

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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

Produced and Consumed - Forgings, foundries, and screw machine products - Report the quantities produced and used in manufacturing other products made in this establishment in **25**. Note that the materials used to produce these items should be reported in **16**.

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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	Shapes and forms (excluding castings, forgings, and fabricated metal products) Steel				
	Bars, bar shapes, and plate	331200 07 1			
2	Sheet and strip	331200 17 0			
3	All other steel shapes and forms	331200 33 7			
4	Nonferrous shapes and forms	331000 AJ 9			
	Castings (rough and semifinished)				
5	Iron and steel	331510 01 6			
6	Nonferrous (aluminum, copper, etc.)	331520 11 4			
	Forgings				
7	Cold iron and steel	332111 03 8			
8	Other iron and steel	332111 11 1			

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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		
9	Fabricated metal products (excluding forgings)				
	Bolts, nuts, screws, rivets, washers, and screw machine products	332722 03 2			
10	Other fabricated metal products	332000 95 9			
11	Ball and roller bearings (mounted or unmounted)	332991 01 7			
12	Balls, rollers, cages, collars, races, and other antifriction bearing components and parts	332991 07 4			
13	Grinding wheels and other abrasive products, excluding industrial diamonds	327910 01 4			
14	Special dies, tools, die sets, jigs, and fixtures (excluding cutting tools for machine tools)	335100 00 4			
15	Electric motors, generators, and parts	335312 07 0			
16	Clutches, couplings, shafts, sprockets, and other mechanical power transmission equipment	333613 05 7			
17	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	333996 01 5			
18	Paperboard containers, boxes, and corrugated paperboard	322210 01 4			
19	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			
20	TOTAL (<i>Should equal total reported in 16, line A1</i>)	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, including interplant transfers		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
1	Ball bearings, complete, unmounted	332991 1100 6			
2	Tapered roller bearings (including cups and cones), unmounted	332991 3100 4			
3	Other roller bearings, unmounted (Corresponds to value of shipments reported on CIR Form MA332Q, Antifriction Bearings, for 2002, item codes 2311 - 2393.)*	332991 5100 2			
4	Mounted bearings (except plain) (Corresponds to value of shipments reported on CIR Form MA332Q, Antifriction Bearings, for 2002, item codes 2417 - 2455.)*	332991 7100 0			
5	Parts and components for ball and roller bearings (including balls and rollers, sold separately, but excluding cups and cones) (Corresponds to value of shipments reported on CIR Form MA332Q, Antifriction Bearings, for 2002, item codes 2911 - 2959.)*	332991 9100 8			
6	Worm speed reducers, single reduction, center distance less than 3 in. (7.62 cm), without C-face, flange, or scoop mount	333612 7116 7			
7	Offset parallel shaft speed reducers (including helical, herringbone, and spur), low-speed center 15 in. (38.10 cm) or less	333612 7771 9			
8	Plain bearings and bushings, unmounted, machined (except engine)	333613 1112 0			
9	Pulleys	333613 3767 9			
10	Other mechanical power transmission equipment, nec, including ball joints, nonflexible drive shafts and couplings, etc.	333613 3792 7			

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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, including interplant transfers		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
11	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			
12		26			
13		34			
14		42			
15		59			
16		67			
17	Contract work - Receipts for work done for others on their materials (<i>Specify products worked on and kind of work.</i>) ↴	000930 0000 8			
18	Miscellaneous receipts Sales of scrap and refuse	000999 8013 8			
19	Other miscellaneous receipts (including receipts for repair work, etc.) . .	000999 8098 9			
20	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			
21	TOTAL (<i>Should equal 4, line A</i>)	770000 0000 8			

23-25 Not Applicable.



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26 SPECIAL INQUIRIES

SELECTED PRODUCTS PRODUCED AND CONSUMED

- Report below the quantity of each listed item produced in this establishment and used in manufacturing other products made in this establishment.
- Purchases or receipts of the items specified below should be reported only in 16.
- Materials used to produce the items specified below should be reported in 16.
- Quantities produced for sale as such and not for incorporation in other products should be reported in 2.
- Report quantities in the unit of measure specified.

Mark "X" if not performed at this establishment

- | | | | |
|-----------|---|------|--------------------------|
| 1. | Ferrous foundries | 8301 | <input type="checkbox"/> |
| 2. | Nonferrous foundries, excluding die-casting | | |
| a. | Aluminum | 8302 | <input type="checkbox"/> |
| b. | Copper | 8303 | <input type="checkbox"/> |
| c. | Zinc | 8304 | <input type="checkbox"/> |
| d. | Other | 8305 | <input type="checkbox"/> |
| 3. | Nonferrous die-casting foundries | 8306 | <input type="checkbox"/> |

Unit of measure for quantities	Quantities produced in this establishment and used in manufacturing other products made in this establishment
short tons	
1000 lb	
1000 lb	
1000 lb	
1000 lb	
1000 lb	

4. Did this establishment produce precision turned products (on screw machines, turning centers, and CNC equipment)?

8308 Yes 8309 No

27 Not Applicable.



33235128

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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