

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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

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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 forgings)				
	Sheet metal products (excluding stampings)	332000 A9 9			
2	Bolts, nuts, screws, rivets, washers, and screw machine products	332722 03 2			
3	All other fabricated metal products	332000 87 6			
4	Forgings	332100 01 5			
5	Castings (rough and semifinished)	331000 35 6			
	Shapes and forms (excluding castings, forgings, and fabricated metal products)				
	Steel				
6	Bars, bar shapes, and plate	331200 07 1			
7	Sheet and strip	331200 17 0			
8	Structural shapes and sheet piling	331200 19 6			
9	All other steel shapes and forms	331200 91 5			

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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				
	Nonferrous				
10	Nonferrous metal smelter and refinery shapes (including precious metal)	331400 01 0			
11	Aluminum and aluminum-base alloy, excluding wire	331000 61 2			
12	Copper and copper-base alloy, excluding wire	331421 23 0			
13	All other nonferrous shapes and forms	331000 81 0			
14	Nonferrous wire and cable, including magnet wire, bare or insulated wire, etc.	331000 87 7			
	Industrial electrical control equipment (received for incorporation only into other industrial electrical control equipment shipped as such by this plant)				
15	Purchased from other companies	335314 01 9			
16	Received from other plants of your company	335314 03 5			
17	Porcelain, steatite, and other ceramic electrical products	327113 01 5			
18	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	326100 13 8			
19	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	325211 05 0			
20	Switches (excluding snap, toggle, and push, and circuit breakers)	335313 01 1			
21	Resistors, capacitors, transformers, transducers, and other electronic-type components (excluding electron tubes and semiconductors)	001900 B5 7			
22	Semiconductors, microprocessors, memory, ASICS and power semiconductor devices	001900 B9 9			
23	Printed circuit boards for electronic circuitry (without inserted components)	334412 00 4			
24	Cost of all other materials and components, parts, containers, and supplies consumed (<i>Specify the principal materials, etc., included in this value.</i>) ↴	009700 99 8			
25	TOTAL (Should equal total reported in 16 , 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."

Detailed Data Reported Elsewhere - Items denoted by an asterisk (*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR form, the sum of the detailed products should equal the total reported on this form. For corresponding survey item codes, see paragraph 4, "Comparability," of CIR Instruction Manual.

NOTE: Only totals are requested; do not duplicate detail reported on the CIR.

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
1	Switchgear, except ducts and relays (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002.)*	335313 A100 0			
2	Power circuit breakers, all voltages (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002)*	335313 1100 0			
3	Low voltage panelboards and distribution boards and other switching and interrupting devices, 1000 volts or less (Report higher voltages on line 1.) (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002)*	335313 3100 8			
4	Fuses and fuse equipment less than 2,300 volts (excluding power distribution cut outs) (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002.)*	335313 5100 6			
5	Molded case circuit breakers, 1000 volts or less (Report higher voltages on line 1.) (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002)*	335313 7100 4			
6	Duct, including plug-in units and accessories, 1000 volts or less (Report higher voltages on line 1.) (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002)*	335313 9100 2			
7	Relays and industrial controls Relays for electronic circuitry, industrial control overload, and switchgear type (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002.)*	335314 1100 8			
8	Specific-purpose industrial controls (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002)*	335314 3100 6			

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

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
	Relays and industrial controls - Continued				
9	General-purpose industrial controls (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002)*	335314 5100 4			
10	Solenoids for industrial use (excluding solenoid-actuated regulating valves)	335999 6104 3			
11	Parts for industrial controls and motor-control accessories (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002)*	335314 7100 2			
12	Search and detection, navigation and guidance systems and equipment (Corresponds to value of shipments reported on CIR Form MA334B, Selected Instruments and Related Products, for 2002)*	334511 3100 8			
13	Automatic controls for regulating residential and commercial environments and appliances (Corresponds to value of shipments reported on CIR Form MA334B, Selected Instruments and Related Products, for 2002)*	334512 0100 9			
14	Process control instruments (Corresponds to value of shipments reported on CIR Form MA334B, Selected Instruments and Related Products, for 2002)*	334513 0100 7			
15	Instruments to measure electricity (Corresponds to value of shipments reported on CIR Form MA334B, Selected Instruments and Related Products, for 2002)*	334515 1100 1			
16	Electrical industrial apparatus (capacitors for industrial use, rectifying apparatus, and other electrical equipment for industrial use) (excluding electronic circuitry)	335999 WYWW 6			
	Current-carrying wiring devices				
17	Lampholders (Corresponds to value of shipments reported on CIR Form MA335K, Wiring Devices and Supplies, for 2002)*	335931 1100 9			
18	Convenience and power outlets, both general- and special-purpose (excluding pin- and sleeve-type) (Corresponds to value of shipments reported on CIR Form MA335K, Wiring Devices and Supplies, for 2002)*	335931 3100 7			
19	Switches for electrical circuitry (including vehicular switches) (Corresponds to value of shipments reported on CIR Form MA335K, Wiring Devices and Supplies, for 2002)*	335931 5100 5			
20	Metal contacts, precious and other (Corresponds to value of shipments reported on CIR Form MA335K, Wiring Devices and Supplies, for 2002)*	335931 7100 3			
21	Wire connectors for electrical circuitry (Corresponds to value of shipments reported on CIR Form MA335K, Wiring Devices and Supplies, for 2002)*	335931 9100 1			
22	Surge suppressors, designed for equipment operating on 110/120 volt circuits	335931 A142 1			
23	Other current-carrying wiring devices (including attachment plug caps, connector bodies, lightning arrestors, pin- and sleeve-convenience power outlets, etc.) (Corresponds to value of shipments reported on CIR Form MA335K, Wiring Devices and Supplies, for 2002)*	335931 A110 8			

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
24	Noncurrent-carrying wiring devices Pole and transmission line hardware (Corresponds to value of shipments reported on CIR Form MA335K, Wiring Devices and Supplies, for 2002)*	335932 1100 7			
25	Electrical conduit and conduit fittings (Corresponds to value of shipments reported on CIR Form MA335K, Wiring Devices and Supplies, for 2002)*	335932 3100 5			
26	Other noncurrent-carrying wiring devices and supplies (Corresponds to value of shipments reported on CIR Form MA335K, Wiring Devices and Supplies, for 2002)*	335932 5110 2			
27	Transformers (excluding electronic)	335311 WYWW 4			
28	All other products made in this establishment - <i>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.</i>	18			
29		26			
30		34			
31		42			
32		59			
33		67			
34	Contract work - Receipts for work done for others on their materials (<i>Specify products worked on and kind of work.</i>)	000930 0000 8			
35	Miscellaneous receipts (including receipts for repair work, scrap, refuse, etc.)	000999 8000 5			
36	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			
37	TOTAL (Should equal 4, line A)	770000 0000 8			

23-27 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 <input type="checkbox"/> In operation	0013 <input type="checkbox"/> Temporarily or seasonally inactive							
0012 <input type="checkbox"/> Under construction, development, or exploration	0014 <input type="checkbox"/> Ceased operation - Give date at right →	0018 <table border="1"> <tr> <th>Month</th> <th>Day</th> <th>Year</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Month	Day	Year			
Month	Day	Year						
	0015 <input type="checkbox"/> Sold or leased to another operator - Give date at right AND enter new name and mailing address below ↴	→						

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 0070	Month	Year	TO 0071	Month	Year

0072 Name of person to contact regarding this report 0073 Title

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

0076 Internet e-mail address Date completed
0069

	Month	Day	Year

Thank you for completing your 2002 Economic Census form.
PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.

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