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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 a part, 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 consume less than \$25,000 of a listed material, include the code with "Cost of all other materials . . .," and this material code 970099 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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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.

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.

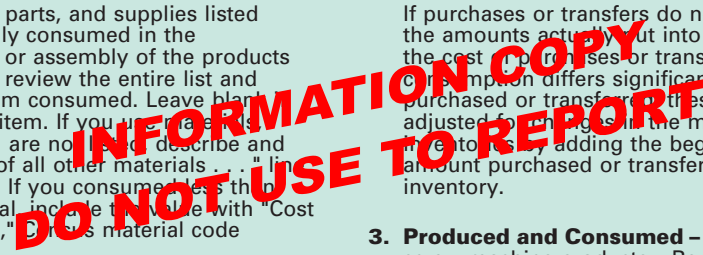
Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

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. 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.

4. 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.

5. 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 99989 00 6, "Resales."



| Line No. | Materials, parts, and supplies (A) | | Census material code (B) | Consumption of purchased materials and of materials received from other establishments of your company | | |
|----------|---|--|---------------------------------------|--|----------------|---------|
| | | | | Cost, including delivery cost (freight-in) (E) | | |
| | | | | 574 Millions | Thou- sands | Dollars |
| 1 | FABRICATED METAL PRODUCTS | Bolts, nuts, screws, washers, rivets, and screw machine products | 345001 2 | \$ | | |
| 2 | (Except forgings) | Other fabricated metal products | 340098 3 | | | |
| 3 | Forgings | | 346000 3 | | | |
| 4 | CASTINGS (Rough and semifinished) | Iron and steel | 332001 7 | | | |
| 5 | | Nonferrous | 336010 4 | | | |
| 6 | Shapes and Forms (Except Castings, Forgings, and Fabricated Metal Products) | STEEL | Bars, bar shapes, and plates | 331007 5 | | |
| 7 | | | Sheet and strip | 331022 4 | | |
| 8 | | | All other | 331034 9 | | |
| 9 | | ALUMINUM AND ALUMINUM-BASE ALLOY | Sheet, plate, foil, and welded tubing | 335301 8 | | |
| 10 | | | All other | 335011 3 | | |
| 11 | | Other nonferrous | | 335091 5 | | |
| 12 | | METAL POWDERS | Tungsten carbide | 339916 9 | | |
| 13 | All other | | 339919 3 | | | |
| 14 | Iron and steel scrap (excluding home scrap) | | 190074 5 | | | |
| 15 | Industrial diamonds | | 329903 9 | | | |
| 16 | Electric transmission, distribution, and control equipment | | 360101 0 | | | |
| 17 | Grinding wheels and other abrasive products (except industrial diamonds) | | 329101 0 | | | |

CONTINUE WITH ITEM 17 ON PAGE 6

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued

| Line No. | Materials, parts, and supplies (A) | Census material code (B) | Consumption of purchased materials and of materials received from other establishments of your company | | |
|----------|--|--|--|----------------|---------|
| | | | Cost, including delivery cost (freight-in) (E) | | |
| | | | 574 Millions | Thou- sands | Dollars |
| 18 | Fluid power products, including pumps, motors, valves, cylinders, rotary actuators, hose or tube fittings and assemblies, filters, etc. (hydraulic and pneumatic) | 190090 1 | \$ | | |
| 19 | Ceramic raw materials, including powders, chemicals, and fibers (excluding refractory uses) | 280020 9 | | | |
| 20 | Ceramic and ceramic composite parts, components, and accessories | 320601 8 | | | |
| 21 | Cost of all other materials and components, parts, containers, and supplies consumed <i>Describe the principal materials, etc., included in this value.</i> | 970099 8 | | | |
| 22 | TOTAL Sum of lines 1–21 should equal item 10, line a | | \$ | | |

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. 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 product code 93000 00 8.

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 Census product code 99989 00 6, "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. For survey item codes, see paragraph 4 of CIR Instruction Manual.

NOTE: Only CIR totals are requested; do not duplicate detail reported on the CIR.

6. Special Instructions

- a. Product class 35451 (lines 47–83) covers small cutting tools for machine tools and metalworking machinery.
- b. Single and double point tools (line 71) – Single and double point tools are cutting tools with intergral or bonded shank and cutting elements; rectangular, round, and other cross section; single and double end, including flat form and dovetail tools, used for turning, planing, boring, shaping, shaving, forming, threading, cutting off, etc., (excluding circular form tools, all mechanical devices, and replaceable inserts).
- c. Blanks, tips, and inserts (lines 73–80) – Molded blanks and tips (except pressed-to-size inserts) are case or pressed. Include those requiring further processing and finished or semifinished forms of blanks for brazing, soldering, or otherwise bonding to a shank to form a cutting tool.

CONTINUE WITH ITEM 18B ON PAGE 7

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

| Line No. | Products and services (A) | | | | Census product code (B) | Products shipped and other receipts | | | |
|----------|--|------------------------------|--|--|---|-------------------------------------|-----------|---------|--|
| | | | | | | Value, f.o.b. plant (E) | | | |
| | | | | | 581 | 584 | Thousands | Dollars | |
| 1 | Special Dies and Tools, Die Sets, Jigs, and Fixtures (35441) | JIGS AND FIXTURES, ALL TYPES | Gauging and checking types | Less than 1,000 pounds weight | 35441 13 8 | \$ | | | |
| 2 | | | | 1,000 pounds weight or more | 35441 15 3 | | | | |
| 3 | | | All other jigs and fixtures (holding, positioning, layout, assembly, etc.) | Less than 1,000 pounds weight | Work holding fixtures (corresponds to the value of shipments as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (Item code 8004)* | 35441 16 1 | | | |
| 4 | | | | | Other than work holding fixtures | 35441 14 6 | | | |
| 5 | | | | 1,000 pounds weight or more | 35441 18 7 | | | | |
| 6 | | | | Standard catalog components and parts for jigs and fixtures (including drill bushings) | 35441 19 5 | | | | |
| 7 | DIES, METAL-WORKING ONLY | | Press brake dies | | 35441 21 1 | | | | |
| 8 | | | Forming and drawing dies | 500 pounds weight or less | | 35441 22 9 | | | |
| 9 | | | | 501 to 3,000 pounds weight | | 35441 24 5 | | | |
| 10 | | | | More than 3,000 pounds weight | | 35441 26 0 | | | |
| 11 | | | Stamping dies (including lamination and blanking dies) | Progressive-type dies | High-speed steel | 35441 27 8 | | | |
| 12 | | | | | Carbide | 35441 28 6 | | | |
| 13 | | | | | Other | 35441 25 2 | | | |
| 14 | | | All other stamping-type dies (punch, trim, notch, pierce, perforate, etc.) | | 35441 23 7 | | | | |
| 15 | | | Forging dies (including cold forging and heading) | Open die type | | 35441 33 6 | | | |
| 16 | | | | Closed die type | | 35441 35 1 | | | |
| 17 | | | Extrusion and wiredrawing and straightening dies | High-speed steel | | 35441 43 5 | | | |
| 18 | | | | Carbide | | 35441 45 0 | | | |
| 19 | | | | Ceramic and ceramic composite | | 35441 42 7 | | | |
| 20 | | | | Other | | 35441 44 3 | | | |
| 21 | | | All other dies | High-speed steel | | 35441 46 8 | | | |
| 22 | | | | Carbide | | 35441 47 6 | | | |
| 23 | | | | Other | | 35441 48 4 | | | |
| 24 | Standard and special components and parts for dies | Die sets | | 35441 73 2 | | | | | |
| 25 | | Standard punches | Steel | 35441 75 7 | | | | | |
| 26 | | | Carbide | 35441 77 3 | | | | | |
| 27 | | Other | | 35441 78 1 | | | | | |
| 28 | Industrial models and prototypes | | | | 35441 83 1 | | | | |
| 29 | Other specially designed tooling | | | | 35441 89 8 | | | | |

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

| Line No. | Products and services (A) | | | | | Census product code (B) | Products shipped and other receipts | | |
|----------|--|--|---|---|---|---------------------------------------|-------------------------------------|-------|---------|
| | | | | | | | Value, f.o.b. plant (E) | | |
| | | | | | | | 584 | Thou- | Dollars |
| | Millions | sands | | | | | | | |
| 30 | Industrial Molds and Mold Boxes (35442) | INDUSTRIAL MOLDS MADE OF METAL | Molds for metal or metal carbides (except ingot molds) | Die-casting dies | For low-pressure casting | 35442 03 7 | \$ | | |
| 31 | | | | | | For high-pressure casting | 35442 05 2 | | |
| 32 | | | | | Permanent molds (for gravity casting) | 35442 07 8 | | | |
| 33 | | | | | Other types | 35442 09 4 | | | |
| 34 | | | | Molds for wax | 35442 14 4 | | | | |
| 35 | | | | Molds for mineral materials | 35442 21 9 | | | | |
| 36 | | | | Molds for glass | 35442 25 0 | | | | |
| 37 | | | | Molds for rubber | Injection- or compression-types | 35442 41 7 | | | |
| 38 | | | | | Other types | 35442 42 5 | | | |
| 39 | | | | Molds for plastics | Injection-types | 35442 51 6 | | | |
| 40 | | | | | Compression-type (including matched metal molds) | 35442 55 7 | | | |
| 41 | | | | | All other types (including transfer, plunger, and rotational molds) | 35442 59 9 | | | |
| 42 | | | | Molds for other materials | 35442 45 8 | | | | |
| 43 | | | | Mold bases | 35442 47 4 | | | | |
| 44 | | | | Industrial molds made of materials other than metal, for metal, metal carbides, glass, mineral materials, rubber, or plastics | | | 35442 64 9 | | |
| 45 | | | | Other industrial molds made of materials other than metal, n.e.c. | | | 35442 65 6 | | |
| 46 | | | | Mold boxes or flasks for use with patterns and sand molds in foundries | | | 35442 67 2 | | |
| 47 | Small Cutting Tools for Machine Tools and Metal-working Machinery (35451) | Broaches (excluding holders and burnishing bars) | | | 35451 14 5 | | | | |
| 48 | | TWIST DRILLS (Excluding combined drills, countersinks, and gun drills) | Carbon steel and high-speed steel | Taper shank | 35451 15 2 | | | | |
| 49 | | | | | Straight shank | 35451 21 0 | | | |
| 50 | | | | Carbide, solid and tipped (excluding tips and blanks sold separately; excluding masonry drills) | | | 35451 24 4 | | |
| 51 | | | | Masonry drill bits | | | 35451 22 8 | | |
| 52 | | | Gun drills and gun reamers | | | 35451 25 1 | | | |
| 53 | | | Combination drills and countersinks | | | 35451 26 9 | | | |
| 54 | | | Countersinks (including port cutters, etc.; excluding combined drills and countersinks and pilots for interchangeable pilot types) | | | 35451 27 7 | | | |
| 55 | | | Counterbores (including spot facers, etc.; excluding pilots for interchangeable pilot types) | | | 35451 29 3 | | | |
| 56 | | REAMERS (All types, but excluding gun reamers) | Carbon steel and high-speed steel (including blades sold separately) | | | 35451 32 7 | | | |
| 57 | | | Carbide, solid and tipped (including replaceable blades sold separately; excluding tips and blanks sold separately) | | | 35451 36 8 | | | |
| 58 | | | Hobs, all types | | | 35451 42 6 | | | |
| 59 | | | Gear shaper cutters and gear shaving cutters | | | 35451 47 5 | | | |
| 60 | (Continued on next page) | END MILLS AND MILLING CUTTERS | End mills, solid and tipped, die-sinking contour, router, tracer, hollow mills, etc. (excluding inserted blade types and shell mills) | High-speed steel | 35451 51 7 | | | | |
| 61 | | | | | Carbide, solid and tipped (excluding blades sold separately) | 35451 52 5 | | | |

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

| Line No. | Products and services (A) | | | | Census product code (B) | Products shipped and other receipts | | |
|----------|---|---|---|--|---------------------------------------|-------------------------------------|----------|-----------|
| | | | | | | Value, f.o.b. plant (E) | | |
| | | | | | 581 | 584 | Millions | Thousands |
| 62 | Small Cutting Tools for Machine Tools and Metal-working Machinery – Continued (35451) | END MILLS AND MILLING CUTTERS – Continued | Inserted blade type cutters, all types complete | Nonindexible | 35451 53 3 | \$ | | |
| 63 | | | | Indexible or throwaway insert types | 35451 54 1 | | | |
| 64 | | | Milling cutters, not elsewhere classified | High-speed steel | 35451 62 4 | | | |
| 65 | | | | Carbide, solid and tipped (excluding tips and blanks sold separately) | 35451 64 0 | | | |
| 66 | | | THREADING TOOLS | Taps (excluding taps in threading sets and screw plates and inserted chaser types) | | 35451 74 9 | | |
| 67 | | | | Dies, with two or more thread-forming edges integral with the body (including round, square, hexagonal, spring, two-piece, and adjustable types) (excluding inserted chaser types and dies sold in threading sets or screw plates) | | 35451 73 1 | | |
| 68 | | | | Chasers, single edge thread-cutting, circular blade and tangent types for mounting into or onto holders, die heads, and tap bodies (excluding all die heads, tap bodies, and chaser holders) | | 35451 75 6 | | |
| 69 | | | | Thread-rolling dies (including circular, flat, and planetary) | | 35451 87 1 | | |
| 70 | | | | Other threading tools (including screw plates and threading sets) – Specify kind and type of material | | 35451 89 7 | | |
| 71 | | | | Single and double point tools (See instructions) | | 35451 67 3 | | |
| 72 | Circular form tools (including semifinished blanks) | | | 35451 72 3 | | | | |
| 73 | BLANKS, TIPS, AND INSERTS (See instructions) | Molded blanks and tips (excluding pressed-to-size inserts) | | 35451 79 8 | | | | |
| 74 | | Inserts, indexible and throwaway types | Carbide | Precision ground | 35451 83 0 | | | |
| 75 | | | | Other carbide | 35451 81 4 | | | |
| 76 | | | Ceramic | 35451 95 4 | | | | |
| 77 | | Other than carbide and ceramic | | 35451 96 2 | | | | |
| 78 | | Inserts, other than indexible and throwaway types | Carbide | | 35451 86 3 | | | |
| 79 | | | | Ceramic | 35451 97 0 | | | |
| 80 | | | Other than carbide and ceramic | | 35451 99 6 | | | |
| 81 | | OTHER TYPES OF CUTTING TOOLS FOR MACHINE TOOLS, N.E.C. (Including rotary burrs, rotary files, and spade drills) | Carbon steel | | 35451 92 1 | | | |
| 82 | | | High-speed steel | | 35451 94 7 | | | |
| 83 | Carbide, solid and tipped (excluding tips and blanks sold separately) | | 35451 98 8 | | | | | |
| 84 | Other Attachments and Accessories for Machine Tools and Metal-working Machinery (35454) (Continued on next page) | TOOL HOLDERS (Continued on next page) | Turning tool holders, mechanically clamping for inserts and bits (except box tools and screw machine tool holders) | | 35454 12 3 | | | |
| 85 | | | Boring bars and heads | | 35454 14 9 | | | |
| 86 | | | Drilling, reaming, and tapping chucks | | 35454 17 2 | | | |
| 87 | | | Special tooling and attachments for screw and automatic machines (box tools, tool holders, turrets, rollers, etc.) (except standard cutting bits and tools) | | 35454 31 3 | | | |

CONTINUE WITH ITEM 18B ON PAGE 10

| Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued | | | | | | | |
|---|--|---|--|--|-------------------------------------|-----------|---------|
| Line No. | Products and services | | | Census product code | Products shipped and other receipts | | |
| | | | | | Value, f.o.b. plant (E) | | |
| | (A) | | | (B) | 584 Millions | Thousands | Dollars |
| 88 | Other Attachments and Accessories for Machine Tools and Metalworking Machinery – Continued (35454) | TOOL HOLDERS – Continued | Die heads and tap bodies for chaser type threading and thread-rolling heads (excluding hand type die stocks) | 35454 37 0 | \$ | | |
| 89 | | | Other tool holders (including other chucks, drill heads, tool posts, turrets, sleeves, sockets, etc.) | 35454 38 8 | | | |
| 90 | | WORK HOLDING DEVICES | Rotary tables, including numerically controlled | 35454 46 1 | | | |
| 91 | | | Indexing work holders, excluding rotary tables (corresponds to the value of shipments as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (Item code 8006)* | 35454 47 9 | | | |
| 92 | | | Collets, jaws, vises (corresponds to the value of shipments as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (Item codes 8002, 8003, and 8005)* | 35454 57 8 | | | |
| 93 | | | Other than collets, jaws or vises such as mandrels, feeding fingers clamps, stops, etc. | 35454 58 6 | | | |
| 94 | | | OTHER ATTACHMENTS AND ACCESSORIES FOR MACHINE TOOLS AND METALWORKING MACHINERY, ETC. | Tracer and tapering attachments, safety devices, centers, dogs, work rests, chutes, etc. (excluding cutting tools, tool end work holders, jigs, fixtures, dies, and molds) | 35454 41 2 | | |
| 95 | | Chucks (corresponds to the value of shipments as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (Item code 8001)* | | 35454 43 8 | | | |
| 96 | | Tool room specialties (including levels, angle plates, parallels, sine bars, V-blocks, flats, etc.) | | 35454 51 1 | | | |
| 97 | | Other attachments and accessories | | 35454 98 2 | | | |
| 98 | Precision Measuring Tools (Inspection, Quality Control, Tool Room, and Machinists') (35455) | Comparators (excluding optical) | | 35455 11 2 | | | |
| 99 | | FIXED SIZE LIMIT GAUGES (AMERICAN GAUGE DESIGN TYPE C58-61) | Fixture type | 35455 13 8 | | | |
| 100 | | | Thread type | 35455 15 3 | | | |
| 101 | | Adjustable size limit gauges | | 35455 17 9 | | | |
| 102 | | Gauge blocks | | 35455 21 1 | | | |
| 103 | | Dial indicators | | 35455 61 7 | | | |
| 104 | | Micrometers and calipers | | 35455 65 8 | | | |
| 105 | | Pneumatic and electronic gauges (manual and automatic) | | 35455 71 6 | | | |
| 106 | | Coordinate and contour measuring machines (inspection and gauging) (corresponds to the sum of item codes 9001-9004 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) | | 35455 73 2 | | | |
| 107 | | Other machinists' precision measuring tools (including dividers, gear checking machines, and surface texture measuring machines) – Specify kind and list each kind separately | | 35455 77 3 | | | |
| 108 | Parts and accessories for machinists' precision measuring tools (sold separately) | | 35455 79 9 | | | | |
| 109 | DIAMOND GRINDING WHEELS | Metal bond | | 32916 72 8 | | | |
| 110 | | Other bond | | 32916 74 4 | | | |
| 111 | Tungsten and tungsten-base alloy powders, paste, and flakes | | | 33991 77 9 | | | |
| 112 | DIES (Except metal cutting) | Steel rule dies | | 34235 11 9 | | | |
| 113 | | Other cutting dies for use in cutting cloth, paper, leathers, etc. (excluding dies for cutting metal) | | 34235 12 7 | | | |
| 114 | MACHINE KNIVES (Except metal cutting) | Veneer knives and chipper knives | | 34235 21 8 | | | |
| 115 | | All other machine knives | | 34235 22 6 | | | |

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

| Line No. | Products and services (A) | | Census product code (B) | Products shipped and other receipts | | |
|----------|---|--|---------------------------------------|-------------------------------------|----------|----------------|
| | | | | Value, f.o.b. plant (E) | | |
| | | | 581 | 584 | Millions | Thou- sands |
| 116 | METAL-WORKING POWER SAW BLADES | Circular (including metal teeth and cutting segments, sold separately) | 34250 31 6 | \$ | | |
| 117 | | Hack (power only) | 34250 35 7 | | | |
| 118 | | Band (flexible back, spring temper metal cutting, and high-speed metal cutting) | 34250 36 5 | | | |
| 119 | | Other metalworking saw blades (saber, reciprocating, etc.) | 34250 39 9 | | | |
| 120 | Automotive job stampings (truck, bus, and passenger car) | | 34650 00 2 | | | |
| 121 | METAL CUTTING MACHINE TOOLS AND PARTS (SOLD SEPARATELY) (Excluding rebuilt machine tools) | Boring machines (excluding machining centers) and drilling machines (excluding machining centers) (corresponds to the sum of item codes 1110–1265 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (3541D)* | 3541D 00 2 | | | |
| 122 | | Gear cutting machines (corresponds to the item code 1991 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (35413)* | 35413 00 4 | | | |
| 123 | | Grinding and polishing; buffing, honing, and lapping machines (except gear-tooth grinding, lapping, polishing, and buffing machines) (corresponds to the sum of item codes 2010–2740 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (35414)* | 35414 00 2 | | | |
| 124 | | Lathes (turning machines numerically and non-numerically controlled) (corresponds to the sum of item codes 2801–2811 and 2920–3192 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (35415)* | 35415 00 9 | | | |
| 125 | | Milling machines (excluding machining centers) (corresponds to the sum of item codes 3309–3675 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (35416)* | 35416 00 7 | | | |
| 126 | | Other metal cutting machine tools, n.e.c. (except station-type and machining centers) and those designed primarily for home workshops, laboratories, etc.), including broaching machines, sawing and cut-off machines, spark erosion, ultrasonic, and electrolytic machines, rifling, centering, key seating, pointing, chamfering, facing, shaving, grooving, counter-sinking, burring, reaming, screw and nut slotting machines, threading, planers, and shapers (corresponds to the sum of item codes 3840–4630) as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (3541C)* | 3541C 00 4 | | | |
| 127 | | Parts for metal cutting machine tools (sold separately) | 35419 11 8 | | | |
| 128 | METAL FORMING MACHINE TOOLS AND PARTS (SOLD SEPARATELY) (Excluding rebuilt machine tools) | Punching and shearing machines (including power and manual) and bending and forming machines (power only) (corresponds to the sum of item codes 5009–5270 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (35421)* | 35421 00 7 | | | |
| 129 | | Other metal forming machine tools, including forging and die-stamping machines, thread-rolling machinery, metal container-making machinery, die-casting machines, riveting machines (except handheld portable types), and all other metal forming type machine tools, not elsewhere classified (corresponds to the sum of item codes 6540–7173 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (35423)* | 35423 00 3 | | | |
| 130 | | Other parts of metal forming machine tools | 35424 10 0 | | | |
| 131 | INDUSTRIAL PATTERNS (Wood, metal, etc.), EXCEPT SHOE PATTERNS | Foundry patterns | 35430 11 5 | | | |
| 132 | | All other industrial patterns (except shoe patterns) | 35430 98 2 | | | |
| 133 | Receipts for machine shop job work and job order repair | | 35995 00 0 | | | |

CONTINUE WITH ITEM 18B ON PAGE 12

| Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued | | | | | | |
|---|--|---|--------------------------------|-------------------------------------|----------|----------------|
| Line No. | Products and services (A) | | Census product code (B) | Products shipped and other receipts | | |
| | | | | Value, f.o.b. plant (E) | | |
| | | | 581 | 584 | Millions | Thou- sands |
| 134 | ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT | <i>Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above.</i> | 18 | | | |
| 135 | | | 26 | \$ | | |
| 136 | | | 34 | | | |
| 137 | | | 42 | | | |
| 138 | CONTRACT WORK | Receipts for work done for others on their own materials <i>Describe below products worked on and kind of work.</i> | 93000 00 8 | | | |
| | | | | | | |
| | | | | | | |
| 139 | MISCELLANEOUS RECEIPTS | Sales of scrap and refuse | 99980 13 8 | | | |
| 140 | | Receipts for research and developmental work | 99980 41 9 | | | |
| 141 | | Receipts for repair work | 99980 61 7 | | | |
| 142 | | Other miscellaneous receipts | 99980 98 9 | | | |
| 143 | RESALES | Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b. | 99989 00 6 | | | |
| 144 | TOTAL value of shipments and other receipts Sum of lines 1–143, column (E) | | 77000 00 8 | \$ | | |

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).

| Line No. | Item (A) | Census code (B) | Was this operation performed at this establishment during 1997? (C) | | Unit of measure for quantities (D) | Quantities produced in this establishment and used in manufacturing other products made in this establishment (E) |
|----------|---|------------------------|--|----------------------------|---|--|
| | | | 592 | 593 | | |
| | | 591 | Yes | No | | |
| 1 | Ferrous foundries | 1001 7 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | Short tons | |
| 2 | NONFERROUS FOUNDRIES (Except die-casting) | Aluminum | 1002 5 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | Thousand pounds |
| 3 | | Copper | 1003 3 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | |
| 4 | | Zinc | 1004 1 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | |
| 5 | | Other | 1005 8 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | |
| 6 | Nonferrous die-casting foundries | 1006 6 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | | |
| 7 | Precision turned products (on screw machines, turning centers, and CNC equipment) | 1007 4 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | | |

Items 20 and 21 – Not applicable to this report

CONTINUE WITH ITEM 22 ON PAGE 13

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

Census File Number

REMARKS – Please use this space for any explanations that may be essential in understanding your reported data.

Item 22. CERTIFICATION – This report is substantially accurate and has been prepared in accordance with instructions.

| | | | | | | | |
|--|-------------|-----|-------|---|-----------|--------|-----------|
| Name of person to contact regarding this report (<i>Print or type</i>) | | | | Telephone | Area code | Number | Extension |
| 667 | 1 | | | 2 | | | |
| Name of company | | | | Address (<i>Number and street, city, State, ZIP Code</i>) | | | |
| Period covered | FROM: Month | Day | Year | TO: Month | Day | Year | |
| | 666 | 1 | | 2 | | | |
| Signature of authorized person | | | Title | | | Date | |