	X
3329952	Other ordnance and accessories, nec (rocket projectors, line throwing guns, flame throwers, torpedo tubes, etc., and parts)	1998..	422 257	1
		1997..	421 646	X
332995W	Ordnance and accessories, nec, nsk, total	1998..	21 777	A
		1997..	24 835	X
332996	Fabricated pipes and pipe fittings	1998..	4 338 665	2
		1997..	4 189 115	X
3329961	Aluminum welded tube	1998..	D	X
		1997..	D	X
3329963	Fabricated pipe and pipe fittings made from purchased pipe	1998..	D	X
		1997..	D	X
332996W	Fabricated pipes and pipe fittings, nsk, total	1998..	408 404	24
		1997..	318 999	X
332997	Industrial patterns	1998..	796 671	4
		1997..	817 168	X
3329970	Industrial patterns, except shoe patterns	1998..	796 671	10
		1997..	817 168	X
332998	Enameled iron and metal sanitary ware	1998..	1 445 742	5
		1997..	1 255 431	X
3329980	Metal plumbing fixtures	1998..	1 445 742	5
		1997..	1 255 431	X
332999	Fabricated metal products, nec	1998..	10 940 036	3
		1997..	10 205 536	X
3329991	Converted unmounted aluminum foil packaging products	1998..	1 161 963	1
		1997..	823 194	X
3329993	Converted foil for nonpackaging applications and foil and leaf	1998..	833 641	5
		1997..	784 167	X
3329994	Miscellaneous machinery products, except electrical, including flexible metal hose and tubing, metal bellows, etc.	1998..	750 722	10
		1997..	565 052	X
3329997	Fabricated metal collapsible tubes	1998..	66 220	11
		1997..	52 427	X
3329999	Flat metal strapping	1998..	547 021	17
		1997..	353 326	X
332999A	Metal ladders	1998..	437 407	1
		1997..	411 441	X
332999G	Metal fittings, flanges, and unions for piping systems	1998..	5 537 917	4
		1997..	5 934 272	X
332999W	Fabricated metal products, nec, nsk, total	1998..	1 605 145	25
		1997..	1 281 657	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333111	Farm machinery and equipment	1998..	15 451 237	1
		1997..	14 974 705	X
3331111	Farm-type (power take-off hp) wheel tractors (2- and 4-wheel drive) (sold with or without attachments)@	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@	1998..	710 767	1
		1997..	745 305	X
3331117	Planting, seeding, and fertilizing machinery and attachments, excluding turf machinery@	1998..	946 982	1
		1997..	1 080 018	X
3331119	Harvesting machinery (except hay and straw) and attachments@	1998..	3 130 873	1
		1997..	2 970 346	X
333111A	Haying machinery and attachments@	1998..	731 145	1
		1997..	664 378	X
333111C	Parts for farm machinery, for sale separately@	1998..	1 601 974	1
		1997..	1 424 675	X
333111E	Farm plows (including plowshares, primary tillage), harrows, rollers, pulverizers, and cultivators and weeders, and attachments@	1998..	547 649	7
		1997..	608 954	X
333111G	All other farm machinery and equipment, excluding parts, but including attachments@	1998..	1 951 954	3
		1997..	1 836 550	X
333111J	Commercial turf and grounds care equipment, including parts and attachments@	1998..	1 541 847	1
		1997..	1 340 221	X
333111W	Farm machinery and equipment, nsk, total	1998..	482 554	95
		1997..	447 351	X
333112	Lawn and garden equipment	1998..	6 897 842	1
		1997..	6 362 015	X
3331121	Consumer nonriding lawn, garden, and snow equipment@	1998..	3 018 807	2
		1997..	2 930 977	X
3331123	Consumer riding lawn, garden, and snow equipment@	1998..	2 738 733	1
		1997..	2 516 613	X
3331127	Parts and attachments for consumer lawn, garden, and snow equipment@	1998..	1 040 066	2
		1997..	838 880	X
333112W	Lawn and garden equipment, nsk, total	1998..	100 236	A
		1997..	75 545	X
333120	Construction machinery	1998..	20 490 870	1
		1997..	19 187 877	X
3331201	Power cranes, dozers, construction tractors, off-highway trucks and trailers, mixers, pavers, backhoes, and related equipment@	1998..	14 886 345	1
		1997..	13 545 278	X
3331208	Other construction machinery and equipment (excluding parts)@	1998..	2 349 799	3
		1997..	2 122 257	X
3331209	Parts for construction machinery and equipment, sold separately	1998..	2 801 251	2
		1997..	2 956 500	X
333120W	Construction machinery, nsk, total	1998..	453 475	59
		1997..	563 842	X
333131	Mining machinery	1998..	2 986 322	2
		1997..	2 980 760	X
3331311	Underground mining machinery (except parts sold separately)@	1998..	650 624	1
		1997..	680 836	X
3331313	Mineral processing and beneficiation machinery (except parts sold separately)	1998..	507 297	2
		1997..	633 663	X
3331315	Crushing, pulverizing, and screening machinery (excluding portable combination plants), except parts sold separately@	1998..	521 296	12
		1997..	482 132	X
3331317	Drills and other mining machinery, nec (except parts sold separately)@	1998..	339 936	4
		1997..	263 008	X
3331319	Parts and attachments for mining machinery and equipment (sold separately)	1998..	774 758	4
		1997..	775 472	X
333131W	Mining machinery, nsk, total	1998..	192 411	21
		1997..	145 649	X
333132	Oil and gas field machinery	1998..	5 557 220	2
		1997..	5 441 370	X
3331321	Rotary oil and gas field drilling machinery and equipment	1998..	1 889 098	3
		1997..	1 825 730	X
3331323	Other oil and gas field drilling machinery and equipment	1998..	747 465	1
		1997..	731 299	X
3331325	Oil and gas field production machinery and equipment (except pumps)	1998..	1 771 944	2
		1997..	1 741 132	X
3331327	Portable oil and gas field drilling rigs and parts@	1998..	599 139	2
		1997..	543 919	X
3331329	Oil and gas field derricks and well surveying machinery	1998..	178 330	27
		1997..	226 048	X
333132W	Oil and gas field machinery, nsk, total	1998..	371 244	44
		1997..	373 242	X
333210	Sawmill and woodworking machinery	1998..	1 104 643	6
		1997..	1 124 401	X
3332103	Woodworking machinery, including parts, attachments, and accessories	1998..	840 502	7
		1997..	852 519	X
3332105	Woodworking machinery for home workshops, garages, and service shops	1998..	154 785	4
		1997..	173 826	X
333210W	Sawmill and woodworking machinery, nsk, total	1998..	109 356	A
		1997..	98 056	X
333220	Rubber and plastics industry machinery	1998..	2 877 385	6
		1997..	3 119 241	X
3332201	Plastics working machinery and equipment, excluding patterns and molds	1998..	2 425 876	7
		1997..	2 692 426	X
3332203	Rubber working machinery and equipment, excluding tire molds	1998..	276 677	18
		1997..	290 979	X
333220W	Rubber and plastics industry machinery manufacturing, nec, nsk, total	1998..	174 832	38
		1997..	135 836	X
333291	Paper industries machinery	1998..	2 886 043	3
		1997..	3 014 369	X
3332911	Paper industries machinery	1998..	1 852 366	3
		1997..	1 976 363	X
3332913	Parts and attachments for paper industries machinery (sold separately)	1998..	808 688	5
		1997..	821 650	X
333291W	Paper industries machinery, nsk, total	1998..	224 990	18
		1997..	216 356	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333292	Textile machinery	1998.. 1 507 319 1997.. 1 485 313	6 X
3332921	Textile machinery (except parts, attachments, and accessories)	1998.. 987 134 1997.. 882 396	6 X
3332923	Parts and attachments for textile machinery	1998.. 462 865 1997.. 499 625	12 X
333292W	Textile machinery, nsk, total	1998.. 57 320 1997.. 103 292	A X
333293	Printing machinery and equipment	1998.. 3 504 818 1997.. 3 201 500	4 X
3332931	Printing presses, offset lithographic	1998.. 657 122 1997.. 592 110	7 X
3332933	Printing presses, other than lithographic	1998.. 379 688 1997.. 383 117	4 X
3332935	Typesetting machinery, excluding justifying typewriters	1998.. D 1997.. D	X X
3332937	Printing trades binding machinery and equipment, including paper cutting and collating or gathering machines	1998.. 372 808 1997.. 354 522	5 X
3332939	Printing trades machinery, nec	1998.. D 1997.. D	X X
333293W	Printing trades machinery, nsk, total	1998.. 197 971 1997.. 164 070	A X
333294	Food products machinery	1998.. 2 612 730 1997.. 2 582 710	3 X
3332941	Dairy and milk products plant machinery and equipment, except bottling and packaging	1998.. 276 874 1997.. 285 898	2 X
3332943	Commercial food products machinery, except packaging machinery and food cooking and warming equipment	1998.. 1 020 820 1997.. 941 021	4 X
3332945	Industrial machinery and equipment for manufacturing or processing foods, beverages, and animal or fowl feed	1998.. 1 028 192 1997.. 1 085 242	7 X
333294W	Food products machinery, nsk, total	1998.. 286 844 1997.. 270 549	29 X
333295	Semiconductor manufacturing equipment	1998.. 9 241 729 1997.. 10 068 757	3 X
3332950	Semiconductor manufacturing equipment (except furnaces and ovens, instruments, and photographs)	1998.. 9 241 729 1997.. 10 068 757	53 X
333298	All other industrial machinery and equipment	1998.. 8 002 194 1997.. 8 048 799	3 X
3332981	Chemical manufacturing machinery, equipment, and parts	1998.. 1 251 772 1997.. 1 311 110	3 X
3332983	Foundry machinery and equipment, excluding patterns and molds	1998.. 343 858 1997.. 367 622	13 X
3332985	Printed circuit board manufacturing machinery, except testing	1998.. 1 106 165 1997.. 1 063 451	7 X
3332987	Special industry machinery and equipment, nec	1998.. 4 360 939 1997.. 4 390 128	5 X
333298W	All other industrial machinery manufacturing, nec, nsk, total	1998.. 939 459 1997.. 916 488	22 X
333311	Automatic vending machines	1998.. 1 339 117 1997.. 1 243 321	2 X
3333111	Automatic merchandising machines, coin-operated (vending), excluding money changing machines, coin-operated mechanisms, and parts	1998.. 1 034 160 1997.. 923 064	1 X
3333112	Coin-operated mechanisms and parts for automatic merchandising machines	1998.. 246 315 1997.. 272 967	9 X
333311W	Automatic merchandising machines, nsk, total	1998.. 58 642 1997.. 47 290	6 X
333312	Commercial laundry, drycleaning and pressing machines	1998.. 593 873 1997.. 573 817	1 X
3333120	Commercial laundry, drycleaning, and pressing machinery and equipment	1998.. 593 873 1997.. 573 817	1 X
333313	Office machines	1998.. 2 723 423 1997.. 2 777 065	2 X
3333131	Automatic typing and word processing machines, including parts and attachments	1998.. D 1997.. D	X X
3333134	Calculating and accounting machines, except point-of-sales terminals and funds transfer devices@	1998.. 91 104 1997.. 43 990	25 X
3333137	Duplicating machines, except parts and attachments	1998.. 102 764 1997.. 129 535	21 X
333313A	Mailing, letter handling, and addressing machines, except parts and attachments@	1998.. 1 373 920 1997.. 1 396 181	1 X
333313D	Standard typewriters, dictating, transcribing, recording machines, and all other office machines, nec, except parts and attachments@	1998.. 250 164 1997.. 258 586	4 X
333313G	Parts and attachments for calculating and accounting machines	1998.. D 1997.. D	X X
333313J	Parts and attachments for office machines, nec, standard typewriters, dictating, transcribing, and recording machines	1998.. 570 354 1997.. 541 872	4 X
333313W	Office machines, nec, nsk, total	1998.. 190 787 1997.. 215 100	45 X
333314	Optical instruments and lenses	1998.. 2 922 373 1997.. 2 999 434	5 X
3333141	Sighting, tracking, and fire-control equipment, optical-type@	1998.. 585 839 1997.. 616 342	4 X
3333143	Optical instruments and lenses, nec@	1998.. 2 097 296 1997.. 2 189 319	6 X
333314W	Optical instrument and lens manufacturing, nsk, total	1998.. 239 238 1997.. 193 773	65 X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

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NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333315	Photographic and photocopying equipment	1998..	6 718 305	1
		1997..	6 415 827	X
3333151	Still picture photographic equipment	1998..	985 098	1
		1997..	983 774	X
3333153	Photocopying equipment, including diffusion transfer, dye transfer, electrostatic, light and heat sensitive types, etc.	1998..	D	X
		1997..	D	X
3333155	Microfilming, blueprinting, and whiteprinting equipment	1998..	57 780	38
		1997..	135 092	X
3333157	Motion picture equipment	1998..	D	X
		1997..	D	X
333315W	Photographic and photocopying equipment manufacturing, nsk, total	1998..	692 116	11
		1997..	552 028	X
333319	Other commercial and service industry machinery	1998..	9 611 429	3
		1997..	8 817 854	X
3333191	Commercial cooking and food-warming equipment, including parts and accessories	1998..	1 917 015	1
		1997..	1 810 611	X
3333193	Commercial and industrial vacuum cleaners, including parts and attachments	1998..	629 757	5
		1997..	595 165	X
3333195	All other industrial machinery manufacturing, nec, nsk, total	1998..	636 019	5
		1997..	592 543	X
3333197	Electronic teaching machines, teaching aids, trainers, and simulators, including kits@	1998..	804 982	1
		1997..	777 598	X
3333199	Miscellaneous machinery products, except electrical (including flexible metal hose and tubing, service industry machines and parts, metal bellows, etc.)	1998..	5 117 169	5
		1997..	4 577 970	X
333319W	Other commercial and service industry machinery, nsk, total	1998..	506 488	A
		1997..	463 967	X
333411	Air purification equipment	1998..	1 909 812	5
		1997..	2 099 553	X
3334111	Dust collection and other air purification equipment for industrial gas cleaning systems (for cleaning outgoing air)@	1998..	502 084	10
		1997..	711 872	X
3334113	Dust collection and other air purification equipment and parts for cleaning incoming air	1998..	1 268 687	6
		1997..	1 293 331	X
333411W	Air purification equipment, nsk, total	1998..	139 040	A
		1997..	94 350	X
333412	Industrial and commercial fans and blowers	1998..	2 339 304	4
		1997..	2 029 354	X
3334120	Industrial and commercial fans and blowers, and attic fans	1998..	2 339 304	8
		1997..	2 029 354	X
333414	Heating equipment, except electric	1998..	3 588 803	6
		1997..	3 590 628	X
3334141	Cast iron heating boilers, radiators, and convectors, except parts	1998..	382 296	1
		1997..	391 786	X
3334143	Domestic heating stoves, except electric (excluding parts)	1998..	489 264	22
		1997..	562 656	X
3334145	Steel heating boilers (15 psi or less) and all hot water heating boilers (except electric), excluding parts	1998..	234 714	34
		1997..	219 582	X
3334147	Floor and wall furnaces, unit heaters, infrared heaters, and mechanical stokers (except electric)	1998..	446 093	1
		1997..	531 244	X
3334149	Other heating equipment, except electric (including parts for nonelectric heating equipment and oil burners)	1998..	1 659 503	1
		1997..	1 571 443	X
333414W	Heating equipment, except electric, nsk, total	1998..	376 933	88
		1997..	313 917	X
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment	1998..	23 684 782	1
		1997..	21 990 734	X
3334151	Heat transfer equipment (except electrically operated dehumidifiers and motor vehicle mechanical air-conditioning systems)@	1998..	4 764 196	1
		1997..	4 222 455	X
3334153	Commercial refrigerators and related equipment	1998..	3 083 334	1
		1997..	2 947 592	X
3334155	Refrigeration condensing units, all refrigerants, except ammonia (complete)@	1998..	317 544	1
		1997..	289 689	X
3334156	Room air-conditioners and dehumidifiers, except portable dehumidifiers@	1998..	1 033 665	1
		1997..	979 308	X
3334159	Refrigeration and air-conditioning equipment, nec	1998..	962 682	3
		1997..	881 066	X
333415A	Compressors and compressor units, all refrigerants, except automobiles@	1998..	2 860 769	1
		1997..	2 941 370	X
333415C	Warm air furnaces, including duct furnaces and humidifiers, and electric comfort heating equipment@	1998..	2 098 737	2
		1997..	1 939 242	X
333415D	Parts and accessories for air-conditioning and heat transfer equipment	1998..	2 184 603	2
		1997..	1 989 339	X
333415E	Unitary air-conditioners, except air source heat pumps@	1998..	4 801 936	1
		1997..	4 364 840	X
333415F	Air source heat pumps, except room air-conditioners@	1998..	1 027 279	1
		1997..	1 025 549	X
333415G	Ground and ground water source heat pumps@	1998..	106 210	10
		1997..	88 501	X
333415W	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing, nsk, total	1998..	443 827	77
		1997..	321 783	X
333511	Industrial molds	1998..	5 616 798	2
		1997..	5 732 858	X
3335110	Industrial molds and mold boxes	1998..	5 616 798	A
		1997..	5 732 858	X
333512	Machine tools, metal cutting types	1998..	4 535 944	3
		1997..	4 648 199	X
3335121	Metal gear cutting machines	1998..	173 598	5
		1997..	181 261	X
3335122	Metal grinding, polishing, buffing, honing, and lapping machines, except gear-tooth grinding, lapping, polishing, and buffing@	1998..	488 165	6
		1997..	593 491	X
3335123	Metal lathes (turning machines) numerically and nonnumerically controlled@	1998..	457 173	1
		1997..	489 775	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333512	Machine tools, metal cutting types—Con.		
3335124	Metal milling machines (excluding machining centers)@	1998.. 351 452	5
		1997.. 350 026	X
3335125	Machine tools designed primarily for home workshops, labs, garages, etc. (metalworking and primarily metalworking)	1998.. 69 446	24
		1997.. 54 937	X
3335126	Parts for metal cutting machine tools (sold separately) and rebuilt metal cutting machine tools	1998.. 701 645	5
		1997.. 733 174	X
3335127	Metal machining centers (multifunction numerically controlled machines)@	1998.. 914 615	7
		1997.. 932 619	X
3335128	Metal station type machines@	1998.. 406 317	11
		1997.. 449 476	X
3335129	Other metal cutting machine tools (except those designed primarily for home workshops, laboratories, garages, etc.)@	1998.. 547 048	10
		1997.. 438 742	X
333512A	Metal boring machines (excluding machining centers) and drilling machines (excluding machining centers)@	1998.. 215 325	16
		1997.. 238 185	X
333512W	Machine tool (metal cutting types) manufacturing, nsk, total	1998.. 211 159	18
		1997.. 186 513	X
333513	Machine tools, metal forming types	1998.. 2 124 846	3
		1997.. 2 164 280	X
3335131	Metal punching and shearing machines (including power and manual) and bending and forming machines (power only)@	1998.. 552 037	8
		1997.. 601 050	X
3335133	Metalworking presses (except forging and die-stamping presses)@	1998.. 418 398	3
		1997.. 431 087	X
3335135	Other metal forming machine tools, including forging and die-stamping machines (except metalworking presses)@	1998.. 601 419	5
		1997.. 546 158	X
3335137	Parts for metal forming machine tools (sold separately) and rebuilt metal forming machine tools	1998.. 480 411	7
		1997.. 515 029	X
333513W	Machine tools, metal forming types, nsk, total	1998.. 72 581	56
		1997.. 70 956	X
333514	Special dies, tools, jigs, and fixtures	1998.. 8 976 200	2
		1997.. 8 791 357	X
3335140	Special dies and tools, die sets, jigs, and fixtures	1998.. 8 976 200	10
		1997.. 8 791 357	X
333515	Cutting tool and machine tool accessories	1998.. 5 237 938	3
		1997.. 4 973 060	X
3335151	Small cutting tools for machine tools and metalworking machinery	1998.. 3 267 422	3
		1997.. 3 222 872	X
3335153	Other attachments and accessories for machine tools and metalworking machinery	1998.. 1 225 101	9
		1997.. 1 087 085	X
333515W	Machine tool accessories, nsk, total	1998.. 745 416	11
		1997.. 663 103	X
333516	Rolling mill machinery	1998.. 618 198	5
		1997.. 663 179	X
3335161	Hot rolling mill machinery (including combination hot and cold) (except tube rolling)	1998.. 182 026	1
		1997.. 180 328	X
3335163	Cold rolling mill machinery	1998.. 89 209	4
		1997.. 94 341	X
3335165	Other rolling mill machinery (including tube mill machinery) and parts for all rolling mill machinery	1998.. 300 223	9
		1997.. 347 302	X
333516W	Rolling mill machinery, nsk, total	1998.. 46 740	7
		1997.. 41 208	X
333518	Metalworking machinery, nec	1998.. 3 191 358	4
		1997.. 3 228 715	X
3335181	Assembly machines	1998.. 2 025 519	5
		1997.. 2 007 654	X
3335183	Other metalworking machinery (except handheld and ultrasonic)	1998.. 877 824	5
		1997.. 868 597	X
333518W	Metalworking machinery, nec, nsk, total	1998.. 288 016	31
		1997.. 352 464	X
333611	Turbines, and turbine generators, and turbine generator sets	1998.. 7 001 434	1
		1997.. 6 594 972	X
3336110	Turbine generator sets, turbines, turbine generators, and parts	1998.. 7 001 434	A
		1997.. 6 594 972	X
333612	Speed changers, drives and gears	1998.. 2 487 982	2
		1997.. 2 448 730	X
3336123	Loose gearing, including gears, pinions, racks, and worms, sold separately	1998.. 732 507	4
		1997.. 688 065	X
3336127	Speed changers and industrial high-speed drives, and parts other than loose gearing	1998.. 1 516 315	2
		1997.. 1 558 369	X
333612W	Speed changers, industrial high-speed drives, and gears, nsk	1998.. 239 160	A
		1997.. 202 296	X
333613	Power transmission equipment, nec	1998.. 3 160 151	3
		1997.. 3 056 402	X
3336131	Plain bearings and bushings	1998.. 487 315	3
		1997.. 421 123	X
3336133	Mechanical power transmission equipment, except speed changers, drives, and gears, nec	1998.. 2 638 249	3
		1997.. 2 511 995	X
333613W	Power transmission equipment, nec, nsk, total	1998.. 34 587	A
		1997.. 123 284	X
333618	Other engine equipment	1998.. 18 943 989	1
		1997.. 18 538 996	X
3336181	Gasoline and gas-gasoline engines (except aircraft, automobile, highway truck, bus, tank, and outboard marine)@	1998.. 2 448 916	1
		1997.. 2 392 011	X
3336183	Diesel, semidiesel, and dual-fuel engines (except automobile, highway truck, bus, and tank)@	1998.. 3 260 449	1
		1997.. 3 251 257	X
3336185	Diesel, semidiesel, and dual-fuel engines for automobiles, highway trucks, and buses@	1998.. 6 416 590	1
		1997.. 6 334 890	X
3336187	Electrical outboard motors	1998.. D	X
		1997.. D	X
3336189	Piston-type natural gas engines, including LPG engines (excluding gas turbines)@	1998.. 388 819	1
		1997.. 431 767	X
333618A	Tank (except gas turbine) and converted internal combustion engines	1998.. D	X
		1997.. D	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333618	Other engine equipment—Con.		
333618F	Parts and accessories for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines.....	1998.. 4 600 949	1
		1997.. 4 317 749	X
333618W	Other engine equipment manufacturing, nsk, total	1998.. 134 475	61
		1997.. 95 010	X
333911	Pumps and pumping equipment	1998.. 6 921 699	3
		1997.. 6 190 506	X
3339111	Pumps (except packaged, hand, automotive circulating, locomotive, hydraulic fluid power, measuring and dispensing, industrial spraying etc.)@	1998.. 5 461 165	3
		1997.. 4 722 707	X
3339115	Parts and attachments for pumps and pumping equipment (except for hydraulic, fluid power, and air and gas compressors)@	1998.. 1 242 801	6
		1997.. 1 154 822	X
333911W	Pump and pumping equipment manufacturing, nsk, total	1998.. 217 734	A
		1997.. 312 977	X
333912	Air and gas compressors	1998.. 4 316 882	6
		1997.. 4 663 925	X
3339121	Air and gas compressors and vacuum pumps@	1998.. 2 955 399	1
		1997.. 2 883 316	X
3339125	Parts and attachments for air and gas compressors (except for refrigeration, ice making, and air-conditioning equipment), and packaged compressors@	1998.. 704 942	1
		1997.. 713 789	X
3339127	Industrial spraying equipment	1998.. 753 513	11
		1997.. 852 923	X
333912W	Air and gas compressors, nsk, total	1998.. S	X
		1997.. 213 897	X
333913	Measuring and dispensing pumps	1998.. 1 262 392	1
		1997.. 1 192 107	X
3339130	Measuring and dispensing pumps	1998.. 1 262 392	95
		1997.. 1 192 107	X
333921	Elevators and moving stairways	1998.. 1 642 204	5
		1997.. 1 519 750	X
3339211	Elevators and moving stairways	1998.. 1 225 829	7
		1997.. 1 139 976	X
3339213	Parts and attachments for elevators and moving stairways (sold separately)	1998.. 331 952	3
		1997.. 317 689	X
333921W	Elevators and moving stairways, nsk, total	1998.. 84 424	94
		1997.. 62 085	X
333922	Conveyors and conveying equipment	1998.. 6 061 437	3
		1997.. 5 703 695	X
3339221	Unit handling conveyors and conveying systems, except hoists and farm elevators	1998.. 3 118 112	4
		1997.. 2 979 438	X
3339223	Parts, attachments, and accessories for unit handling conveyors and conveying systems (sold separately)	1998.. 294 884	9
		1997.. 247 887	X
3339227	Bulk material handling conveyors and conveying systems, except hoists and farm elevators	1998.. 1 562 458	9
		1997.. 1 503 160	X
3339229	Parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately)	1998.. 519 870	5
		1997.. 484 709	X
333922W	Conveyors and conveying equipment, nsk, total	1998.. 566 113	16
		1997.. 488 501	X
333923	Hoists, cranes, and monorails	1998.. 3 384 169	3
		1997.. 3 219 828	X
3339231	Hoists	1998.. 652 403	7
		1997.. 552 574	X
3339233	Overhead traveling cranes and monorail systems	1998.. 636 963	1
		1997.. 566 715	X
3339237	Winches, aerial work platforms, and automotive wrecker hoists@	1998.. 1 909 896	4
		1997.. 1 949 579	X
333923W	Hoists, cranes, and monorails, nsk, total	1998.. 184 907	A
		1997.. 150 960	X
333924	Industrial trucks and tractors	1998.. 5 977 491	1
		1997.. 5 274 246	X
3339241	Industrial trucks, tractors, mobile straddle carriers and cranes, and automatic stacking machines	1998.. 4 569 565	1
		1997.. 3 968 523	X
3339243	Parts and attachments for industrial trucks and tractors (sold separately)	1998.. 1 066 435	2
		1997.. 986 546	X
333924W	Industrial trucks and tractors, nsk, total	1998.. 341 491	22
		1997.. 319 177	X
333991	Power-driven hand tools	1998.. 3 772 864	1
		1997.. 3 393 560	X
3339911	Power-driven handtools, pneumatic, hydraulic, and power-actuated	1998.. 992 781	1
		1997.. 953 256	X
3339913	Power-driven handtools, engine (internal combustion) driven	1998.. 132 645	1
		1997.. 230 306	X
3339917	Power-driven handtools, battery-powered (cordless)	1998.. 624 893	1
		1997.. 489 424	X
3339919	Power-driven handtools, electric (excluding battery-powered)	1998.. 1 741 529	1
		1997.. 1 592 207	X
333991W	Power-driven handtools, nsk, total	1998.. 281 017	1
		1997.. 128 367	X
333992	Welding and soldering equipment	1998.. 4 298 513	2
		1997.. 4 130 253	X
3339921	Arc welding machines, components, and accessories (except electrodes), excluding stud welding equipment.....	1998.. 1 553 771	6
		1997.. 1 418 821	X
3339923	Arc welding electrodes, metal	1998.. 1 248 668	2
		1997.. 1 204 369	X
3339927	Resistance welders, components, accessories, and electrodes	1998.. 393 196	3
		1997.. 428 290	X
3339929	Gas welding and cutting equipment, parts, attachments, and accessories	1998.. 331 377	1
		1997.. 330 193	X
333992A	Other welding equipment, components, and accessories (excluding arc, resistance, and gas)	1998.. 562 604	5
		1997.. 515 603	X
333992W	Welding and soldering equipment manufacturing, nsk, total	1998.. 208 896	A
		1997.. 232 977	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333993	Packaging machinery	1998..	4 413 737	3
		1997..	4 387 719	X
3339931	Packing, packaging, and bottling machinery, except parts	1998..	3 471 147	3
		1997..	3 565 063	X
3339935	Parts for packing, packaging, and bottling machinery	1998..	606 794	7
		1997..	567 424	X
333993W	Packaging machinery, nsk, total	1998..	335 796	21
		1997..	255 232	X
333994	Industrial furnaces and ovens	1998..	2 760 182	2
		1997..	2 872 756	X
3339940	Industrial furnaces and ovens, and electric industrial heating equipment	1998..	2 760 182	25
		1997..	2 872 756	X
333995	Fluid power cylinders and actuators	1998..	3 241 761	2
		1997..	3 181 157	X
3339951	Nonaerospace type hydraulic fluid power cylinders and actuators, linear and rotary@	1998..	1 418 709	4
		1997..	1 375 220	X
3339953	Nonaerospace type pneumatic fluid power cylinders and actuators, linear and rotary@	1998..	475 125	5
		1997..	517 296	X
3339955	Parts for hydraulic and pneumatic fluid power cylinders and actuators, including accumulators, cushions, etc.@	1998..	328 087	8
		1997..	288 137	X
3339957	Aerospace type fluid power cylinders and actuators, hydraulic and pneumatic@	1998..	882 313	1
		1997..	900 549	X
333995W	Fluid power cylinders and actuators, nsk, total	1998..	137 526	A
		1997..	99 955	X
333996	Fluid power pumps and motors	1998..	2 627 700	3
		1997..	2 624 301	X
3339961	Nonaerospace type reciprocating fluid power pumps@	1998..	587 953	12
		1997..	636 251	X
3339963	Nonaerospace type rotary and other fluid power pumps@	1998..	495 962	2
		1997..	501 080	X
3339965	Nonaerospace type fluid power motors@	1998..	582 432	1
		1997..	560 150	X
3339967	Aerospace type fluid power pumps and motors@	1998..	268 920	3
		1997..	233 735	X
3339969	Parts for fluid power pumps, motors, and hydrostatic transmissions@	1998..	502 089	1
		1997..	512 093	X
333996W	Fluid power pumps and motors, nsk, total	1998..	190 344	A
		1997..	180 992	X
333997	Scales and balances, except laboratory	1998..	611 091	3
		1997..	627 870	X
3339971	Vehicle and industrial scales	1998..	289 599	6
		1997..	331 266	X
3339973	Retail, commercial, household, and mailing scales	1998..	155 053	3
		1997..	158 315	X
3339975	Parts, attachments, and accessories for scales and balances, except laboratory	1998..	113 265	4
		1997..	102 781	X
333997W	Scales and balances, except laboratory, nsk, total	1998..	53 175	17
		1997..	35 508	X
333999	All other general purpose machinery	1998..	7 847 754	2
		1997..	7 957 313	X
3339991	Filters and strainers, except fluid power	1998..	2 157 899	6
		1997..	2 052 417	X
3339993	Filters for hydraulic fluid power systems, nonaerospace@	1998..	334 661	8
		1997..	287 595	X
3339994	Filters for pneumatic fluid power systems, nonaerospace@	1998..	131 643	20
		1997..	137 737	X
3339996	Filters for hydraulic and pneumatic fluid power systems, aerospace@	1998..	74 224	1
		1997..	77 540	X
3339998	General industrial machinery, nec@	1998..	3 369 732	2
		1997..	3 686 190	X
3339999	Miscellaneous machinery products, except electrical, nec	1998..	668 174	15
		1997..	796 666	X
333999W	All other general purpose machinery, nsk, total	1998..	1 111 421	7
		1997..	919 168	X
334111	Electronic computers	1998..	59 780 291	1
		1997..	54 843 199	X
3341111	Host computers, multiusers (mainframes, super computers, medium scale systems, UNIX servers, pc servers)@	1998..	15 962 942	1
		1997..	16 450 436	X
3341117	Single user computers, microprocessor-based, capable of supporting attached peripherals (personal computers, workstations, portable computers)@	1998..	41 093 041	1
		1997..	34 568 633	X
334111D	Other computers, (array, analog, hybrid, or special-use computers)@	1998..	615 363	1
		1997..	1 021 586	X
334111W	Electronic computers, nsk, total	1998..	2 108 945	1
		1997..	2 802 544	X
334112	Computer storage devices	1998..	10 145 978	1
		1997..	11 614 688	X
3341121	Computer storage devices (except parts, attachments, and accessories)@	1998..	7 342 352	1
		1997..	8 792 705	X
3341124	Parts, attachments, and accessories for computer storage devices@	1998..	2 360 804	1
		1997..	2 340 307	X
334112W	Computer storage devices, nsk, total	1998..	442 822	24
		1997..	481 676	X
334113	Computer terminals	1998..	1 263 648	6
		1997..	1 647 134	X
3341131	Computer terminals (excluding point-of-sale and funds-transfer devices and parts, attachments, and accessories)@	1998..	784 175	10
		1997..	1 213 503	X
3341134	Parts, attachments, and accessories for computer terminals (excluding point-of-sale and funds-transfer devices)@	1998..	277 051	1
		1997..	190 902	X
334113W	Computer terminals, nsk, total	1998..	202 422	72
		1997..	242 729	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
334119	Other computer peripheral equipment	1998..	20 377 725	2
		1997..	22 018 422	X
3341191	Computer peripheral (input-output) equipment, nec, except parts, attachments, and accessories@	1998..	13 295 996	1
		1997..	15 916 165	X
3341194	Parts, attachments, and accessories for computer peripheral (input-output) equipment, nec@	1998..	3 008 480	3
		1997..	2 911 858	X
3341197	Point-of-sale terminals and funds-transfer devices@	1998..	1 074 209	1
		1997..	1 628 912	X
334119D	Parts and attachments for point-of-sale terminals and funds-transfer devices	1998..	175 756	4
		1997..	170 816	X
334119W	Other computer peripheral equipment, nsk, total	1998..	2 823 283	28
		1997..	1 390 671	X
334210	Telephone switching, carrier, line telegraph, and data communications equipment	1998..	40 944 471	1
		1997..	37 487 032	X
3342101	Telephone switching and switchboard equipment@	1998..	12 482 700	1
		1997..	10 503 440	X
3342104	Telephone and telegraph apparatus, carrier line equipment, and nonconsumer modems, including auxiliary sets@	1998..	8 518 497	1
		1997..	7 460 228	X
3342107	All other telephone-telegraph (wire) and data communications apparatus, including telephone sets, telephone answering, and fax machines@	1998..	19 429 480	1
		1997..	18 965 886	X
334210W	Telephone apparatus, nsk, total	1998..	513 793	9
		1997..	557 478	X
334220	Communication systems and broadcast and studio equipment	1998..	34 995 367	1
		1997..	36 476 020	X
3342201	Communication systems and equipment, except broadcast, but including microwave equipment, and space satellites@	1998..	28 799 161	1
		1997..	30 027 207	X
3342203	Broadcast, studio, and related electronic equipment@	1998..	3 598 736	1
		1997..	4 049 156	X
3342207	Microwave components and devices, except antennae, tubes, and semiconductors@	1998..	1 660 895	6
		1997..	1 712 330	X
334220W	Radio and television broadcasting and wireless communications equipment, nsk, total	1998..	936 575	12
		1997..	687 327	X
334290	Alarm systems, traffic control equipment, and intercommunication and paging systems	1998..	3 631 382	2
		1997..	3 551 003	X
3342901	Alarm systems, including electric sirens and horns@	1998..	2 066 467	2
		1997..	1 949 301	X
3342902	Vehicular and pedestrian traffic control equipment, electric railway signals and attachments@	1998..	984 096	4
		1997..	1 016 608	X
3342903	Intercommunications systems, including inductive paging systems (selective paging), except telephone and telegraph@	1998..	220 432	6
		1997..	244 042	X
334290W	Other communications equipment, nec, nsk, total	1998..	360 387	7
		1997..	341 052	X
334310	Radios, television receivers, hi-fidelity components, and speakers	1998..	8 535 802	2
		1997..	8 507 051	X
3343101	Home, portable, and automobile radios and radio-phonograph-tape recorder-compact disc combinations@	1998..	941 484	7
		1997..	951 294	X
3343102	Television receivers, including combination models@	1998..	3 952 338	3
		1997..	4 360 120	X
3343103	Other consumer audio and video equipment, including audio and video recorders and players, camcorders@	1998..	815 020	15
		1997..	711 438	X
3343104	Speakers, including loudspeaker systems and loudspeakers sold separately, and commercial sound equipment@	1998..	2 344 731	5
		1997..	2 051 810	X
334310W	Audio and video equipment, nsk, total	1998..	482 230	13
		1997..	432 389	X
334411	Electron tubes	1998..	4 289 439	1
		1997..	4 307 735	X
3344111	Transmittal, industrial, and special-purpose electron tubes (except x-ray)@	1998..	619 052	1
		1997..	602 562	X
3344114	Receiving-type electron tubes, including cathode ray (new and rebuilt)@	1998..	3 386 012	1
		1997..	3 394 462	X
3344117	Electron tube parts@	1998..	154 956	1
		1997..	156 671	X
334411W	Electron tubes, nsk, total	1998..	129 420	16
		1997..	154 040	X
334412	Printed circuit boards	1998..	9 844 672	2
		1997..	9 756 553	X
3344120	Printed circuit (wiring) boards@	1998..	9 844 672	32
		1997..	9 756 553	X
334413	Semiconductors and related devices	1998..	72 109 589	1
		1997..	75 866 649	X
3344131	Integrated microcircuits, including semiconductor networks, microprocessors, and MOS memories@	1998..	57 385 442	1
		1997..	59 392 704	X
3344134	Transistors@	1998..	715 001	13
		1997..	1 532 165	X
3344137	Diodes and rectifiers@	1998..	1 015 781	6
		1997..	1 208 633	X
334413A	Other semiconductor devices, including semiconductor parts, such as chips, wafers, and heat sinks@	1998..	10 248 434	3
		1997..	11 562 808	X
334413W	Semiconductors and related devices, nsk, total	1998..	2 744 931	19
		1997..	2 170 339	X
334414	Electronic capacitors	1998..	1 824 930	1
		1997..	2 091 861	X
3344140	Capacitors for electronic circuitry@	1998..	1 824 930	15
		1997..	2 091 861	X
334415	Electronic resistors	1998..	1 061 059	4
		1997..	1 118 375	X
3344150	Resistors for electronic circuitry@	1998..	1 061 059	A
		1997..	1 118 375	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
334416	Electronic coils, transformers, and other inductors	1998.. 1 477 911	6
		1997.. 1 625 641	X
3344160	Electronic coils, transformers, and other inductors@	1998.. 1 477 911	A
		1997.. 1 625 641	X
334417	Electronic connectors	1998.. 5 320 075	1
		1997.. 5 711 156	X
3344171	Coaxial (RF) connectors for electronic circuitry@	1998.. 785 838	2
		1997.. 673 601	X
3344174	Cylindrical connectors for electronic circuitry@	1998.. 621 811	3
		1997.. 632 155	X
3344177	Rack and panel (rectangular) connectors for electronic circuitry@	1998.. 578 565	1
		1997.. 570 508	X
334417A	Printed circuit connectors for electronic circuitry@	1998.. 1 134 887	1
		1997.. 1 307 586	X
334417D	Other connectors for electronic circuitry, including parts@	1998.. 1 841 366	1
		1997.. 2 199 854	X
334417W	Connectors for electronic circuitry, nsk, total	1998.. 357 609	11
		1997.. 327 452	X
334418	Printed circuits and electronics subassemblies	1998.. 25 712 029	1
		1997.. 27 798 435	X
3344184	Printed circuit, electronic assemblies@	1998.. 980 351	4
		1997.. 956 224	X
334418A	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)@	1998.. 24 319 906	1
		1997.. 26 086 931	X
334418W	Printed circuit, electronic assemblies, nsk	1998.. 411 773	86
		1997.. 755 280	X
334419	Other electronic components	1998.. 10 375 425	2
		1997.. 10 720 520	X
3344191	Crystals, filters, piezoelectric, and other related electronic devices, except microwave filters@	1998.. 904 557	6
		1997.. 835 141	X
3344194	Transducers, electrical-electronic input or output, nec@	1998.. 1 355 651	1
		1997.. 1 243 541	X
3344197	Switches, mechanical, for electronic circuitry@	1998.. 756 689	5
		1997.. 821 164	X
334419D	Electronic components, nec@	1998.. 6 001 351	2
		1997.. 6 035 557	X
334419W	Other electronic components, nsk	1998.. 1 357 177	23
		1997.. 1 785 117	X
334510	Electromedical and electrotherapeutic apparatus	1998.. 11 116 858	2
		1997.. 10 450 817	X
3345101	Electromedical equipment (diagnostic, therapeutic, patient monitoring, etc.), excluding ionizing radiation equipment and hearing aids@	1998.. 10 178 110	2
		1997.. 9 436 170	X
3345103	Electronic hearing aids, complete units	1998.. 594 361	1
		1997.. 585 336	X
334510W	Electromedical and electrotherapeutic apparatus, nsk, total	1998.. 344 387	40
		1997.. 429 311	X
334511	Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	1998.. 29 979 085	1
		1997.. 29 736 868	X
3345111	Aeronautical, nautical, and navigational instruments, not sending or receiving radio signals, except engine instruments@	1998.. 2 545 033	1
		1997.. 2 608 128	X
3345113	Search, detection, navigation, and guidance systems and equipment@	1998.. 26 906 803	1
		1997.. 26 717 611	X
334511W	Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments, nsk, total	1998.. 527 248	14
		1997.. 411 129	X
334512	Environmental controls	1998.. 3 151 696	4
		1997.. 2 913 423	X
3345120	Automatic environmental controls for monitoring and regulating residential and commercial environments and appliances@	1998.. 3 151 696	A
		1997.. 2 913 423	X
334513	Process control instruments	1998.. 7 290 167	3
		1997.. 7 380 453	X
3345130	Process control instruments@	1998.. 7 290 167	32
		1997.. 7 380 453	X
334514	Totalizing fluid meters and counting devices	1998.. 4 342 278	1
		1997.. 4 099 125	X
3345141	Integrating and totalizing meters for gas and liquids@	1998.. 1 226 493	1
		1997.. 1 185 328	X
3345143	Counting devices, excluding motor vehicle instruments@	1998.. 504 609	1
		1997.. 426 987	X
3345145	Motor vehicle instruments@	1998.. 2 419 666	1
		1997.. 2 315 554	X
334514W	Totalizing fluid meters and counting devices, nsk, total	1998.. 191 510	2
		1997.. 171 256	X
334515	Instruments to measure electricity	1998.. 12 827 554	2
		1997.. 12 924 296	X
3345151	Electrical integrating instruments@	1998.. 499 780	1
		1997.. 484 671	X
3345153	Test equipment for testing electrical, radio and communication circuits, and motors, except portable instrument transformers@	1998.. 11 121 780	2
		1997.. 11 105 862	X
3345155	Other instruments to measure electricity@	1998.. 408 219	9
		1997.. 502 367	X
334515W	Instruments to measure electricity, nsk, total	1998.. 797 776	10
		1997.. 831 396	X
334516	Analytical laboratory instruments	1998.. 5 990 234	1
		1997.. 6 019 004	X
3345160	Analytical and scientific instruments, except optical@	1998.. 5 990 234	62
		1997.. 6 019 004	X
334517	Irradiation apparatus	1998.. 3 394 177	1
		1997.. 3 414 407	X
3345170	Irradiation (ionizing radiation) equipment, including x-ray, beta ray, gamma ray, and nuclear@	1998.. 3 394 177	A
		1997.. 3 414 407	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
334518	Watches, clocks, and parts	1998..	702 200	3
		1997..	749 365	X
3345181	Watches, watchcases, movements or modules, and watch parts	1998..	88 423	1
		1997..	86 289	X
3345183	Clocks, timing mechanisms, time recording and time stamp devices, time switches, clock movements, clock cases, and parts	1998..	570 243	3
		1997..	626 906	X
334518W	Watches, clocks, and parts, nsk, total	1998..	43 533	56
		1997..	36 170	X
334519	Measuring and controlling devices, nec	1998..	5 247 772	2
		1997..	5 116 817	X
3345191	Aircraft engine instruments, except flight@	1998..	671 381	4
		1997..	511 927	X
3345193	Physical properties testing and inspection equipment and kinematic testing and measuring equipment@	1998..	1 725 728	2
		1997..	1 646 861	X
3345195	Nuclear radiation detection and monitoring instruments@	1998..	570 736	2
		1997..	490 403	X
3345197	Commercial, geophysical, meteorological, and general-purpose instruments and equipment, except medical thermometers@	1998..	1 339 942	4
		1997..	1 552 624	X
3345199	Survey and drafting instruments and apparatus, including photogrammetric equipment@	1998..	300 245	6
		1997..	344 853	X
334519W	Other measuring and controlling devices, nsk, total	1998..	639 739	21
		1997..	570 149	X
334611	Software reproducing	1998..	1 512 547	10
		1997..	1 273 631	X
3346110	Software reproducing	1998..	1 512 547	A
		1997..	1 273 631	X
334612	Prerecorded compact discs, except software, tapes, and records	1998..	4 338 760	1
		1997..	3 753 041	X
3346120	Prerecorded compact disc (except software), tape, and record reproducing	1998..	4 338 760	3
		1997..	3 753 041	X
334613	Unrecorded magnetic and optical discs and tapes	1998..	4 923 181	2
		1997..	5 956 199	X
3346130	Magnetic and optical recording media, unrecorded@	1998..	4 923 181	2
		1997..	5 956 199	X
335110	Electric lamp bulbs and parts	1998..	3 214 771	1
		1997..	3 166 277	X
3351101	Electric lamp bulbs and tubes (including sealed beam lamp bulbs)	1998..	2 917 303	1
		1997..	2 868 070	X
3351103	Electric lamp (bulbs and tubes) components (bases, supports, lead-ins, filaments, etc., but excluding lamp bulb blanks)	1998..	291 769	2
		1997..	294 136	X
335110W	Electric lamps (bulbs and tubes), nsk, total	1998..	5 699	7
		1997..	4 071	X
335121	Residential electric lighting fixtures	1998..	2 082 757	2
		1997..	1 991 765	X
3351211	Residential-type electric lighting fixtures (except portable), including parts and accessories@	1998..	1 261 386	3
		1997..	1 170 196	X
3351213	Residential-type portable lighting fixtures, including parts and accessories	1998..	660 989	4
		1997..	703 453	X
335121W	Residential electric lighting fixture manufacturing, nsk, total	1998..	160 381	10
		1997..	118 116	X
335122	Commercial, industrial, and institutional electric lighting fixtures	1998..	4 660 889	2
		1997..	4 225 959	X
3351221	Commercial and institutional-type electric lighting fixtures, including parts and accessories@	1998..	3 614 849	2
		1997..	3 270 808	X
3351222	Industrial-type electric lighting fixtures, including parts and accessories@	1998..	843 834	3
		1997..	788 249	X
335122W	Commercial, industrial, and institutional electric lighting fixtures, nsk, total	1998..	202 205	9
		1997..	166 902	X
335129	Lighting equipment, nec	1998..	3 270 135	5
		1997..	2 889 894	X
3351291	Outdoor lighting equipment (including parts and accessories)@	1998..	1 910 376	5
		1997..	1 712 605	X
3351293	Electric and nonelectric lighting equipment, nec, including hand portable, parts, and accessories	1998..	1 189 897	11
		1997..	1 050 238	X
335129W	Lighting equipment, nec, nsk, total	1998..	169 862	27
		1997..	127 051	X
335211	Electric housewares and household fans	1998..	2 690 500	5
		1997..	2 660 503	X
3352111	Electric fans, except industrial-type@	1998..	988 689	3
		1997..	874 427	X
3352113	Small electric household appliances, except fans and wall and baseboard heating units for permanent installation@	1998..	1 415 007	3
		1997..	1 480 732	X
3352115	Parts and attachments for small household electric appliances@	1998..	179 219	69
		1997..	120 636	X
335211W	Electric housewares and fans, nsk, total	1998..	107 584	A
		1997..	184 708	X
335212	Household vacuum cleaners	1998..	2 327 157	1
		1997..	2 335 157	X
3352121	Household vacuum cleaners	1998..	D	X
		1997..	D	X
3352122	Floor waxing and floor polishing machines and parts	1998..	D	X
		1997..	D	X
335212W	Household vacuum cleaners, including parts and attachments	1998..	4 534	1
		1997..	1 470	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
335221	Household ranges and cooking appliances	1998.. 4 056 076 1997.. 3 644 146	6 X
3352211	Electric household cooking equipment, including microwave, ranges, ovens, surface cooking units and equipment@	1998.. 1 920 064 1997.. 1 829 108	2 X
3352213	Gas household ranges, ovens, surface cooking units, and equipment, including parts and accessories@	1998.. 1 054 410 1997.. 868 329	25 X
3352215	Other household ranges and cooking equipment@	1998.. 1 064 273 1997.. 936 205	2 X
335221W	Household cooking equipment, nsk, total	1998.. 17 330 1997.. 10 504	55 X
335222	Household refrigerators, freezers, parts and attachments	1998.. 5 264 995 1997.. 4 828 356	1 X
3352221	Household refrigerators, including combination refrigerator-freezers@	1998.. 4 698 623 1997.. 4 430 327	1 X
3352222	Food freezers, complete units, household-type@	1998.. 429 594 1997.. 330 920	1 X
3352223	Parts and attachments for household refrigerators and freezers (excluding compressors, condensing units, and ice making machines)@	1998.. 59 173 1997.. 61 927	2 X
335222W	Household refrigerators and freezers, nsk, total	1998.. 77 605 1997.. 5 182	1 X
335224	Household laundry equipment	1998.. 4 254 736 1997.. 3 710 478	1 X
3352240	Household laundry machines, including both coin-and noncoin-operated washing machines, dryers, combinations and parts@	1998.. 4 254 736 1997.. 3 710 478	1 X
335228	Other major household appliances	1998.. 2 898 003 1997.. 2 898 327	1 X
3352281	Household water heaters, electric, for permanent installation@	1998.. 564 548 1997.. 548 477	1 X
3352283	Household water heaters, except electric@	1998.. 730 712 1997.. 756 280	1 X
3352285	Household appliances and parts, nec@	1998.. 1 585 357 1997.. 1 590 977	1 X
335228W	Household appliances, nec, nsk, total	1998.. 17 387 1997.. 2 593	66 X
335311	Power, distribution, and specialty transformers	1998.. 4 716 280 1997.. 4 678 429	2 X
3353111	Power and distribution transformers, except parts	1998.. 2 370 351 1997.. 2 207 718	3 X
3353113	Specialty transformers, except fluorescent lamp ballasts	1998.. 415 216 1997.. 511 903	4 X
3353115	Fluorescent lamp ballasts@	1998.. 931 013 1997.. 968 909	1 X
3353117	Commercial, institutional, and industrial general-purpose transformers, all voltages	1998.. 231 499 1997.. 303 791	18 X
3353119	Power regulators, boosters, and other transformers and parts for all transformers	1998.. 587 145 1997.. 513 966	13 X
335311W	Transformers, except electronic, nsk, total	1998.. 181 055 1997.. 172 142	6 X
335312	Motors and generators	1998.. 12 216 957 1997.. 12 082 561	2 X
3353121	Fractional horsepower motors (rated at less than 746 watts) (excluding hermetics)@	1998.. 5 216 866 1997.. 5 210 844	1 X
3353123	Integral horsepower motors and generators other than for land transportation equipment (rated at 746 watts or more)@	1998.. 2 140 980 1997.. 2 257 524	12 X
3353125	Land transportation motors, generators, and control equipment, excluding parts	1998.. 496 481 1997.. 332 612	1 X
3353127	Prime mover generator sets, except steam or hydraulic turbine@	1998.. 1 981 961 1997.. 1 648 488	1 X
3353129	Fractional motor generator sets and other rotating equipment, including hermetics@	1998.. 472 434 1997.. 502 708	1 X
335312A	Integral motor generator sets and other rotating equipment, including hermetics@	1998.. 557 272 1997.. 618 360	2 X
335312C	Parts, supplies for motors, generators, generator sets, and other rotating equipment, excluding motors for built-in jobs@	1998.. 569 416 1997.. 685 208	23 X
335312E	Armature rewinding on a factory basis (excluding custom repair shop rewinding)	1998.. 101 055 1997.. 114 682	9 X
335312W	Motors and generators, nsk, total	1998.. 680 492 1997.. 712 135	14 X
335313	Switchgear and switchboard apparatus	1998.. 7 644 065 1997.. 7 328 018	1 X
3353131	Power circuit breakers, all voltages@	1998.. 547 629 1997.. 528 506	2 X
3353133	Low voltage panelboards and distribution boards and other switching and interrupting devices, 1000 volts or less@	1998.. 2 399 770 1997.. 2 298 553	1 X
3353135	Fuses and fuse equipment, less than 2300 volts, except power distribution cut-outs@	1998.. 570 357 1997.. 562 221	1 X
3353137	Molded case circuit breakers, 1000 volts or less@	1998.. 1 336 799 1997.. 1 294 712	1 X
3353139	Duct, including plug-in units and accessories, 1000 volts or less@	1998.. 309 781 1997.. 291 157	2 X
335313A	Switchgear, except ducts and relays@	1998.. 1 986 508 1997.. 1 959 110	2 X
335313W	Switchgear and switchboard apparatus, nsk, total	1998.. 493 219 1997.. 393 759	5 X
335314	Relays and industrial controls	1998.. 10 848 294 1997.. 10 887 847	1 X
3353141	Relays for electronic circuitry, industrial control, overload, and switchgear type@	1998.. 977 578 1997.. 948 938	4 X
3353143	Specific-purpose industrial controls@	1998.. 3 618 778 1997.. 3 756 387	2 X
3353145	General-purpose industrial controls@	1998.. 4 694 085 1997.. 4 733 714	2 X
3353147	Parts for industrial controls and motor-control accessories@	1998.. 664 996 1997.. 641 145	5 X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
335314	Relays and industrial controls—Con.		
335314W	Relays and industrial controls, nsk, total	1998.. 892 858 1997.. 807 663	15 X
335911	Storage batteries	1998.. 4 129 528 1997.. 4 286 197	1 X
3359111	Storage batteries, lead acid type, Battery Council International dimensional size group 8D (1.5 cu ft or .042 cu m and smaller)	1998.. 2 753 224 1997.. 2 844 347	1 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)	1998.. 924 864 1997.. 946 840	1 X
3359117	Storage batteries, except lead acid, including parts for all storage batteries	1998.. 349 914 1997.. 381 701	1 X
335911W	Storage batteries, nsk, total	1998.. 101 526 1997.. 113 309	20 X
335912	Primary batteries	1998.. 2 647 425 1997.. 2 428 847	1 X
3359120	Primary batteries	1998.. 2 647 425 1997.. 2 428 847	1 X
335921	Fiber optic cable	1998.. 2 528 961 1997.. 2 334 069	1 X
3359210	Fiber optic cable@	1998.. 2 528 961 1997.. 2 334 069	1 X
335929	Other communication & energy wire mfg.	1998.. 11 568 095 1997.. 11 682 142	3 X
3359291	Power wire and cable, made in plants that draw wire@	1998.. 1 228 117 1997.. 1 612 689	25 X
335929A	Electronic wire and cable, made in plants that draw wire@	1998.. 3 486 651 1997.. 3 410 325	3 X
335929B	Telephone and telegraph wire and cable, made in plants that draw wire@	1998.. 1 984 698 1997.. 2 013 716	1 X
335929C	Control and signal wire and cable, made in plants that draw wire@	1998.. 454 048 1997.. 487 563	2 X
335929D	Building wire and cable, made in plants that draw wire@	1998.. 2 644 978 1997.. 2 675 449	1 X
335929E	Other insulated wire and cable, including automotive, made in plants that draw wire@	1998.. 982 948 1997.. 1 215 784	9 X
335929W	Other communication & energy wire mfg, nsk, total	1998.. 786 656 1997.. 266 616	99 X
335931	Current-carrying wiring devices	1998.. 6 352 971 1997.. 5 744 656	3 X
3359311	Current-carrying lampholders@	1998.. 164 883 1997.. 194 736	15 X
3359313	Current-carrying general- and special-purpose convenience and power outlets (excluding pin-and-sleeve type)@	1998.. 441 080 1997.. 460 810	1 X
3359315	Current-carrying switches for electrical circuitry (including vehicular switches)@	1998.. 2 007 449 1997.. 1 819 425	3 X
3359317	Current-carrying metal contacts, including precious metal	1998.. 225 493 1997.. 221 032	1 X
3359319	Current-carrying wire connectors for electrical circuitry@	1998.. 1 733 085 1997.. 1 615 798	3 X
335931A	Other current-carrying wiring devices, nec (attachments, plug caps, connector bodies, lighting arrestors, power outlets, etc.)@	1998.. 1 468 109 1997.. 1 190 894	10 X
335931W	Current-carrying wiring devices, nsk, total	1998.. 312 872 1997.. 241 961	13 X
335932	Noncurrent-carrying wiring devices	1998.. 4 562 358 1997.. 4 283 186	2 X
3359321	Noncurrent-carrying pole and transmission line hardware@	1998.. 879 385 1997.. 857 666	3 X
3359323	Noncurrent-carrying electrical conduit and conduit fittings, including plastics conduit and conduit fittings@	1998.. 2 113 005 1997.. 2 057 217	1 X
3359325	Other noncurrent-carrying wiring devices and supplies (boxes, covers, bar hangers, etc.)@	1998.. 1 551 651 1997.. 1 300 762	4 X
335932W	Noncurrent-carrying wiring devices, nsk, total	1998.. 18 318 1997.. 67 541	1 X
335991	Carbon and graphite products	1998.. 2 173 185 1997.. 2 204 096	1 X
3359911	Carbon and graphite electrodes for electric furnaces and electrolytic cell use	1998.. 1 036 194 1997.. 1 032 727	2 X
3359913	All other carbon and graphite products	1998.. 1 056 549 1997.. 1 092 155	2 X
335991W	Carbon and graphite products, nsk, total	1998.. 80 442 1997.. 79 214	7 X
335999	Electrical equipment and components, nec	1998.. 7 471 638 1997.. 6 697 018	3 X
3359991	Capacitors for industrial use (except for electronic circuitry)	1998.. 440 514 1997.. 299 541	15 X
3359993	Rectifying apparatus	1998.. 1 732 960 1997.. 1 472 848	4 X
3359995	Other electrical equipment for industrial use, except for electronic circuitry	1998.. 862 562 1997.. 907 577	11 X
3359997	Laser generator power supplies and components@	1998.. 750 493 1997.. 896 840	3 X
3359999	All other laser systems and equipment	1998.. 402 910 1997.. 144 208	5 X
335999A	Ultrasonic equipment (except medical and dental)	1998.. 212 177 1997.. 220 813	6 X
335999B	All other apparatus wire and cordage manufactured from purchased insulated wire\$	1998.. 295 485 1997.. 329 194	25 X
335999C	Electronic systems and equipment, nec, including automatic garage door openers and amplifiers@	1998.. 1 478 195 1997.. 1 493 859	6 X
335999D	All other miscellaneous electrical equipment and components (except for industrial use), nec	1998.. 386 290 1997.. 109 854	14 X
335999W	Other electrical equipment and components, nsk, total	1998.. 910 054 1997.. 822 804	14 X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
336111	Automobiles	1998..	92 144 433	1
		1997..	93 215 637	X
3361110	Complete passenger vehicles, knockdown or assembled, passenger car chassis, and nonarmored military automobiles	1998..	92 144 433	19
		1997..	93 215 637	X
336112	Light trucks and utility vehicles	1998..	113 418 608	1
		1997..	107 387 071	X
3361120	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,000 lb or less, including minivans and sport utility vehicles	1998..	113 418 608	1
		1997..	107 387 071	X
336120	Heavy duty trucks and buses	1998..	21 447 252	1
		1997..	16 824 522	X
3361201	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,001 to 33,000 lb	1998..	6 927 904	1
		1997..	4 152 281	X
3361202	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 33,001 lb or more	1998..	12 794 267	1
		1997..	11 171 520	X
3361203	Buses, including military and firefighting vehicles (chassis of own manufacture)	1998..	1 649 541	1
		1997..	1 425 986	X
336120W	Heavy-duty trucks, nsk, total	1998..	75 541	25
		1997..	74 735	X
336211	MOTOR VEHICLES AND CAR BODIES	1998..	9 262 618	3
		1997..	8 377 103	X
3362111	Truck, bus, and other vehicle bodies including passenger car bodies and kit cars for sale separately ..	1998..	5 772 765	2
		1997..	5 193 573	X
3362113	Complete vehicles produced on purchased chassis	1998..	2 792 392	10
		1997..	2 584 592	X
336211W	Motor vehicle body, nsk, total	1998..	697 462	4
		1997..	598 938	X
336212	Truck trailers	1998..	6 432 733	1
		1997..	5 285 998	X
3362121	Truck trailers and chassis, with axle rating of 10,000 lb or more@	1998..	5 716 672	1
		1997..	4 701 235	X
3362123	Truck trailers and chassis, with axle rating of less than 10,000 lb	1998..	317 538	11
		1997..	271 497	X
336212W	Truck trailers, nsk, total	1998..	398 523	A
		1997..	313 266	X
336213	Motor homes produced on purchased chassis	1998..	4 183 166	1
		1997..	3 581 943	X
3362130	Motor homes built on purchased chassis	1998..	4 183 166	70
		1997..	3 581 943	X
336214	Travel trailers and campers	1998..	5 356 187	2
		1997..	4 663 232	X
3362141	Travel trailers	1998..	2 497 593	4
		1997..	2 132 629	X
3362143	Automobile and light truck trailers	1998..	1 507 167	4
		1997..	1 367 513	X
3362145	Camping trailers, campers, pickup covers, and parts	1998..	980 300	4
		1997..	861 807	X
336214W	Travel trailers and campers, nsk, total	1998..	371 127	9
		1997..	301 283	X
336311	Carburetors, pistons, piston rings and valves	1998..	2 550 106	1
		1997..	2 426 407	X
3363111	Carburetors, new and rebuilt (all types)	1998..	973 430	1
		1997..	935 569	X
3363113	Pistons, piston rings, and piston pins (engine)	1998..	1 086 820	3
		1997..	1 023 536	X
3363115	Valves (engine intake and exhaust)	1998..	432 475	1
		1997..	417 848	X
336311W	Carburetors, pistons, piston rings, and valves, nsk, total	1998..	57 381	21
		1997..	49 454	X
336312	Gasoline engines and engine parts	1998..	24 356 298	1
		1997..	25 442 018	X
3363121	Gasoline engines and gasoline engine parts for motor vehicles, new	1998..	23 390 709	1
		1997..	24 561 160	X
3363123	Gasoline engines and engine parts for motor vehicles, rebuilt	1998..	529 028	5
		1997..	498 923	X
336312W	Gasoline engine and engine parts, nsk, total	1998..	436 560	5
		1997..	381 935	X
336321	Vehicular lighting equipment	1998..	2 518 437	1
		1997..	2 696 783	X
3363210	Vehicular lighting equipment, electric (including parts and accessories)	1998..	2 518 437	65
		1997..	2 696 783	X
336322	Motor vehicle electrical and electronic equipment, nec	1998..	15 830 856	1
		1997..	15 672 911	X
3363221	Ignition harness and cable sets	1998..	958 789	9
		1997..	863 850	X
3363223	Battery charging alternators, generators, and regulators	1998..	2 224 988	1
		1997..	2 185 691	X
3363225	Cranking motors (starters)	1998..	768 282	1
		1997..	752 272	X
3363227	Spark plugs (all types)	1998..	488 739	1
		1997..	479 376	X
3363229	Complete engine electrical equipment, nec	1998..	2 963 913	1
		1997..	3 084 558	X
336322A	Parts for engine electrical and electronic equipment	1998..	418 653	11
		1997..	526 563	X
336322C	Motor vehicle electrical and electronic equipment, except engine electrical equipment	1998..	5 985 383	3
		1997..	6 204 113	X
336322W	Motor vehicle electrical and electronic equipment, nsk, total	1998..	2 022 110	2
		1997..	1 576 488	X
336330	Motor vehicle steering and suspension components, except springs	1998..	10 001 970	1
		1997..	9 810 765	X
3363301	Motor vehicle steering and suspension components, new	1998..	9 681 988	1
		1997..	9 563 993	X
3363303	Motor vehicle steering and suspension components, rebuilt	1998..	195 372	11
		1997..	178 508	X
336330W	Motor vehicle steering and suspension components, nsk, total	1998..	124 610	61
		1997..	68 264	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
336340	Motor vehicle brake systems	1998..	10 193 350	1
		1997..	10 449 768	X
3363401	Motor vehicle brake parts and assemblies, new	1998..	9 666 595	1
		1997..	9 901 659	X
3363403	Motor vehicle brake parts and assemblies, rebuilt	1998..	424 782	3
		1997..	464 353	X
336340W	Motor vehicle brake systems, nsk, total	1998..	101 973	25
		1997..	83 756	X
336350	Motor vehicle transmissions and power train parts	1998..	32 914 319	1
		1997..	31 436 013	X
3363501	Motor vehicle drive train components, except wheels and brakes, new	1998..	32 102 004	1
		1997..	30 683 100	X
3363503	Motor vehicle drive train components, rebuilt	1998..	571 001	7
		1997..	529 550	X
336350W	Motor vehicle transmission and drive train part manufacturing, nsk, total	1998..	241 314	28
		1997..	223 363	X
336360	Motor vehicle fabric accessories and seats	1998..	12 098 020	1
		1997..	11 531 414	X
3363601	Automobile trimmings	1998..	4 032 354	1
		1997..	3 969 067	X
3363602	Fabricated seat or safety belts, including shoulder harnesses (except leather)	1998..	449 247	2
		1997..	508 052	X
3363603	Seats for public conveyance and aircraft	1998..	7 471 112	2
		1997..	6 892 217	X
336360W	Motor vehicle fabric accessories and seats, nsk	1998..	145 307	14
		1997..	162 078	X
336370	Motor vehicle metal stampings	1998..	23 049 686	1
		1997..	22 714 541	X
3363700	Automotive job stampings (truck, bus, and passenger car)	1998..	23 049 686	28
		1997..	22 714 541	X
336391	Motor vehicle air-conditioning units and systems	1998..	4 315 722	2
		1997..	4 225 742	X
3363917	Motor vehicle mechanical air-conditioning systems	1998..	2 352 060	3
		1997..	2 266 279	X
336391B	Automotive air-conditioning compressors (open-type, with or without motor)	1998..	1 937 535	1
		1997..	1 937 805	X
336391W	Refrigeration and heating equipment, nsk, total	1998..	26 127	1
		1997..	21 658	X
336399	Motor vehicle parts, nec	1998..	37 835 036	1
		1997..	35 796 254	X
3363991	Filters for internal combustion engines and motor vehicles, new	1998..	2 550 667	2
		1997..	2 463 396	X
3363993	Exhaust system parts, new	1998..	5 109 487	1
		1997..	5 033 227	X
3363995	Motor vehicle wheels, new	1998..	3 327 548	1
		1997..	3 418 304	X
3363997	Other motor vehicle parts and accessories, new and rebuilt	1998..	23 815 067	1
		1997..	22 950 354	X
336399W	Other motor vehicle parts and accessories, nsk, total	1998..	3 032 286	11
		1997..	1 930 973	X
336411	Aircraft	1998..	62 211 170	1
		1997..	51 492 747	X
3364111	Military aircraft (including all aircraft for U.S. military and any other aircraft built to military specifications)	1998..	12 279 968	1
		1997..	11 899 471	X
3364113	Civilian aircraft@	1998..	41 185 535	1
		1997..	30 690 008	X
3364115	Modification, conversion, and overhaul of previously accepted aircraft	1998..	5 066 893	1
		1997..	5 091 840	X
3364117	Other aeronautical services on complete aircraft, nec	1998..	3 255 610	1
		1997..	3 413 659	X
336411W	Aircraft manufacturing, nsk, total	1998..	423 164	30
		1997..	397 769	X
336412	Aircraft engines and engine parts	1998..	22 594 979	1
		1997..	20 073 900	X
3364121	Military aircraft engines (and any other aircraft built to military specifications)	1998..	2 019 362	2
		1997..	1 714 270	X
3364123	Civilian aircraft engines@	1998..	6 393 269	1
		1997..	5 372 076	X
3364125	Aeronautical services on aircraft engines	1998..	3 339 315	1
		1997..	3 212 565	X
3364127	Aircraft engine parts and accessories	1998..	10 507 753	1
		1997..	9 358 622	X
336412W	Aircraft engines and engine parts manufacturing, nsk, total	1998..	335 280	38
		1997..	416 367	X
336413	Aircraft parts and auxiliary equipment, nec	1998..	27 300 665	1
		1997..	22 981 719	X
3364131	Aircraft propellers and helicopter rotors	1998..	1 192 643	1
		1997..	1 011 234	X
3364133	Research and development on aircraft parts (except engines)	1998..	1 540 042	1
		1997..	1 120 600	X
3364135	Aircraft parts and auxiliary equipment, excluding hydraulic and pneumatic subassemblies and engines	1998..	23 270 081	1
		1997..	19 855 101	X
336413W	Aircraft parts and auxiliary equipment, nec, nsk, total	1998..	1 297 900	21
		1997..	994 784	X
336414	Guided missiles and space vehicles	1998..	12 242 841	1
		1997..	12 465 433	X
3364141	Complete guided missiles	1998..	1 977 967	1
		1997..	1 689 379	X
3364143	Research and development on complete guided missiles	1998..	1 565 363	1
		1997..	2 271 322	X
3364145	Other services on complete guided missiles	1998..	D	X
		1997..	D	X
3364147	Complete space vehicles (excluding propulsion systems)	1998..	D	X
		1997..	D	X
3364149	Research and development on complete space vehicles	1998..	697 354	1
		1997..	729 855	X
336414A	All other services on complete space vehicles	1998..	998 299	1
		1997..	1 099 673	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
336414	Guided missiles and space vehicles—Con.		
336414W	Guided missile and space vehicle manufacturing, nsk, total	1998.. 8 962 1997.. 9 645	1 X
336415	Guided missile and space vehicle propulsion units and propulsion unit parts	1998.. 2 811 563 1997.. 3 062 975	1 X
3364151	Complete missile or space vehicle engines and-or propulsion units	1998.. 1 534 933 1997.. 1 600 424	1 X
3364153	Research and development on complete missile or space vehicle engines and-or propulsion units	1998.. 593 348 1997.. 646 006	1 X
3364155	Other services on complete missile or space vehicle engines and-or propulsion units	1998.. 333 571 1997.. 323 683	1 X
3364157	Missile and space vehicle engine and-or propulsion parts and accessories	1998.. 336 280 1997.. 461 637	1 X
336415W	Space propulsion units and parts, nsk, total	1998.. 13 431 1997.. 31 225	A X
336419	Guided missile and space vehicle parts and auxiliary equipment, nec	1998.. 2 917 946 1997.. 2 874 098	1 X
3364191	Missile and space vehicle components, parts, and subassemblies	1998.. 2 512 134 1997.. 2 524 433	1 X
3364193	Research and development on missile and space vehicle parts and components, nec	1998.. 371 587 1997.. 329 406	1 X
336419W	Other guided missile and space vehicle parts and auxiliary equipment, nsk	1998.. 34 225 1997.. 20 259	76 X
336510	Railroad equipment	1998.. 8 618 775 1997.. 7 697 669	1 X
3365101	Locomotives, both new and rebuilt, and parts	1998.. 3 016 517 1997.. 2 952 659	1 X
3365103	New freight train and passenger train cars, excluding parts	1998.. 3 424 135 1997.. 2 889 896	1 X
3365105	Street, subway, trolley, and rapid transit cars, all rebuilt railcars, and parts for all railcars	1998.. 2 024 835 1997.. 1 741 406	3 X
336510W	Railroad rolling stock manufacturing, nsk, total	1998.. 153 287 1997.. 113 708	5 X
336611	Ship building and repairing	1998.. 10 786 990 1997.. 10 298 562	1 X
3366111	Nonpropelled ships and barges, new construction	1998.. 912 815 1997.. 837 420	5 X
3366113	Military, self-propelled ships, including combat ships, troop transport vessels, fleet auxiliaries, and service craft, new construction	1998.. 5 393 109 1997.. 4 780 490	1 X
3366115	Self-propelled ships, nonmilitary, new construction	1998.. 1 103 152 1997.. 1 025 896	3 X
3366117	Ship repair, military	1998.. 1 797 321 1997.. 2 136 185	2 X
3366119	Ship repair, nonmilitary	1998.. 1 057 908 1997.. 1 046 560	11 X
336611W	Ship building and repairing, nsk, total	1998.. 522 686 1997.. 472 011	7 X
336612	Boat building	1998.. 5 483 006 1997.. 5 196 128	2 X
3366121	Outboard motorboats, including commercial and military (except sailboats and lifeboats)	1998.. 1 741 074 1997.. 1 668 062	3 X
3366123	Inboard motorboats, including commercial and military (except sailboats and lifeboats)	1998.. 1 401 384 1997.. 1 285 343	1 X
3366125	Inboard-outdrive boats, including commercial and military (except sailboats and lifeboats)	1998.. 1 582 489 1997.. 1 453 291	3 X
3366127	All other boats, nec (excluding military and commercial)	1998.. 385 296 1997.. 376 515	11 X
336612W	Boat building, nsk, total	1998.. 372 783 1997.. 412 917	67 X
336991	Motorcycles, bicycles, and parts	1998.. 3 145 956 1997.. 3 091 863	3 X
3369911	Bicycles and parts (excluding children's two-wheel sidewalk cycles with solid or semipneumatic tires)	1998.. 1 026 994 1997.. 1 216 921	1 X
3369913	Motorcycles, including three-wheel, motorbikes, motor scooters, mopeds, and parts (including sidecars)	1998.. 1 903 812 1997.. 1 681 777	4 X
336991W	Motorcycle, bicycle, and parts manufacturing, nsk, total	1998.. 215 149 1997.. 193 165	38 X
336992	Military armored vehicles, tanks, and tank components	1998.. 1 258 877 1997.. 1 193 607	1 X
3369920	Military armored vehicles, tank, and tank components	1998.. 1 258 877 1997.. 1 193 607	1 X
336999	Transportation equipment, nec	1998.. 4 534 078 1997.. 4 156 015	1 X
3369991	Self-propelled golf carts and industrial in-plant personnel carriers, and parts	1998.. 789 610 1997.. 798 551	1 X
3369993	Transportation equipment, nec, including all-terrain vehicles	1998.. 3 443 511 1997.. 3 095 042	1 X
336999W	Other miscellaneous transportation equipment manufacturing, nsk, total	1998.. 300 957 1997.. 262 422	14 X
337110	Wood kitchen cabinets and countertops	1998.. 9 533 132 1997.. 8 549 953	1 X
3371101	Wood kitchen cabinets and cabinetwork, stock line	1998.. 3 609 673 1997.. 3 178 070	2 X
3371104	Wood kitchen cabinets and cabinetwork, custom, except sold directly to customer at retail	1998.. 1 950 321 1997.. 1 826 099	4 X
3371107	Wood vanities and other cabinetwork	1998.. 915 044 1997.. 864 855	2 X
337110A	Plastics laminated wood kitchen cabinet tops	1998.. 695 455 1997.. 678 198	10 X
337110E	Plastics laminated fixture tops (including drainboards and tops for sinks, cabinets, counters, and fixtures), except kitchen	1998.. 159 698 1997.. 131 544	15 X
337110H	Wood kitchen cabinets and cabinetwork (permanent installation), custom, sold directly to customer at retail	1998.. 443 394 1997.. 394 259	8 X
337110W	Wood kitchen cabinet and countertops, nsk, total	1998.. 1 759 546 1997.. 1 476 928	9 X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
337121	Upholstered household furniture	1998..	9 278 138	2
		1997..	8 169 442	X
3371211	Upholstered household furniture, except dual-purpose sleep furniture	1998..	8 176 950	2
		1997..	7 067 771	X
3371214	Dual-purpose sleep furniture, including convertible sofas, jackknife sofa beds and chair beds, studio couches, and futons shipped with frames	1998..	421 583	3
		1997..	482 873	X
337121W	Upholstered household furniture, nsk, total	1998..	679 605	47
		1997..	618 798	X
337122	Nonupholstered wood household furniture	1998..	11 135 142	2
		1997..	10 256 912	X
3371221	Wood living room, library, family room, and den furniture, nonupholstered	1998..	2 556 506	5
		1997..	2 262 477	X
3371224	Wood dining room and kitchen furniture, except kitchen cabinets	1998..	1 659 934	2
		1997..	1 568 290	X
3371227	Wood bedroom furniture	1998..	3 676 030	1
		1997..	3 328 691	X
337122A	Infants' and children's wood furniture	1998..	292 457	8
		1997..	313 892	X
337122E	Wood outdoor furniture, unpainted wood furniture, and ready-to-assemble wood furniture	1998..	1 761 553	2
		1997..	1 670 372	X
337122W	Nonupholstered wood household furniture, nsk, total	1998..	1 188 663	19
		1997..	1 113 190	X
337124	Metal household furniture	1998..	2 467 562	3
		1997..	2 227 220	X
3371241	Household dining room and kitchen furniture, metal	1998..	323 500	8
		1997..	365 034	X
3371244	Porch, lawn, outdoor, and casual furniture, metal	1998..	811 087	8
		1997..	699 808	X
3371247	Other household furniture, metal	1998..	1 093 788	4
		1997..	950 428	X
337124W	Household furniture, metal, nsk, total	1998..	239 187	26
		1997..	211 950	X
337125	Household furniture, except wood and metal	1998..	591 089	3
		1997..	603 416	X
3371250	Household furniture, except wood and metal	1998..	591 089	9
		1997..	603 416	X
337127	Institutional furniture	1998..	4 363 074	3
		1997..	3 883 359	X
3371271	School furniture, except stone and concrete, excluding library furniture	1998..	704 947	6
		1997..	610 932	X
3371274	Public building furniture, except school and restaurant furniture	1998..	1 086 968	2
		1997..	1 034 010	X
3371277	Furniture and fixtures, nec	1998..	1 256 062	3
		1997..	1 041 534	X
337127A	Other furniture, nec	1998..	928 859	11
		1997..	844 916	X
337127W	Institutional furniture manufacturing, nsk, total	1998..	386 237	15
		1997..	351 967	X
337129	Wood television, radio, phonograph, and sewing machine cabinets	1998..	519 468	9
		1997..	524 911	X
3371290	Wood television, radio, stereo, and sewing machine cabinets	1998..	519 468	9
		1997..	524 911	X
337211	Wood office furniture	1998..	3 500 742	3
		1997..	3 168 435	X
3372111	Wood office seating, including upholstered	1998..	608 697	8
		1997..	654 792	X
3372114	Wood office desks and extensions	1998..	660 770	5
		1997..	587 216	X
3372117	Wood office storage units, files, and tables	1998..	735 389	2
		1997..	633 140	X
337211A	Wood office panel, modular and desking systems furniture, and all other wood office furniture, nec	1998..	997 143	6
		1997..	731 878	X
337211W	Wood office furniture, nsk, total	1998..	498 743	12
		1997..	561 409	X
337212	Custom architectural woodwork, millwork, and fixtures	1998..	2 334 828	10
		1997..	2 060 843	X
3372120	Custom architectural woodwork, millwork, and fixtures	1998..	2 334 828	46
		1997..	2 060 843	X
337214	Office furniture, except wood	1998..	8 241 178	1
		1997..	8 003 600	X
3372141	Office seating, including upholstered, nonwood	1998..	1 772 924	3
		1997..	1 749 260	X
3372144	Office desks and extensions, nonwood	1998..	575 916	2
		1997..	413 570	X
3372147	Office storage units, files, and tables, nonwood	1998..	2 167 717	1
		1997..	2 053 910	X
337214A	Office panel and modular systems, and all other office furniture, nonwood, nec	1998..	3 420 892	1
		1997..	3 518 698	X
337214W	Office furniture, nonwood, nsk, total	1998..	303 729	2
		1997..	268 162	X
337215	Showcases, partitions, shelving, and lockers	1998..	7 895 424	3
		1997..	7 608 118	X
3372151	Wood partitions, shelving, and lockers, except custom	1998..	178 241	2
		1997..	213 112	X
3372154	Wood fixtures for stores, banks, and offices, and other miscellaneous fixtures, except custom	1998..	1 474 881	4
		1997..	1 533 707	X
3372157	Prefabricated partitions, assembled or knocked-down, nonwood	1998..	292 678	3
		1997..	276 894	X
337215A	Shelving and lockers, nonwood	1998..	1 347 685	1
		1997..	1 169 795	X
337215E	Storage racks and accessories, nonwood	1998..	1 381 752	11
		1997..	1 134 747	X
337215H	Fixtures for stores, banks, and offices, and miscellaneous fixtures, nonwood	1998..	1 918 055	6
		1997..	1 859 786	X
337215K	Wood furniture frames for household furniture, including frames for upholstered furniture	1998..	221 950	42
		1997..	363 367	X
337215W	Showcases, partitions, shelving, and lockers, nsk, total	1998..	1 080 182	18
		1997..	1 056 710	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
337910	Mattresses	1998..	4 237 693	2
		1997..	3 843 983	X
3379101	Innerspring mattresses, except crib-size, inc with polyurethane or rubber topper pads and those sold as part of Hollywood beds, except inserts	1998..	2 334 949	3
		1997..	2 122 666	X
3379104	Other mattresses, including crib mattresses and mattress inserts	1998..	351 083	6
		1997..	341 860	X
3379107	Foundations, excluding innerspring units and those incorporated into hybrid-type flotation and adjustable ensembles.....	1998..	1 216 480	2
		1997..	1 120 252	X
337910A	Sleep system ensembles, excluding conventional waterbeds.....	1998..	79 100	16
		1997..	73 357	X
337910W	Mattresses and foundations, nsk, total	1998..	256 080	9
		1997..	185 848	X
337920	Draper hardware and blinds and shades	1998..	2 570 684	6
		1997..	2 174 368	X
3379201	Window shades and accessories	1998..	605 838	23
		1997..	370 197	X
3379204	Venetian blinds	1998..	1 215 509	3
		1997..	1 101 463	X
3379207	Other shades and blinds, nec, and curtain and drapery rods, poles, and fixtures	1998..	589 591	6
		1997..	506 840	X
337920W	Draper hardware and blinds and shades, nsk, total	1998..	159 746	68
		1997..	195 868	X
339111	Laboratory apparatus and furniture	1998..	2 505 635	3
		1997..	2 106 918	X
3391110	Laboratory apparatus and furniture@	1998..	2 505 635	7
		1997..	2 106 918	X
339112	Surgical and medical instruments	1998..	18 746 444	1
		1997..	17 480 124	X
3391121	Surgical and medical instruments and apparatus	1998..	16 810 347	1
		1997..	15 652 253	X
3391123	Hospital furniture	1998..	464 698	7
		1997..	508 732	X
339112W	Surgical and medical instrument manufacturing, nsk, total	1998..	1 471 400	15
		1997..	1 319 139	X
339113	Surgical appliances and supplies	1998..	16 143 299	2
		1997..	13 507 551	X
3391131	Surgical, orthopedic, prosthetic, and therapeutic appliances and supplies.....	1998..	12 552 571	2
		1997..	10 355 078	X
3391135	Personal industrial safety devices	1998..	1 799 836	5
		1997..	1 650 086	X
3391137	Hospital beds	1998..	555 183	1
		1997..	493 586	X
339113W	Surgical appliances and supplies manufacturing, nsk	1998..	1 235 709	14
		1997..	1 008 801	X
339114	Dental equipment and supplies	1998..	2 457 142	3
		1997..	2 365 657	X
3391141	Dental professional equipment and supplies	1998..	1 673 735	3
		1997..	1 602 093	X
3391143	Dental laboratory equipment and supplies	1998..	565 016	6
		1997..	501 294	X
339114W	Dental equipment and supplies manufacturing, nsk, total	1998..	218 391	44
		1997..	262 270	X
339115	Ophthalmic goods	1998..	3 546 292	2
		1997..	3 352 086	X
3391151	Ophthalmic fronts and temples	1998..	147 278	1
		1997..	122 982	X
3391153	Glass ophthalmic focus lenses	1998..	50 976	83
		1997..	106 607	X
3391155	Plastics ophthalmic focus lenses	1998..	688 972	6
		1997..	602 249	X
3391157	Contact lenses	1998..	1 424 460	1
		1997..	1 440 702	X
339115B	Ophthalmic goods (except fronts, temples, and lenses) and grinding of lenses to prescription (except 1-hour labs)	1998..	856 550	1
		1997..	742 135	X
339115W	Ophthalmic goods, nsk, total	1998..	378 056	12
		1997..	337 411	X
339116	Dental laboratories	1998..	3 085 218	2
		1997..	2 716 307	X
3391160	Dentures, artificial teeth, and orthodontic appliances manufactured to order for the dental profession (prescription basis)	1998..	3 085 218	32
		1997..	2 716 307	X
339911	Jewelry, precious metal	1998..	4 606 459	4
		1997..	4 730 622	X
3399111	Jewelry, made of platinum metals and karat gold	1998..	2 730 717	4
		1997..	3 236 128	X
3399113	Jewelry, made of silver (including platinum metals and karat gold clad to silver)	1998..	461 915	18
		1997..	406 244	X
3399115	Other jewelry, except costume	1998..	430 161	4
		1997..	456 493	X
339911W	Jewelry, precious metals, nsk, total	1998..	983 666	41
		1997..	631 757	X
339912	Silverware and platedware	1998..	537 268	5
		1997..	619 824	X
3399121	Hollowware (including toiletware, ecclesiastical ware, novelties, trophies, baby goods, and other platedware)	1998..	164 787	16
		1997..	233 023	X
3399123	Flatware (including all knives, forks, spoons, and carving sets made wholly of metal).....	1998..	331 216	2
		1997..	352 740	X
339912W	Flatware (including all knives, forks, spoons, and carving sets made wholly of metal), nsk, total	1998..	41 266	25
		1997..	34 061	X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
339913	Jewelers' materials and lapidary work	1998.. 897 896 1997.. 864 844	5 X
3399131	Diamonds (inc industrial) and other precious, semiprecious, and synthetic stones cut or polished in the plant for jewelry purposes	1998.. 280 201 1997.. 253 616	3 X
3399133	Jewelers' findings and materials of precious metal	1998.. 375 924 1997.. 417 111	8 X
3399135	Jewelers' findings and shop-stock products made of base metal not clad with precious metal	1998.. 63 965 1997.. 68 348	4 X
339913W	Jewelers' materials and lapidary work, nsk, total	1998.. 177 805 1997.. 125 769	52 X
339914	Costume jewelry and novelties	1998.. 1 185 489 1997.. 1 240 512	4 X
3399140	Costume jewelry and costume novelties (except precious metal)	1998.. 1 185 489 1997.. 1 240 512	6 X
339920	Sporting and athletic goods	1998.. 10 173 043 1997.. 9 626 672	7 X
3399201	Fishing tackle and equipment	1998.. 580 195 1997.. 682 467	5 X
3399203	Golf equipment	1998.. 3 523 604 1997.. 2 926 222	12 X
3399205	Playground equipment	1998.. 649 823 1997.. 748 420	4 X
3399207	Gymnasium and exercise equipment	1998.. 1 674 104 1997.. 1 243 564	5 X
3399209	Other sporting and athletic goods	1998.. 2 736 021 1997.. 3 081 017	4 X
339920W	Sporting and athletic goods, nec, nsk	1998.. 1 009 297 1997.. 944 982	A X
339931	Dolls and stuffed toys	1998.. 271 478 1997.. 296 369	15 X
3399310	Dolls and toy animals, including accessories	1998.. 271 478 1997.. 296 369	43 X
339932	Games, toys, and children's vehicles	1998.. 3 910 450 1997.. 3 922 244	5 X
3399321	Baby carriages and children's vehicles, except bicycles with pneumatic tires	1998.. 485 609 1997.. 560 890	4 X
3399323	Toys, excluding games, hobbies, and electronic toys	1998.. 1 627 670 1997.. 1 499 853	11 X
3399325	Models (operating or static), craft, structural, and scientific equipment kits, sets, and individual units	1998.. 499 202 1997.. 651 771	5 X
3399327	Nonelectronic games	1998.. 461 418 1997.. 637 432	15 X
3399329	Electronic games and toys (excluding disks, tapes, and cartridges)	1998.. 130 623 1997.. 178 561	7 X
339932W	Games, toys, and children's vehicles, nsk	1998.. 705 926 1997.. 393 737	27 X
339941	Pens and mechanical pencils	1998.. 1 868 520 1997.. 1 605 955	3 X
3399411	Pens	1998.. 822 537 1997.. 811 489	3 X
3399413	Markers	1998.. 712 707 1997.. 488 449	5 X
3399415	Other pens, mechanical pencils, and parts	1998.. 232 358 1997.. 254 336	9 X
339941W	Pens and mechanical pencils, nsk	1998.. 100 919 1997.. 51 681	28 X
339942	Lead pencils and art goods	1998.. 1 240 445 1997.. 1 080 531	2 X
3399421	Blackboards	1998.. 454 763 1997.. 498 452	5 X
3399423	Artists' equipment	1998.. 329 054 1997.. 294 388	2 X
3399425	Lead pencil and art goods manufacturing, nec	1998.. 337 148 1997.. 194 039	5 X
339942W	Lead pencils and art goods, nsk	1998.. 119 479 1997.. 93 652	26 X
339943	Marking devices	1998.. 545 412 1997.. 627 328	18 X
3399430	Hand stamps, stencils, and other marking devices	1998.. 545 412 1997.. 627 328	22 X
339944	Carbon paper and inked ribbons	1998.. 1 050 439 1997.. 837 600	15 X
3399441	Inked ribbons	1998.. 767 244 1997.. 708 190	7 X
3399443	Carbon paper, stencil paper, etc	1998.. 223 307 1997.. 86 801	65 X
339944W	Carbon paper and inked ribbons, nsk, total	1998.. 59 888 1997.. 42 609	12 X
339950	Signs	1998.. 7 364 121 1997.. 7 158 188	12 X
3399501	Electric signs	1998.. 2 383 634 1997.. 1 960 024	26 X
3399503	Nonelectric signs, including counter and floor displays, point-of-purchase, and other signs and displays	1998.. 2 313 980 1997.. 2 372 398	7 X
3399505	Advertising specialties	1998.. 1 274 432 1997.. 1 250 230	11 X
339950W	Signs, nsk, total	1998.. 1 392 076 1997.. 1 575 536	A X

See footnotes at end of table.

Value of Shipments for Product Classes: 1998 and 1997—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
339991	Gaskets, packing, and sealing devices	1998..	4 805 383	4
		1997..	4 830 615	X
3399911	Compression packings	1998..	196 199	4
		1997..	207 465	X
3399913	Nonmetallic gaskets and gasketing	1998..	1 009 359	12
		1997..	1 217 391	X
3399915	Molded packings and seals	1998..	998 069	5
		1997..	1 049 253	X
3399917	Metallic gaskets and machined seals	1998..	871 240	3
		1997..	846 874	X
3399918	Axial mechanical face seals	1998..	243 296	10
		1997..	264 966	X
3399919	Rotary oil seals	1998..	638 788	1
		1997..	681 941	X
339991W	Gaskets, packings, and sealing devices, nsk, total	1998..	848 432	34
		1997..	562 725	X
339992	Musical Instruments	1998..	1 312 684	5
		1997..	1 280 536	X
3399921	Pianos	1998..	187 361	5
		1997..	185 738	X
3399923	Organs	1998..	134 270	25
		1997..	88 842	X
3399925	Piano and organ parts	1998..	57 117	4
		1997..	59 300	X
3399927	Other musical instruments and parts	1998..	825 096	5
		1997..	828 532	X
339992W	Musical instruments, nsk	1998..	108 840	A
		1997..	118 124	X
339993	Fasteners, buttons, needles and pins	1998..	798 546	2
		1997..	803 719	X
3399931	Buttons and parts (except precious or semiprecious metals and precious or semiprecious stones)	1998..	234 893	7
		1997..	199 707	X
3399933	Zippers and slide fasteners	1998..	245 938	1
		1997..	249 546	X
3399935	Needles, pins, fasteners (except slide), and similar notions	1998..	223 336	1
		1997..	311 403	X
339993W	Fasteners, buttons, needles, and pins, nsk, total	1998..	94 379	15
		1997..	43 063	X
339994	Brooms, brushes, and mops	1998..	2 017 130	7
		1997..	1 964 428	X
3399941	Brooms, mops, and dusters	1998..	574 479	9
		1997..	633 008	X
3399943	Paint and varnish brushes, rollers, and pads	1998..	280 148	46
		1997..	403 195	X
3399945	Other brushes	1998..	1 092 257	1
		1997..	872 801	X
339994W	Brooms, brushes, and mops, nsk, total	1998..	70 247	13
		1997..	55 424	X
339995	Burial caskets	1998..	1 229 691	1
		1997..	1 219 469	X
3399951	Metal burial caskets and coffins, completely lined and trimmed, adult sizes only	1998..	725 867	1
		1997..	748 867	X
3399953	Wood burial caskets and coffins, completely lined and trimmed, adult sizes only	1998..	323 501	1
		1997..	317 604	X
3399955	Other burial caskets and coffins and metal vaults	1998..	122 617	13
		1997..	107 560	X
339995W	Burial caskets, nsk, total	1998..	57 706	31
		1997..	45 438	X
339999	All other miscellaneous fabrications	1998..	8 320 051	1
		1997..	7 491 733	X
3399991	Chemical fire-extinguishing equipment and parts	1998..	578 002	2
		1997..	543 864	X
3399993	Coin-operated amusement machines	1998..	731 524	2
		1997..	866 254	X
3399995	Candles (including tapers)	1998..	1 005 976	2
		1997..	924 767	X
3399997	Umbrellas and parasols (including parts)	1998..	73 574	4
		1997..	70 313	X
3399999	Feathers, plumes, and artificial flowers	1998..	291 344	11
		1997..	249 092	X
339999C	Mirror and picture frames	1998..	1 149 289	1
		1997..	1 078 134	X
339999H	Miscellaneous fabricated products, nec	1998..	2 202 227	4
		1997..	2 236 080	X
339999W	Miscellaneous products, nsk	1998..	2 288 115	7
		1997..	1 523 229	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.

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

Note: 1997 data may differ from that published in 1997 Census of Manufactures industry series because of changes encountered in subsequent 1997 census review or revisions discovered during 1998 Annual Survey of Manufactures review.

Appendix A. Explanation of Terms

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

DESCRIPTION OF THE ASM SAMPLE

The ASM sample is selected at 5-year intervals beginning the second survey year subsequent to the census. The current sample was selected from the 1992 census and has been used since 1994. A new sample will be introduced for the 1999-2003 surveys.

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.

For the 1998 survey year, an extensive sample update to address the conversion from SIC to NAICS was not undertaken. Rather, a more limited approach was taken. Establishments in the existing ASM sample were assigned the appropriate NAICS industry code using their 1997 census data. Establishments that were no longer classified as manufacturing were removed from the ASM sample. Establishments that continued to be classified as manufacturing under the NAICS were assigned a NAICS industry code for estimation purposes and remained in the ASM. Finally, the population of establishments in the 1997 census that were newly classified into the manufacturing sector solely due to the conversion to NAICS was identified and a small sample of establishments elected for inclusion in the 1998 ASM.

In 1992, there were approximately 370,000 individual manufacturing establishments. For sample efficiency and cost considerations, the 1992 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 230,000 of the 370,000 establishments in the 1992 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 1994 survey, a new sample of approximately 58,000 individual establishments was selected from the mail stratum assembled from the 1992 census. Supplemental samples representing both 1993 and 1994 births (newly active establishments that were not included in the 1992 census) were also selected. Establishments selected for the sample are mailed an ASM survey questionnaire for each year through 1998.

The 1994-98 ASM sample design is similar to the one used since 1984. Companies in the 1992 Census of Manufactures with manufacturing shipments of at least \$500 million were defined as company certainties. For these large companies, each manufacturing establishment is included in the mail sample. For the 1994-98 sample, there are approximately 650 certainty companies collectively accounting for over 18,000 establishments.

For the remaining portion of the mail component of the survey, the establishment was defined as the sample unit. All establishments with 250 employees or more were defined as employment certainties. In addition, all establishments producing electronic computers were defined as certainties. Across these three arbitrary certainty classes, there were approximately 25,000 establishments included in the sample with certainty. Collectively, these certainty establishments accounted for approximately 80 percent of the total value of shipments in the 1992 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 1992 industry classification, its 1992 product class data, and the historical variability of the year-to-year estimates of the product class estimates. For each product class and industry, a desired reliability constraint was specified. 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) which permits us to prevent small establishments from being selected in consecutive samples without introducing a bias into the survey estimates.

Nonmail Component

The initial nonmail component of the survey was comprised of approximately 140,000 small, single-establishment companies that were tabulated as administrative records in the 1992 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 which 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 1992 (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 1993-1997 ASM estimates, the 1992 Census of Manufactures values serve as the base year. For the 1998 ASM, the base has been updated to the 1997 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 170,000 individual establishments in 1994, it accounts for less than 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 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
313210T.....	MQ313T....	Broadwoven Fabrics	
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	
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.....	
3152283.....	MQ315A....	Apparel.....	
3152311.....	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
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.....	
3159921.....	MA315D....	Gloves and Mittens.....	
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.....	MA325C....	Industrial Gases.....	
3251204.....	MA325C....	Industrial Gases.....	
3251207.....	MA325C....	Industrial Gases.....	
325120A.....	MA325C....	Industrial Gases.....	
325120D.....	MA325C....	Industrial Gases.....	
3251317.....	MA325A....	Inorganic Chemicals.....	
3251811.....	MA325A....	Inorganic Chemicals.....	
3251814.....	MA325A....	Inorganic Chemicals.....	
3251817.....	MA325A....	Inorganic Chemicals.....	
3251881.....	MA325B....	Fertilizer Materials.....	
3251884.....	MA325A....	Inorganic Chemicals.....	
3251887.....	MA325A....	Inorganic Chemicals.....	
325188A.....	MA325A....	Inorganic Chemicals.....	
325188G.....	MA325A....	Inorganic Chemicals.....	
3253111.....	MA325B....	Fertilizer Materials.....	
3253114.....	MA325B....	Fertilizer Materials.....	
3253121.....	MA325B....	Fertilizer Materials.....	
3253124.....	MA325A....	Inorganic Chemicals.....	
3253127.....	MA325B....	Fertilizer Materials.....	
3253140.....	.....	.....	3253140
3254121.....	MA325G....	Pharmaceutical Preparations.....	3253127
3254124.....	MA325G....	Pharmaceutical Preparations.....	
3254127.....	MA325G....	Pharmaceutical Preparations.....	
325412A.....	MA325G....	Pharmaceutical Preparations.....	
325412D.....	MA325G....	Pharmaceutical Preparations.....	
325412G.....	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
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	
3256121.....	MA325A....	Inorganic Chemicals	
325998H.....	MA325A....	Inorganic Chemicals	
3261996.....	MA315D....	Gloves and Mittens	
3262995.....	MA315D....	Gloves and Mittens	
3271210.....	MQ327D....	Clay Construction Products	
3271220.....	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.....	.....	.....	3272111
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.....	.....	.....	3312227
3312229.....	MA331B....	Steel Mill Products	3326183
331222B.....	.....	.....	332618B
3313121.....	.....	.....	3313141, 3313199
3313123.....	.....	.....	3313143, 331319C
3313141.....	.....	.....	3313121, 3313199
3313143.....	.....	.....	3313123, 331319C
3313145.....	M331D....	Aluminum Ingot and Mill Products	
3313191.....	.....	.....	3313197
3313197.....	.....	.....	3313191
3313199.....	.....	.....	3313121, 3313141
331319A.....	.....	.....	3314223, 3314917, 3326185
331319C.....	.....	.....	3313123, 3313143
3314110.....	.....	.....	3314230
3314193.....	.....	.....	3314927
3314197.....	.....	.....	3314929
3314199.....	.....	.....	3314923, 331492A
3314211.....	.....	.....	3314221

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
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
3321121	M331D	Aluminum Ingot and Mill Products	
3324391	MA332K	Steel Shipping Drums and Pails	
3326181	.....	.....	3312221
3326183	.....	.....	3312229
3326185	.....	.....	331319A, 3314223, 3314917
3326187	.....	.....	3312227
3326189	.....	.....	3312223
332618B	.....	.....	331222B
332911F	MA334B	Measurement Instruments and Related Products	
332911H	MA334B	Measurement 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	
333313D	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
3333141.....	MA334B....	Measurement Instruments and Related Products	
3333143.....	MA334B....	Measurement 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.....	
3342903.....	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
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....	Measurement 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....	Measurement Instruments and Related Products	
3345113.....	MA334B....	Measurement Instruments and Related Products	
3345120.....	MA334B....	Measurement Instruments and Related Products	
3345130.....	MA334B....	Measurement Instruments and Related Products	
3345141.....	MA334B....	Measurement Instruments and Related Products	
3345143.....	MA334B....	Measurement Instruments and Related Products	
3345145.....	MA334B....	Measurement Instruments and Related Products	
3345151.....	MA334B....	Measurement Instruments and Related Products	
3345153.....	MA334B....	Measurement Instruments and Related Products	
3345155.....	MA334B....	Measurement Instruments and Related Products	
3345160.....	MA334B....	Measurement Instruments and Related Products	
3345170.....	MA334S....	Electromedical and Irradiation Equipment	
3345191.....	MA334B....	Measurement Instruments and Related Products	
3345193.....	MA334B....	Measurement Instruments and Related Products	
3345195.....	MA334B....	Measurement Instruments and Related Products	
3345197.....	MA334B....	Measurement Instruments and Related Products	
3345199.....	MA334B....	Measurement 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	
3352285.....	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
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	
3362121.....	M336L.....	Truck Trailers	
3364113.....	M336G.....	Civil Aircraft and Aircraft Engines	
3364123.....	M336G.....	Civil Aircraft and Aircraft Engines	
3391110.....	MA334B....	Measurement Instruments and Related Products	
	MA333P....	Pumps and Compressors	

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