

16 DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES

General - The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in **2**. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies that are not listed, describe and report them in the "Cost of all other materials . . ." at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . ." Census material code 009700 99 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

Valuation of Materials Consumed - The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amount actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

Contract Work - Include all materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in **15**, line A5, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

Resales - Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in **15**, line A2, not in **16**. The value of these products shipped by this establishment should be reported in **2** under Census product code 000999 8900 6, "Resales."

INFORMATION COPY
DO NOT USE TO REPORT

Line No.	Materials, parts, and supplies	Census material code	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in)		
			\$ Bil.	Mil.	Thou.
0634		0630	0631		
1	Fabricated metal products (excluding castings and forgings)				
	Bolts, nuts, screws, washers, rivets, and other screw machine products	332722 03 2			
2	All other fabricated metal products	332000 95 9			
	Castings (rough and semifinished)				
3	Iron and steel	331510 01 6			
4	Nonferrous (aluminum, copper, etc.)	331520 11 4			
5	Forgings	332100 01 5			
	Shapes and forms (excluding castings, forgings, and fabricated metal products)				
	Steel				
6	Bars, bar shapes, and plate	331200 07 1			
7	Concrete reinforcing bars	331200 09 7			

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If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

16 DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES - Continued

Line No.	Materials, parts, and supplies	Census material code	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in)		
			\$ Bil.	Mil.	Thou.
0634		0630	0631		
	Shapes and forms (excluding castings, forgings, and fabricated metal products) - Continued				
	Steel - Continued				
8	Sheet and strip	331200 17 0			
9	Structural shapes	331200 69 1			
10	All other steel shapes and forms	331200 37 8			
11	Copper and copper-base alloy	331421 11 5			
	Aluminum and aluminum-base alloy				
12	Sheet, plate, foil, and welded tubing	331315 01 0			
13	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	331316 00 0			
14	All other aluminum and aluminum-base alloy shapes and forms, including refinery shapes (wire, rolled rod and bar, powder, ingot, slugs, billet, etc.)	331000 07 5			
15	All other nonferrous shapes and forms	331000 83 6			
16	Scrap; including iron, steel, and aluminum and aluminum-base alloy (excluding home scrap)	001900 60 4			
17	Flat glass (plate, float, and sheet)	327211 01 7			
18	Paperboard containers and corrugated paperboard	322210 01 4			
19	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied products	325510 03 0			
20	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↴	009700 99 8			
21	TOTAL (Should equal total reported in 15 , line A1)	771000 00 7			

17-21 Not Applicable.

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE

General - The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of 2. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

Valuation of Products - Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

Contract Work - Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census code 000930 0000 8.

Resales - Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census code 000999 8900 6, "Resales."

Line No.	Products and services	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
	0734	0730	0731		
	Air-conditioning ducts and stove pipe				
	Air-conditioning ducts (including dust collecting ducts)				
1	Steel	332322 1101 2			
2	Aluminum	332322 1106 1			
	Stove pipe, furnace smoke pipe, and elbows				
3	Steel	332322 1211 9			
4	Aluminum	332322 1216 8			
	Culverts, flumes, irrigation pipes, etc.				
5	Steel	332322 3101 0			
6	Aluminum	332322 3106 9			
7	Other metal	332322 3111 9			
	Metal roofing and roof drainage equipment				
	Metal roofing				
8	Steel, all types	332322 7101 6			
9	Aluminum and other metals, all types	332322 7206 3			
	Roof drainage equipment (including eave troughs, etc.)				
10	Steel	332322 7211 3			
11	Aluminum	332322 7216 2			
12	All other metals	332322 7221 2			
	Metal flooring and siding				
13	Fabricated metal flooring	332322 9201 2			

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
	0734	0730	0731		
	Metal flooring and siding - Continued				
	Metal siding				
14	Steel	332322 9106 3			
	Aluminum				
15	Residential (including mobile homes)	332322 9111 3			
16	Other (commercial, industrial, farm buildings, etc.)	332322 9116 2			
17	Other metals	332322 9121 2			
	Metal awnings, canopies, cornices, and soffits				
	Awnings, canopies, carports, and patios				
18	Steel	332322 A101 2			
19	Aluminum	332322 A106 1			
20	Cornices, skylights, domes, copings (steel and aluminum)	332322 A111 1			
21	Soffits, fascia, and shutters (steel and aluminum)	332322 A116 0			
	Electronic enclosures				
	Computer and peripheral equipment				
22	Steel	332322 C101 0			
23	Aluminum	332322 C206 7			
24	Other electronic enclosures (excluding computers; including machine and motor housings, panels, and guards) (steel and aluminum)	332322 C311 5			
	Other sheet metal work				
25	Roof ventilators	332322 E101 8			
26	Steel	332322 E107 5			
27	Aluminum	332322 E108 3			
28	Factory fabricated sheet metal cooling towers	332322 E109 1			
	Restaurant and hotel kitchen sheet metal equipment (table tops, drainboards, etc.)				
29	Steel	332322 E211 5			
30	Aluminum	332322 E321 2			

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued					
Line No.	Products and services	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
31	Other sheet metal work - Continued Other sheet metal work Steel (Specify kind of metal.) ↘	332322 E326 1			
32	Aluminum (Specify kind of metal.) ↘	332322 E331 1			
33	Metals, except steel and aluminum (Specify kind of metal.) ↘	332322 E336 0			
34	Nonload-bearing studs (iron, steel, and aluminum) (Specify kind.) ↘	332322 F101 7			
35	Load-bearing studs (iron, steel, and aluminum) (Specify kind.) ↘	332322 F102 5			
36	Fabricated iron and steel for buildings, industrial use	332312 1101 3			
37	Weldments and fabricated steel plate for purposes other than pipe, penstocks, tunnel lining, stacks, breeching, and shielding for use in nuclear reactor buildings	332313 0346 3			
38	Architectural and ornamental work (except curtain wall and other exterior panels) Warm air or air-conditioning grilles and registers Iron and steel	332323 1201 8			
39	Aluminum	332323 1106 9			
40	Stairs, staircases, and fire escapes Iron and steel	332323 3101 8			
41	Aluminum	332323 3106 7			
42	Studs, nonload and load-bearing iron, steel, and aluminum Nonload-bearing studs (iron, steel, and aluminum) (excluding fastners)	332323 5211 3			
43	Load-bearing studs (iron, steel, and aluminum) (excluding fastners)	332323 5216 2			
44	Other architectural and ornamental work, nsk (Specify kind.) ↘	332323 WYWW 2			

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
	0734	0730	0731			
45	Prefabricated metal building systems, industrial and commercial (excluding farm service buildings, residential buildings, and parts for prefabricated buildings)	332311 1201 3				
46	Bins and vats Grain, excluding drying floors, fans, and heaters (steel and aluminum)	332439 5101 0				
47	Other, including feed storage bins and sheet metal vats (steel and aluminum)	332439 5106 9				
48	Custom roll formed products Carbon steel	332114 0101 4				
49	Stainless steel	332114 0206 1				
50	Aluminum	332114 0311 9				
51	Other metals	332114 0416 6				
52	Receipts for machine shop job work and job order repairs	332710 0100 1				
53	Plastics corrugated and flat panels (except foam and reinforced plastics)	326199 8111 4				
54	Laminating steel for the trade	332813 0102 9				
55	Other metal furniture parts, including other metal furniture frames, excluding metal furniture hardware	337215 G351 8				
56	Job stampings, except automotive, nsk (Specify kind.) ↴	332116 1YVW 4				
57	Prefabricated and portable metal buildings and parts, nsk (Specify kind.) ↴	332311 3YVW 9				
58	Stamped and pressed metal end products, including vitreous enameled products, nsk (Specify kind.) ↴	332116 5YVW 0				
59	Metal windows and doors, nsk, (Specify kind.) ↴	332321 WYVW 6				
60	Metal tanks (heavy gauge), nsk (Specify kind.) ↴	332420 WYVW 6				

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued					
Line No.	Products and services	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
	0734	0730	0731		
61	Precision turned products, nsk, (Specify kind.) ↴	332721 WYWW 7			
62	Fabricated metal products, nec, nsk (Specify kind.) ↴	332999 WYWW 9			
63	All other products made in this establishment - Specify and report each product with sales value of \$50,000 or more that cannot be assigned to one of the "listed products and services". For all remaining products, write "Other" and report a single total value.	18			
64		26			
65		34			
66		42			
67		59			
68		67			
69	Contract work - Receipts for work done for others on their materials (Specify products worked on and kind of work.) ↴	000930 0000 8			
70	Miscellaneous receipts				
	Sales of scrap and refuse	000999 8013 8			
71	Receipts for research and developmental work	000999 8041 9			
72	Other miscellaneous receipts (including receipts for repair work, etc.) . .	000999 8098 9			
73	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in 15, line A2.)	000999 8900 6			
74	TOTAL (Should equal 4, line A)	770000 0000 8			

23-25 Not Applicable.

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26 SPECIAL INQUIRIES

SELECTED METALWORKING AND RELATED OPERATIONS

(Report the type(s) of operation(s) performed below and the approximate number of production workers on all shifts usually engaged in the specified operation.)

		Mark "X" if None	Number of production workers (on all shifts) usually employed when operated (estimate if necessary)
1.	Electroplating and other plating	<input type="checkbox"/>	
2.	Galvanizing and other hot dip coating of fabricated articles	<input type="checkbox"/>	
3.	Heat treating of metals for production purposes	<input type="checkbox"/>	
4.	Precision turned products (on screw machines, turning centers, and CNC equipment)	<input type="checkbox"/>	
5.	Machine shop	<input type="checkbox"/>	
6.	Tool and die shop (if separate from machine shop) for jigs, fixtures, dies, and other special tooling	<input type="checkbox"/>	
7.	Pattern shop (foundry patterns only - metal, wood, etc.)	<input type="checkbox"/>	
8.	Sheet metal work, aluminum or steel	<input type="checkbox"/>	
9.	Stamping and blanking of metals	<input type="checkbox"/>	
10.	Painting, lacquering, and enameling on metals	<input type="checkbox"/>	
11.	Welding of steel plate for manufacturing production	<input type="checkbox"/>	
12.	Welding repair shop	<input type="checkbox"/>	

27 Not Applicable.



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28 ESTABLISHMENT ACTIVITIES

A. Indicate activities that were performed by this establishment or were performed for this establishment by another company during 2002.
(Mark "X" ALL that apply.)

This activity was performed -			
By this establishment	By another establishment of this company	By another company	Not at all
0921 <input type="checkbox"/>	8071 <input type="checkbox"/>	0941 <input type="checkbox"/>	0961 <input type="checkbox"/>
1. Product design/engineering			
2. Order fulfillment			
0923 <input type="checkbox"/>	8072 <input type="checkbox"/>	0943 <input type="checkbox"/>	0963 <input type="checkbox"/>
a. Bundling or kitting (combining multiple items into a prepackaged product)			
0924 <input type="checkbox"/>	8073 <input type="checkbox"/>	0944 <input type="checkbox"/>	0964 <input type="checkbox"/>
b. Pick and pack (taking goods from inventory and packaging them to fill orders).			
0925 <input type="checkbox"/>	8074 <input type="checkbox"/>	0945 <input type="checkbox"/>	0965 <input type="checkbox"/>
c. Warehousing of finished products			
0926 <input type="checkbox"/>	8075 <input type="checkbox"/>	0946 <input type="checkbox"/>	0966 <input type="checkbox"/>
d. Breaking bulk (reducing large shipments into smaller portions for customers)			
0927 <input type="checkbox"/>	8076 <input type="checkbox"/>	0947 <input type="checkbox"/>	0967 <input type="checkbox"/>
e. Local delivery (within a city, town, or other local area, including adjoining towns and suburban areas)			
0928 <input type="checkbox"/>	8077 <input type="checkbox"/>	0948 <input type="checkbox"/>	0968 <input type="checkbox"/>
f. Long distance delivery (beyond local areas and commercial zones)			
0932 <input type="checkbox"/>	8078 <input type="checkbox"/>	0952 <input type="checkbox"/>	0972 <input type="checkbox"/>
g. Processing of returned merchandise			

B. During 2002 did this establishment:

- | | | |
|--|-----------------------------------|----------------------------------|
| 1. Manage inventory owned by this establishment AND held at this location? | 0936 <input type="checkbox"/> Yes | 0937 <input type="checkbox"/> No |
| 2. Manage inventory owned by this establishment BUT held at a customer's location? | 0956 <input type="checkbox"/> Yes | 0957 <input type="checkbox"/> No |
| 3. Manage inventory owned by another company BUT held at this location? | 0976 <input type="checkbox"/> Yes | 0977 <input type="checkbox"/> No |
| 4. Manage inventory owned by another company AND held somewhere other than at this location? | 0994 <input type="checkbox"/> Yes | 0995 <input type="checkbox"/> No |
| 5. Contract with another firm for any of your production using materials owned by this location? | 8041 <input type="checkbox"/> Yes | 8042 <input type="checkbox"/> No |
| 6. Send any partially completed products to a foreign facility for processing that were then returned to this establishment for completion? | 8044 <input type="checkbox"/> Yes | 8045 <input type="checkbox"/> No |
| 7. Manufacture products for a government to their specifications? | 8047 <input type="checkbox"/> Yes | 8048 <input type="checkbox"/> No |
| 8. Manufacture products for another business to their specifications? | 8016 <input type="checkbox"/> Yes | 8017 <input type="checkbox"/> No |
| 9. Manufacture products for a final retail customer to their specifications? | 8060 <input type="checkbox"/> Yes | 8062 <input type="checkbox"/> No |



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29 OPERATIONAL STATUS

Activity that best describes this establishment's status at the end of 2002
(Mark "X" only ONE box.)

- 0011 In operation
- 0012 Under construction, development, or exploration
- 0013 Temporarily or seasonally inactive
- 0014 Ceased operation - Give date at right →
- 0015 Sold or leased to another operator - Give date at right AND enter new name and mailing address below ↴

0018	Month	Day	Year

0060 Name of new owner or operator		0061 Employer Identification Number		
		Enter EIN of new owner (9 digits) →		
0062 Mailing address (number and street, P.O. Box, etc.)				
0063 City, town, village, etc.		0064 State	0065 ZIP Code	

Remarks (Please use this space for any explanations that may be essential in understanding your reported data.)

30 CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions.

Is the time period covered by this report a calendar year?

- 0078 Yes
- 0079 No - Enter time period covered →

FROM	Month	Year	TO	Month	Year
0070			0071		

0072 Name of person to contact regarding this report		0073 Title			

Telephone	Area code	Number		Extension	Fax	Area code	Number	
0074		-			0075		-	

0076 Internet e-mail address			Date completed	Month	Day	Year
			0069			

Thank you for completing your 2002 Economic Census form.

PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.

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