

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

17 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 009700 99.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

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 **16**, line A5, 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.

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 **16**, line A2, not in **17**. The value of these products shipped by this establishment should be reported in **22** under Census product code 999899 1000, "Resales."

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Line No.	Materials, parts, and supplies	Census material code	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in)		
			\$ Bil.	Mil.	Thou.
0634		0630	0631		
1	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	333996 01			
2	Electric motors, generators, and parts	335312 07			
3	Speed changers, gears, and industrial high-speed drives	333612 00			
4	Machine tool accessories (including cutting tools)	333515 05			
	Castings (rough and semifinished)				
5	Iron and steel	331510 01			
6	Other nonferrous metal castings (including aluminum and aluminum-base alloy and copper and copper-base alloy)	331520 04			
7	Primary metal powders	331000 72			
8	Fabricated metal products (including forgings)	332000 05			

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17 DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES - Continued

Line No.	Materials, parts, and supplies	Census material code	Consumption of purchased materials and of materials received from other establishments of your company			
			Cost, including delivery cost (freight-in)			
			\$ Bil.	Mil.	Thou.	
0634		0630	0631			
9	Steel shapes and forms (excluding castings, forgings, and fabricated metal products)	331200 01				
10	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	331310 16				
11	Antifriction bearing components and parts (balls, rollers, cages, collars, races, etc.)	33 99 19				
12	Plain bearings and bushings	33 613 01				
13	Gaskets (all types) and packing and sealing devices (including asbestos packing)	339991 05				
14	Cost of all other materials and components, parts, containers, and supplies consumed (<i>Specify the principal materials, etc., included in this value.</i>) ↴	009700 99				
15	TOTAL (<i>Should equal total reported in 16, line A1</i>)	771000 00				

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18-21 Not Applicable.

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

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE

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.

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 code 999899 2100.

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 999899 1000, "Resale."

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Line No.	Products and services	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
	Nonaerospace-type hydraulic fluid power cylinders and actuators, linear and rotary (excluding electrohydraulic tie-rod types) Standard NFPA and JIC tie-rod type				
1	Less than 1,500 psi	333995 1110			
2	1,500 to 3,000 psi	333995 1120			
3	Greater than 3,000 psi	333995 1130			
4	Other tie-rod types	333995 1140			
5	Threaded/weld fused combination	333995 1150			
6	Telescoping	333995 1160			
7	Mill type	333995 1170			
8	Electrohydraulic types	333995 1190			
9	Hydraulic rotary actuators	333995 11A0			
10	Other nonaerospace-type hydraulic fluid power cylinders and actuators, linear and rotary (including those threaded at both ends)	333995 1180			

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

Line No.	Products and services	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
0734		0730	0731			
11	Nonaerospace-type pneumatic fluid power cylinders and actuators, linear and rotary					
	NFPA interchangeable cylinders, steel	333995 3110				
	NFPA interchangeable cylinders, aluminum					
12	Less than 1 1/2" bore size	333995 3120				
13	1-1/2" bore size and over	333995 3110				
14	Rodless cylinders	333995 3140				
	Other nonaerospace pneumatic cylinders					
15	Less than 1-1/2" bore size	333995 3150				
16	1-1/2" bore size and over	333995 3160				
17	Pneumatic rotary actuators	333995 3170				
	Parts for nonaerospace-type hydraulic and pneumatic fluid power cylinders and actuators					
18	Accumulators (bladder, piston, and other types)	333995 5110				
19	Shock absorbers, not for vehicle suspension, and cushions (hydraulic and pneumatic)	333995 5120				
20	Reservoirs, intensifiers, and other devices for fluid energy absorption and/or storage	333995 5130				
21	Accumulators, cushions, and nonvehicular shock absorbers, sold separately	333995 5140				
22	Parts for aerospace-type hydraulic and pneumatic cylinders, actuators, accumulators, cushions, and related items, sold separately	333995 5150				

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

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

Line No.	Products and services	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
0734		0730	0731			
	Aerospace-type fluid power cylinders and actuators					
	Hydraulic servo-actuator assemblies, linear and rotary					
23	Mechanical input	333995 7110				
24	Electrical input	333 95 7120				
25	Combination input	333 95 1130				
	Hydraulic utilities actuators					
26	Linear actuators (cylinders)	333995 7140				
27	Rotary actuators (limited rotation)	333995 7150				
28	Shock absorbers, snubbers, and cushions (all types) (excluding oleo strut assemblies)	333995 7160				
29	Aerospace-type fluid power pneumatic actuators, linear and rotary	333995 7170				
30	Accumulators (bladder, piston, and other types)	333995 7180				
31	Reservoirs, intensifiers, and other devices for fluid energy absorption and/or storage	333995 7190				
32	Other cylinders, rotary actuators, cushions and related items	333995 71A0				
	Nonaerospace-type reciprocating fluid power pumps					
33	Closed loop variable displacement axial piston	333996 1110				
34	Open loop variable displacement axial piston	333996 1120				
35	Fixed displacement axial piston	333996 1130				
36	Radial piston	333996 1140				

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

Line No.	Products and services	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
	Nonaerospace-type rotary and other fluid power pumps				
37	Internal gear (including gerotors)	333996 3110			
38	External gear	333996 3120			
39	Fixed and variable displacement vanes	333996 3150			
	Nonaerospace-type fluid power hydraulic motors				
40	Internal (excluding gerotor gear-types)	333996 5120			
41	Gerotor gear-types	333996 5130			
42	External gear	333996 5140			
43	Nonaerospace-type fluid power motors, pneumatic (air)	333996 5110			
	Nonaerospace-type fluid power motors (excluding pneumatic)				
44	Vane types, fixed and variable	333996 5150			
45	Radial piston-types, fixed and variable	333996 5160			
46	Fixed axial piston displacement	333996 5170			
47	Variable axial piston displacement	333996 5180			
48	Prime movers shipped with pumps or sold separately	333996 5190			
	Aerospace-type fluid power hydraulic pumps and motors				
49	Fixed and variable displacement types	333996 7110			
50	Electric motor assemblies, fixed and variable displacement types	333996 7120			
51	Other aerospace-type fluid power pump packages	333996 7130			
52	Aerospace-type fluid power motors, all kinds	333996 7170			

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

Line No.	Products and services	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
0734		0730	0731			
53	Parts for nonaerospace-type, hydraulic fluid power pumps, motors, and hydrostatic transmissions	333996 9110				
54	Parts for aerospace-type, hydraulic fluid power pumps, motors, and hydrostatic transmissions	333996 9120				
55	Parts for nonaerospace-type, pneumatic fluid power pumps, motors, and hydrostatic transmissions	333969 30				
56	Parts for aerospace-type, pneumatic fluid power pumps, motors, and hydrostatic transmissions	333969 140				
57	Aerospace-type hydraulic fluid power valves (Specify kind) ↴	332912 1YWW				
58	Nonaerospace-type hydraulic directional control valves (Specify kind) ↴	332912 5YWW				
59	Nonaerospace-type hydraulic valves (excluding directional control) (Specify kind) ↴	332912 7YWW				
60	Nonaerospace-type pneumatic directional control valves (Specify kind) ↴	332912 9YWW				
61	Nonaerospace-type pneumatic valves (excluding directional control) (Specify kind) ↴	332912 BYWW				
62	Parts for fluid power valves (Specify kind) ↴	332912 DYWW				
63	Nonaerospace-type flared (metal) fittings, couplings, and assemblies of tubing used in fluid power transfer systems (Specify kind) ↴	332912 HYWW				

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

Line No.	Products and services	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
0734		0730	0731			
64	Receipts for machine shop job work and job order repairs	332710 0100				
	All other products made in this establishment (<i>Specify and report each product with sales value of \$50,000 or more that cannot be assigned to one of the pre-listed products and services. For all remaining products, write "Other" and report a single total value.</i>)					
65		18				
66		26				
67		34				
68		42				
69		59				
70		67				
71	Contract work - Receipts for work done for others on their materials (<i>Specify products worked on and kind of work.</i>) ↴					
		999899 2000				
72	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (<i>The cost of such items should be reported in 19, line A2.</i>)	999899 1000				
73	Receipts for repair work	999899 9030				
74	Other miscellaneous receipts	999899 9091				
75	TOTAL (<i>Should equal total reported in 5</i>)	770000 0000				

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23-25 Not Applicable.

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26 SPECIAL INQUIRIES

A. PURCHASE OF CONTRACT MANUFACTURING

1. Did this establishment **purchase** contract manufacturing services from other companies or foreign plants of your company in 2012?

Include:

- Products for which the manufacturing (i.e., transforming or otherwise processing materials or components based on specifications provided by your company) was outsourced to other companies.
- Products for which the manufacturing was performed by your company's foreign plants.

Exclude:

- Services for packaging and assembling.
- Purchases of merchandise for resale (sale of products bought and sold without further processing or transformation).

1011 Yes - Go to line 2

1012 No - Go to **B**

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2. Report the costs incurred by this establishment for contract manufacturing purchased in 2012 1013

2012		
\$ Bil.	Mil.	Thou.

3. Report the value of sales, shipments, receipts, or revenue generated in 2012 from products whose purchases were reported as contract manufacturing costs in line 2 1015

2012		
\$ Bil.	Mil.	Thou.

B. RECEIPTS FROM CONTRACT MANUFACTURING

1. Did this establishment **provide** contract manufacturing services to others in 2012 (*regardless of materials ownership*)?

Include:

- Products manufactured at this location (i.e., transforming or otherwise processing materials or components based on specifications provided by the contracting company).
- Products manufactured and transferred to other plants of your company.
- Products manufactured and exported.

Exclude:

- Services for packaging and assembling.
- Sales of products purchased and sold without further processing or transformation.

1017 Yes - Go to line 2

1018 No - Go to **30**

2. Report the value of sales, shipments, receipts, or revenue generated in 2012 from contract manufacturing performed at this location for others (**regardless of materials ownership and based on specifications provided by the contracting company**) 1019

2012		
\$ Bil.	Mil.	Thou.

Please describe the product(s) being manufactured for others at this establishment. ↴

1020

27-29 Not Applicable.

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

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30 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?

Yes

No - Enter time period covered →

FROM	Month	Year	TO	Month	Year
	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>

Name of person to contact regarding this report

Title

Area code	Number	Extension
<input type="text"/>	<input type="text"/>	<input type="text"/>

Fax	Area code	Number
<input type="text"/>	<input type="text"/>	<input type="text"/>

E-mail address

Date completed	Month	Day	Year
	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Thank you for completing your 2012 ECONOMIC CENSUS form.
PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.**

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