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

## Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997

## 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 18B. 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 . . .," Census material code 9700998.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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 10, line e, 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 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 9998900 6, "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 19. Note that the materials used to produce these items should be reported in item 17.
6. Lines 6-8 - Scrap generated in other establishments of your company and transferred to this establishment should be reported as scrap purchased from outside sources. Exclude home scrap.

Materials, parts, and supplies


Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 - Continued


Item 18A - Not applicable to this report
Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997

## 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 18B. 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.
3. Quantities - Lines 1-39 - Report the weight of castings before machining. The removal of gates, risers, sprues, and tumbling, dipping or sandblasting do not constitute machining. The quantity and value of the machined castings or the finished products in which the castings are incorporated should be entered in columns (D) and (E) on lines 46-54.
4. Products Shipped and Other Receipts - Report the quantity and value of each product made and
physically shipped during 1997 from this establishment; include products shipped to other plants, sales branches, retail stores, or warehouses of
your company and on consignment. Deduct returned goods. Also report the value of services performed at this establishment.
5. 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 product code 9998900 6, "Resales."

## 6. Contract Work

a. Products made by others for you from your materials Report such products on the specific lines of this section as if they were made in this establishment.
b. Products that you made from materials owned by others - Report the amount that you received for "commission or contract receipts" on line 55, Census product code 93000008 . Do not report on the specific product lines for these products.
c. Toll Operations - Tolling must be performed for the customers outside your own company. If the work is done for other establishments within your company, the value of the materials consumed in the tolling operation should be reported in your cost of materials data and processed value of the product should be reported as a product shipment and a corresponding interplant transfers.

Line 36 - Report heat and corrosion resistant steel castings containing 8 percent or more of chromium or nickel, or both, with or without molybdenlum or other elements.


Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 - Continued




Item 19. 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 17.
3. Materials used to produce the items specified below should be reported in item 17.
4. Quantities produced for sale as such and not for incorporation in other products should be reported in item 18B.
5. Report quantities in the unit of measure specified in column (D).

| $\begin{aligned} & \dot{2} \\ & 0 \\ & \end{aligned}$ | Item(A) |  | Census <br> code591 (B) |  | Was this operation performed at this establishment during 1997? |  | 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.

| Name of person to contact regarding this report (Print or type)667 1 |  |  |  |  |  | Telephone | Area code 2 | Number |  | Extension |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Name of company |  |  |  |  | Address (Number and street, city, State, ZIP Code) |  |  |  |  |  |
|   <br> Period covered FROM: <br>  $666 \mid 1$ <br> Signature of authorized person  |  |  |  | Year |  | TO: Mont |  | $\begin{aligned} & \text { Day } \\ & \hline \end{aligned}$ | Year |  |
|  |  |  |  | Title |  |  |  |  | Date |  |

