

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

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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

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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	Railway electrical control equipment	361302 3	\$		
2	Brake equipment, truck assemblies, hooks and coupling devices, buffers, and parts thereof	374001 6			
3	Roller bearings (including mounted and unmounted)	356201 4			
4	Plain bearings and bushings	356810 2			
5	Speed changers, gears, and industrial high-speed drives	356601 5			
6	Fluid power products, including pumps, motors, valves, cylinders, rotary actuators, hose or tube fittings and assemblies, filters, etc. (hydraulic and pneumatic)	190090 1			
7	FABRICATED METAL PRODUCTS, EXCEPT FORGINGS				
	Bolts, nuts, screws, washers, rivets, and screw machine products	345001 2			
8	Other fabricated metal products, except fluid power products	340078 5			
9	IRON AND STEEL FORGINGS				
	Wheels and axles	346202 5			
10	Other	346203 3			
11	CASTINGS (ROUGH AND SEMIFINISHED)				
	Iron and steel	332001 7			
12	Nonferrous	336010 4			

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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	Thou-	Dollars
	Millions	sands					
13	Shapes and Forms (Except castings, forgings, and fabricated metal products)	STEEL	Bars, bar shapes, and plates	331007 5	\$		
14			Sheet and strip	331022 4			
15			Structural shapes and sheet piling	331023 2			
16			All other steel shapes and forms	331091 9			
17		Nonferrous metal shapes and forms	336002 1				
18	Cost of all other materials and components, parts, containers, and supplies consumed <i>Describe the three principal materials, etc., included in this value.</i>			970099 8			
19	TOTAL Sum of lines 1–18 should equal item 10, line a				\$		

Item 18A – Not applicable to this report

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

INSTRUCTIONS

- 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.
- 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 product code 93000 00 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 product code 99989 00 6, "Resales."
- Detailed Data Reported Elsewhere** – Items donated 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.
NOTE: Only CIR totals are requested; do not duplicate detail reported on the CIR.
- Rebuilt Locomotives, Passenger and Freight Cars** – Report the value of those units for which the cost of dismantling, improvement, and modernization is more than 50 percent of the replacement cost.

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					
1	Locomotives, Both New and Rebuilt, and Parts for Locomotives Sold Separately (37431)	LOCOMOTIVES	Rail locomotives powered from an external source of electricity	37431 02 0	\$		
2			Diesel-electric locomotives	37431 04 6			
3			Other rail locomotives	37431 05 3			
4		LOCOMOTIVE PARTS	Locomotive fuel lubricating or cooling medium pumps	37431 07 9			
5			Other parts for locomotives	37431 13 7			

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

Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports		Census product code 581	Products shipped and other receipts			
				Value, f.o.b. plant (E)			
				584	Thou-	Dollars	
(A)		(B)	Millions	sands			
6	Freight train and passenger train cars, new (37432)		37432 00 2	\$			
7	Street, Subway, Trolley and Rapid Transit Cars, All Rebuilt Passenger and Freight Train Cars and Parts for All Railcars (37433)	Rebuilt passenger and freight train cars (See instructions on page 6)	37433 01 8				
8		Self-propelled and nonself-propelled streetcars, subway cars, rapid transit, trolley buses, etc.	37433 05 9				
9		Other work and service railroad vehicles	37433 04 2				
10		PARTS AND ACCESSORIES FOR RAILROAD AND STREETCARS	Airbrake equipment	37433 11 7			
11			Other brake equipment	37433 12 5			
12			Hooks and other coupling devices, buffers, and parts thereof	37433 14 1			
13	Other railroad and streetcar parts and accessories, including truck assemblies		37433 19 0				
14	MOTORS AND GENERATORS	Motors and generators used for land transportation and associated control equipment (corresponds to item code 5310 as reported on CIR Form MA36H, Motors and Generators, for 1997)*	36213 00 7				
15		Prime mover generator sets (except steam or hydraulic turbine) (corresponds to the sum of item codes 7401-7449 and 7475 as reported on CIR Form MA36H, Motors and Generators, for 1997)*	36214 00 5				
16	Self-propelled golf carts (electric and gasoline powered) for carrying passengers and/or industrial in-plant personnel carriers		37993 82 1				
17	Automobile and light truck trailers (excluding travel and camping trailers) –Specify kind and use		37996 00 6				
18	ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT	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. For all remaining products, write "Other" and report a single total value.	18				
19			26				
20			34				
21			42				
22			59				
23			67				
24	CONTRACT WORK	Receipts for work done for others on their own materials Describe below products worked on and kind of work.	93000 00 8				

CONTINUE WITH ITEM 18B ON PAGE 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)		
					Millions	Thousands	Dollars
25	MISCELLANEOUS RECEIPTS	Sales of scrap and refuse		99980 13 8	\$		
26		Receipts for repair work		99980 61 7			
27		Other miscellaneous receipts		99980 98 9			
28	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			
29	TOTAL value of shipments and other receipts Sum of lines 1–28, column (E)			77000 00 8	\$		

Item 19. SELECTED PRODUCTS PRODUCED IN THIS ESTABLISHMENT AND USED IN MANUFACTURING OTHER PRODUCTS MADE IN THIS ESTABLISHMENT

INSTRUCTIONS

- 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 item 17.
- Materials used to produce the items specified below should be reported in item 17.
- Quantities produced for sale as such and not for incorporation in other products should be reported in item 18B.
- 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)
			Yes	No		
			591	592		
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

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	
Name of company		Address (<i>Number and street, city, State, ZIP Code</i>)				
Period covered	FROM: Month	Day	Year	TO: Month	Day	Year
Signature of authorized person	Title			Date		