

**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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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		
<b>1</b>	Fabricated metal products, including forgings . . . . .	332000 05 8			
<b>2</b>	Castings (rough and semifinished) . . . . .	331000 35 6			
	Shapes and forms (excluding castings, forgings, and fabricated metal products)				
	Steel				
<b>3</b>	Bars and bar shapes . . . . .	331200 71 7			
<b>4</b>	Sheet and strip . . . . .	331200 17 0			
<b>5</b>	Wire and wire products . . . . .	331200 25 3			
<b>6</b>	All other steel shapes and forms . . . . .	331200 35 2			
	Copper and copper-base alloy				
<b>7</b>	Rod, bar, and bar shapes . . . . .	331421 07 3			
<b>8</b>	All other copper and copper-base alloy shapes and forms . . . . .	331421 17 2			

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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		
<b>9</b>	Shapes and forms (excluding castings, forgings, and fabricated metal products) - Continued Aluminum and aluminum-base alloy Extruded shapes (including extruded rod, bar, pipe, tube, etc.) . . . . .	331316 00 0			
<b>10</b>	All other (wire, rolled rod and bar, powder, welded tubing, etc.) . . .	331000 59 6			
<b>11</b>	All other nonferrous shapes and forms . . . . .	331000 83 6			
<b>12</b>	Paperboard containers, boxes, and corrugated paperboard . . . . .	322210 01 4			
<b>13</b>	Special dies, tools, die sets, jigs, and fixtures (excluding cutting tools for machine tools) . . . . .	335100 00 4			
<b>14</b>	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↘	009700 99 8			
<b>15</b>	<b>TOTAL</b> (Should equal total reported in 16, line A1) . . . . .	771000 00 7			

**17-21** Not Applicable.

**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 22. 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."

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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		
	Aircraft (including aerospace) fasteners other than plastics (meets specifications for flying vehicles)				
	Externally threaded				
	Bolts				
<b>1</b>	Less than 161 KSI tensile . . . . .	332722 1101 3			
<b>2</b>	161 KSI tensile or more . . . . .	332722 1106 2			
<b>3</b>	Screws, all types; and studs, all types . . . . .	332722 1115 3			
	Internally threaded				
<b>4</b>	Locknuts (including flanged locknuts) . . . . .	332722 1145 0			
<b>5</b>	Other (including flanged nuts (all types excluding flanged locknuts), hex square nuts (all types), and sheet metal fasteners) . . . . .	332722 1159 1			
	Nonthreaded				
<b>6</b>	Washers, all types . . . . .	332722 1172 4			
<b>7</b>	Rivets, all types . . . . .	332722 1178 1			
<b>8</b>	Pins, all types . . . . .	332722 1184 9			
	Externally threaded metal fasteners (excluding aircraft types)				
	Bolts				
<b>9</b>	Mine roof bolts . . . . .	332722 3111 0			
<b>10</b>	Hex bolts (including heavy, tap-and-joint, excluding high-strength structural) . . . . .	332722 3122 7			
<b>11</b>	Other metal bolts (including square, round, plow, high-strength structural, and bent bolts) . . . . .	332722 3133 4			
	Screws				
<b>12</b>	Cap, set, machine, lag, flange, and self-locking . . . . .	332722 3144 1			
<b>13</b>	Tapping (including fillister, flat, hex, oval, and pan-and-truss; and wood, including flat, oval, and round) . . . . .	332722 3155 7			
<b>14</b>	Other externally threaded metal fasteners not mentioned above (including studs) . . . . .	332722 3199 5			
	Internally threaded metal fasteners (excluding aircraft types)				
	Nuts				
<b>15</b>	Hex (including flanges, double chamfered, washer face, flat, jam slotted, thick, castle, heavy, machine, and locking) . . . . .	332722 5104 3			
<b>16</b>	Square (including flat, washer, crowned, heavy, track, sleeve, and machine; sheet metal; weld; wing; and cage, anchor, or nut retainers)	332722 5129 0			
<b>17</b>	Other internally threaded metal fasteners not mentioned above including flanged nuts (all types excluding hex) and locknuts (all types excluding hex) . . . . .	332722 5189 4			

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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		
18	Nonthreaded metal fasteners (excluding aircraft types) Rivets Solid .....	332722 7109 0			
19	Tubular; split (including rivet caps) and blind .....	332722 7115 7			
20	Washers .....	332722 7135 5			
21	Other nonthreaded metal fasteners not mentioned above including pins (all types) .....	332722 7179 3			
22	Other cold heading products (or warm or hot-heading products; formed nonplastics, nonfastener parts, made on fastener machines) Automotive .....	332722 9115 5			
23	Household appliances (including radio and television) .....	332722 9135 3			
24	Aircraft .....	332722 9105 6			
25	All other (including ordnance) .....	332722 9199 9			
26	Precision turned products made on screw machine turning centers or CNC equipment For automotive use .....	332721 1100 7			
27	For other use (Specify kind.) ↴ .....	332721 5YWV 7			
28	Job stampings Automotive .....	336370 0100 0			
29	All other job stampings (Specify kind.) ↴ .....	332116 1YWV 4			
30	Heat treating of metal (heat treating, pickling, annealing, brazing, shot peening, tempering, etc.) .....	332811 0100 7			
31	Electroplating, plating, polishing, anodizing, and coloring .....	332813 0101 1			
32	Laminating steel for the trade .....	332813 0102 9			
33	Turnbuckles and hose clamps .....	332510 9197 2			
34	Receipts for machine shop job work and job order repairs .....	332710 0100 1			

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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		
<b>35</b>	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			
<b>36</b>		26			
<b>37</b>		34			
<b>38</b>		42			
<b>39</b>		59			
<b>40</b>		67			
<b>41</b>	Contract work - Receipts for work done for others on their materials ( <i>Specify products worked on and kind of work.</i> ) ↴	000930 0000 8			
<b>42</b>	Miscellaneous receipts				
	Sales of scrap and refuse . . . . .	000999 8013 8			
<b>43</b>	Other miscellaneous receipts (including receipts for repair work, etc.) . .	000999 8098 9			
<b>44</b>	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in <b>15</b> , line A2.) . . . . .	000999 8900 6			
<b>45</b>	<b>TOTAL</b> ( <i>Should equal <b>4</b>, line A</i> ) . . . . .	770000 0000 8			

**23-27** Not Applicable.



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

**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"/>
<b>1.</b> Product design/engineering . . . . .			
<b>2.</b> Order fulfillment			
0923 <input type="checkbox"/>	8072 <input type="checkbox"/>	0943 <input type="checkbox"/>	0963 <input type="checkbox"/>
<b>a.</b> 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>b.</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"/>
<b>c.</b> Warehousing of finished products . . . . .			
0926 <input type="checkbox"/>	8075 <input type="checkbox"/>	0946 <input type="checkbox"/>	0966 <input type="checkbox"/>
<b>d.</b> 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"/>
<b>e.</b> 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"/>
<b>f.</b> 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"/>
<b>g.</b> Processing of returned merchandise . . . . .			

**B.** During 2002 did this establishment:

- 1. Manage inventory owned by this establishment AND held at this location? . . . . . 0936  Yes                      0937  No
- 2. Manage inventory owned by this establishment BUT held at a customer's location?. . . . . 0956  Yes                      0957  No
- 3. Manage inventory owned by another company BUT held at this location? . . . . . 0976  Yes                      0977  No
- 4. Manage inventory owned by another company AND held somewhere other than at this location?. . . . . 0994  Yes                      0995  No
- 5. Contract with another firm for any of your production using materials owned by this location? . . . . . 8041  Yes                      8042  No
- 6. Send any partially completed products to a foreign facility for processing that were then returned to this establishment for completion? . . . . . 8044  Yes                      8045  No
- 7. Manufacture products for a government to their specifications? . . . . . 8047  Yes                      8048  No
- 8. Manufacture products for another business to their specifications? . . . . . 8016  Yes                      8017  No
- 9. Manufacture products for a final retail customer to their specifications? . . . . . 8060  Yes                      8062  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 <input type="checkbox"/> Yes	0079 <input type="checkbox"/> 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		
			-			-		
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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