If not shown, please enter your 11-digit Census File Number

## Item 16. CONSUMPTION OF SELECTED MATERIALS DURING 2002

## INSTRUCTIONS

1. General - The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 22. 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 which are not listed, describe and report them in the "Cost of all other materials . . . " line 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 . . ., ',

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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.
2. 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 amounts 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.
3. Contract Work - Include as 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 item 15 , line 5 , 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.
4. 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 item 15, line 2, not in item 16 below. The value of these products shipped by this establishment should be reported in item 22 under "Resales."
5. Produced and Consumed - Forgings, foundries, and screw machine products - Report the quantities produced and used in manufacturing other products made in this establishment in item 26. Note that the materials used to produce these items should be reported in item 16.

|  | Materials, parts, and supplies(A) |  |  | Census material code | Consumption of purchased materials and of materials received from other establishments of your company |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Cost, including delivery cost (freight-in) <br> (E) |
|  |  |  |  | $\begin{array}{\|r\|l\|} \hline 574 & \\ \hline \text { Millions } \\ \hline \end{array}$ | Thousands | ollars |
| 1 | Fluid power pumps purchased for incorporation into products of this establishment |  |  |  |  | \$ | $1$ |  |
| 2 | FABRICATED METAL PRODUCTS (Except forgings) | Bolts, nuts, screws, washers, rivets, and screw machine products |  |  |  |  |  |  |
|  |  | Pipe, valves, and pipe fittings |  |  |  | $\begin{array}{ll}1 & 1 \\ 1 & 1 \\ 1\end{array}$ |  |
| 4 |  | Other fabricated metal products |  |  |  |  |  |
| 5 | Forgings |  |  | $\operatorname{Ar}-1 \operatorname{l}^{1}-1$ |  | $1 \quad 1$ |  |
| 6 | CASTINGS (Rough and semifinished) | Iron and steel |  |  |  | 1 |  |
| 7 |  | Aluminum and aluminum-base alloy |  |  |  |  |  |
| 8 |  | Other nonferrous |  |  |  |  |  |
| 9 | Shapes and Forms (Except Castings, Forgings, and Fabricated Metal Products) | STEEL | Bars, bar shapes, and plates |  |  | 1 |  |
| 10 |  |  | Sheet and strip |  |  | 1 |  |
| 11 |  |  | Tubing |  |  | $1 \quad 1$ |  |
| 12 |  |  | All other steel shapes and forms |  |  |  |  |
| 13 |  | ALUMINUM AND ALUMINUMBASE ALLOY | Extruded shapes (including extruded rod, bar, pipe, tube, etc.) |  |  | , |  |
| 14 |  |  | All other aluminum and aluminum-base alloy |  |  | I |  |
| 15 |  | Other nonferrous shapes and forms |  |  |  | , | I |
| 16 | Metal powders |  |  |  |  | 1 |  |

Item 16. CONSUMPTION OF SELECTED MATERIALS DURING 2002 - Continued


Item 18- Not applicable to this report
Item 22. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 2002

## INSTRUCTIONS

1. 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 item 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.
2. 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.
The value of pumps and motors shipped as hydrostatic transmissions should be reported separately in the pump and motor categories shown on lines 5 through 9 in item 18B.
3. 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"
4. 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 "Resales."
5. 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 forms, the sum of the detailed CIR products should equal the total reported on this census form. The Current Industrial Reports related to this report are as follows:
a. MA333N, Fluid Power Products (Including Aerospace)
b. MA333P, Pumps (Except Hydraulic) and Compressors

NOTE: Only CIR totals are requested; do not duplicate detail reported on the CIR. from the address label on page 1

Item 22. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 2002 - Continued


Item 22. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 2002 - Continued


## If not shown, please enter your 11-digit Census File Number from the address label on page 1

Item 26. SELECTED PRODUCTS PRODUCED IN THIS ESTABLISHMENT AND USED IN MANUFACTURING OTHER PRODUCTS MADE IN THIS ESTABLISHMENT

## INSTRUCTIONS

1. Report below the quantity of each listed item produced in this establishment and used in manufacturing other products made in this establishment.
2. Purchases or receipts of the items specified below should be reported only in item 16.
3. Materials used to produce the items specified below should be reported in item 16 .
4. Quantities produced for sale as such and not for incorporation in other products should be reported in item 22.
5. Report quantities in the unit of measure specified in column (D).

|  | Item <br> (A) |  | Census code | Was this operation performed at this establishment during 2002? |  | Unit of measure for quantities <br> (D) | Quantities produced in this establishment and used in manufacturing other products made in this establishment |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Yes | No | 593 |  | (E) |
| 1 | Ferrous foundries |  |  | 10017 | $1 \square$ | $2 \square$ | Short tons |  |  |
| 2 | NONFERROUS FOUNDRIES (Except die-casting) | Aluminum | 10025 | $1 \square$ | $2 \square$ | Thousand pounds |  |  |
| 3 |  | Copper | 10033 | ${ }_{1} \square$ | $2 \square$ |  |  |  |
| 4 |  | Zinc | 10041 | $1 \square$ | $2 \square$ |  |  |  |
| 5 |  | Other | 10058 | $1 \square$ | $2 \square$ |  |  |  |
| 6 | Nonferrous die-casting foundries |  | 10066 | $1 \square$ | $2 \square$ |  |  |  |
| 7 | Precision turned products (on screw machines, turning centers, and CNC equipment) |  | 10074 | $1 \square$ | $2 \square$ |  |  |  |

Items 20 and 21 - Not applicable to this report
REMARKS - Please use this space for any explanations that may be essential in understanding your reported data.

## FOR COMMENT



