## 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 ${ }^{22}$. 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 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 009700998.
Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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 sho ld b ba on the delivered cost; i.e., the amount paid or payable after discounts and including fyejp a d dor disect cbarges incurred in acquiring the materials.

 the cost of purchases or transfe s. However, if consumptiondil $\varepsilon$ ss ghifica pil from the amounts purchased or transferred, these amounts should be adjusted fon nges n the terials and supplies inventories by adding the beginning inventory to the amount purctinsed ( $r$ rtr) ns ferrealapd bubtracting ending inventory.
Contract Work - Include $a$ m (ria) consunechose you purchased for use by others making products for you under contract. Amounts pa d ty) keompanies doing the contract work should be reported in (15, line A5, and should include freight in and out. OHt ine 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 22 under Census product code 0009998900 6, "Resales."
Lines 9 and 10 - 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.


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

 Number (CFN) from the mailing address.

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.

Products Shipped and Other Receipts - Report the quantity and value of each product made and physically shipped during 2002 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.

Quantities - Lines 1 through 45 - Where requested, report the weight of castings before machining. The removal of gates; risers; sprues; and tumbling, dipping, or sandblasting do not constitute machining. Report in 26 the weight of rough castings you produced and machined or assembled into other products in this establishment. The quantity and value of the machined castings or the finished product in which the castings are incorporated should be entered in appropriate columns on lines 76 through 81.
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.
Line 34 - Report heat and/or corrosion resistant steel castings containing eight percent or more of chromium or nickel, or both, with or without molybdenum or other elements.

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 00093000008.

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 0009998900 6, "Resales."


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

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



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

 Number (CFN) from the mailing address.DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued


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

| $\begin{aligned} & \dot{\circ} \\ & \text { ¿ } \\ & \stackrel{ \pm}{\Xi} \end{aligned}$ |  Products and services |  | Census product code | Unit of measure for quantities | Products shipped and other receipts， including interplant transfers |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Quantity |  | Value，f．o．b．plant |  |  |
|  |  |  | \＄Bil． |  | Mil． | Thou． |
|  |  |  | 0730 | 0736 | 0732 | 0731 |  |  |
| 60 | Other nonferrous castings，nec（excluding die－ castings） <br> Zinc and zinc－base alloy |  |  |  |  |  |  |  |
| 61 | Magnesium and magnesium－base alloySand ．．．．．．．．．．．．．．．．．．．．．．．． |  |  |  |  |  |  |  |
| 62 |  | cluding permanent and manent mold and cast |  | 33152802113 |  |  |  |  |  |
| 63 | Nickel and nickel－base alloy <br> Other nonferrous metal castings（Specify kind of metal．） |  | 33152801164 |  |  |  |  |  |
| 64 |  |  | 33152802212 |  |  |  |  |  |
| 65 | Industrial molds and mold boxes，nsk（excluding molds for metal，metal carbides，or wax）（Specify kind．） |  | 333511 OYWW 4 |  |  |  |  |  |
| 66 | Foundry patterns（billed to customers separately） （Include only those patterns whose cost was borne directly by the company for whom the pattern was made，whether delivered to that company or kept in your own plant．） |  | 33299701012 |  |  |  |  |  |
| 67 | Receipts for machine shop job work and job order repairs |  | 33271001001 |  |  |  |  |  |
| 68 | Ductile iron grooved fittings and couplings for piping systems |  | 33291931138 |  |  |  |  |  |
| 69 | Gas（all types）domestic heating stoves，including vented and unvented circulators，radiants，and laundry stoves（excluding parts） <br> Multiple drive sheaves |  | 33341431014 |  |  |  |  |  |
| 70 |  |  | 33361336499 |  |  |  |  |  |
| 71 | Pulleys <br> Parts for mechanical power transmission equipment <br> Parts for winches（except for mounting on prime movers），aerial work platforms，automobile hoists （sold separately） |  | 33361337679 |  |  |  |  |  |
| 72 |  |  | 33361337984 |  |  |  |  |  |
| 73 |  |  | 33392374956 |  |  |  |  |  |
| 74 | Compression type piston rings for m engines（passenger car，truck，and bus） <br> Research and development on missil vehicle parts and components for oth |  | 33631132090 |  |  |  |  |  |
| 75 |  |  | 33641931119 |  |  |  |  |  |

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

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


Not Applicable.

## 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 22.
- Report quantities in the unit of measure specified.

1. Ferrous foundries
2. Nonferrous foundries, excluding die-casting
a. Aluminum . . . . . . . . . . . . . . . . . . . . . . . . . . . . 8302
b. Copper 8303
c. Zinc 8304
d. Other 8305
3. Nonferrous die-casting foundries 8306

| Mark "X" if not performed at this establishment | Unit of measure for quantities | Quantities produced in this establishment and used in manufacturing other products made in this establishment |
| :---: | :---: | :---: |
| $\square$ | short tons |  |
| $\square$ | 1000 lb |  |
| $\square$ | 1000 lb |  |
| $\square$ | 1000 lb |  |
| $\square$ | 1000 lb |  |
| $\square$ | 1000 lb |  |

4. Did this establishment produce precision turned products (on screw machines, turning centers, and CNC equipment)?
${ }_{8308}^{\square} \square$ Yes ${ }_{8309} \square$ No
Not Applicable.

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

## 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.)

1. Product design/engineering
2. Order fulfillment
a. Bundling or kitting (combining multiple items into a prepackaged product)
b. Pick and pack (taking goods from inventory and packaging them to fill orders).
c. Warehousing of finished products
d. Breaking bulk (reducing large shipments into smaller portions for customers)
e. Local delivery (within a city, town, or other local area, including adjoining towns and suburban areas)
f. Long distance delivery (beyond local areas and commercial zones).
g. Processing of returned merchandise

| This activity was performed - |  |  |  |
| :---: | :---: | :---: | :---: |
| By this establishment |  | By another company | Not at all |
| $0921 \square$ | $8071 \quad \square$ | $0941 \square$ | $0961 \square$ |
| ${ }_{0923} \square$ | $8072 \quad \square$ | $0943 \quad \square$ | ${ }_{0963} \square$ |
| ${ }_{0924} \square$ | ${ }_{8073} \square$ | 0944 | $0964 \square$ |
| $0925 \square$ | $8074 \quad \square$ | $0945 \square$ | $0965 \square$ |
| ${ }_{0} 0926$ | ${ }_{8075} \square$ | $0946 \square$ | $0966 \square$ |
| ${ }_{0927} \square$ | ${ }_{8076} \square$ | $0947 \square$ | ${ }_{0967} \square$ |
| ${ }_{0} 028 \square$ | ${ }_{8077} \square$ | 0948 | $0968 \square$ |
| $0932 \square$ | 8078 | $0952 \square$ | $0972 \square$ |

B. During 2002 did this establishment:

1. Manage inventory owned by this establishment AND held at this location?

2. Manage inventory owned by another company BUT held at this location?Yes

3. Manage inventory owned by another company AND held somewhere other than at this location?. 0994Yes

4. Contract with another firm for any of your production using materials owned by this location?


5. Send any partially completed products to a foreign facility for processing that were then returned to this establishment for completion?
Yes

6. Manufacture products for a government to their specifications? 8047Yes

7. Manufacture products for another business to their specifications?Yes

8. Manufacture products for a final retail customer to their specifications?

OPERATIONAL STATUS
Activity that best describes this establishment's status at the end of 2002
(Mark "X" only ONE box.)

0011
$\square$ In operation

0012Under construction, 0014 development, or exploration

0015


Temporarily or seasonally inactive | Ceased operation - Give date at right |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Sold or leased to another operator - | $\longrightarrow 0018$ | Month | Day | Year |
|  |  |  |  |  | Give date at right AND enter new name and mailing address below 7

| 0060 Name of new owner or operator | 0061 Employer Identification Number |  |  |
| :---: | :---: | :---: | :---: |
|  | Enter EIN of new owner (9 digits) $\qquad$ |  |  |
| 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.)

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?


Thank you for completing your 2002 Economic Census form.

