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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

**Toll Operations** - Tolling must be performed for 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 the processed value of the products should be reported as a product shipment and a corresponding interplant transfer.

The figure for coal, line 34, should represent the amounts used as a raw material for the production of coke. Coal purchased for heat and power should be reported in **16**.

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Line No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities	Consumption of purchased materials and of materials received from other establishments of your company			
				Quantity	Cost, including delivery cost (freight-in)		
					\$ Bil.	Mil.	Thou.
	0634	0630	0636	0632	0631		
<b>1</b>	Sulfuric acid, new and spent (100 percent H <sub>2</sub> SO <sub>4</sub> ) . . . . .	325188 03	↑ short tons ↓				
	Shapes and forms (excluding castings, forgings, and fabricated metal products) Ferrous Steel						
<b>2</b>	Rod for wiredrawing . . . . .	331200 81					
<b>3</b>	Wire for redrawing . . . . .	331200 67					
<b>4</b>	All other steel shapes and forms (excluding rod and wire for wiredrawing) . . . . .	331200 74					

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

Line No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities	Consumption of purchased materials and of materials received from other establishments of your company				
				Quantity	Cost, including delivery cost (freight-in)			
					\$ Bil.	Mil.	Thou.	
0634		0630	0636	0632	0631			
	Shapes and forms - Continued							
	Ferrous - Continued							
	Ferroalloys							
5	Ferromanganese, silicomanganese, and manganese . . . . .	331112 03	↑ short tons ↓					
6	Ferrochromium . . . . .	331112 05						
7	Ferrosilicon (more than 8 percent silicon) . . . . .	331112 07						
8	Ferrovanadium . . . . .	331112 09						
9	Other ferroalloys (including silvery iron, ferrotungsten, ferromolybdenum, ferronickel, etc.) . . . . .	331112 01						
10	All other ferrous metal shapes and forms (excluding ferroalloys) . . . . .	331000 96						
	Nonferrous							
11	Aluminum and aluminum-base alloy . . . . .	331310 16						
12	Nickel (excluding ferronickel) . . . . .	331419 33	↑ short tons ↓					
13	Tin . . . . .	331419 39						
14	Zinc and zinc-base alloy . . . . .	331491 05						
15	All other nonferrous shapes and forms . . . . .	331419 05						
16	Pig iron shapes and forms (excluding silvery iron, castings, forgings, and fabricated metal products) . . . . .	331200 45	short tons					
	Castings							
17	Gray iron ingot molds and stools . . . . .	331511 03						
18	All other iron and steel castings . . . . .	331510 07						

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

Line No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities	Consumption of purchased materials and of materials received from other establishments of your company				
				Quantity	Cost, including delivery cost (freight-in)			
					\$ Bil.	Mil.	Thou.	
0634		0630	0636	0632	0631			
	Stone, clay, glass, and concrete products							
19	Clay refractories . . . . .	327124 00						
20	Nonclay refractories . . . . .	327125 00						
	Fluxes							
21	Dead-burned dolomite . . . . .	327410 09						
22	Fluorspar . . . . .	327992 09						
23	Other fluxes . . . . .	327992 11						
24	All other stone, clay, glass, and concrete products (excluding clay and nonclay refractories and fluxes) . . . . .	327000 14						
	Chemicals and allied products							
25	Industrial chemicals (excluding sulfuric acid and oxygen) . . . . .	325000 11						
26	Industrial chemicals (chemical reagents, calcium chloride, acidizing materials etc.) (excluding explosive materials, blasting accessories, and drilling fluids) . . . . .	325000 74						
27	Industrial chemicals (including acidizing materials) (excluding drilling fluids) . . . . .	325000 75						
28	Oxygen (including low and high purity) (liquid oxygen should be converted to its gaseous equivalent) . . . . .	325120 03						
29	All other chemicals and allied products (excluding industrial chemicals, oxygen, and sulfuric acid (100% H <sub>2</sub> SO <sub>4</sub> )) . . . . .	325000 40						

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

Line No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities	Consumption of purchased materials and of materials received from other establishments of your company				
				Quantity	Cost, including delivery cost (freight-in)			
					\$ Bil.	Mil.	Thou.	
0634		0630	0636	0632	0631			
<b>30</b>	Metal mining Iron ore (including pelletized and manganiferrous) Crude and concentrates (Report quantity in gross weight.) . . . . .	212210 11	↑ short tons					
<b>31</b>	Agglomerates (Report quantity in gross weight.) . . . . .	212210 09						
<b>32</b>	Manganese ore (including 1 to 5 percent manganese) and ferroalloy ore . . . . .	212290 01						
<b>33</b>	All other metal mining . . . . .	212200 13						
<b>34</b>	Coal used in the production of coke (Do not report coal used for heat and power.)	212110 01	↑ short tons					
<b>35</b>	Iron and steel scrap (excluding home scrap) . . . . .	330000 45	↓					
<b>36</b>	Direct-reduced iron (DRI) . . . . .	001900 53						
<b>37</b>	Lubricating oils and greases and other petroleum products . . . . .	324100 17						
<b>38</b>	Carbon and graphite electrodes . . . . .	335991 03						
<b>39</b>	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↘	009700 99						
<b>40</b>	<b>TOTAL</b> (Should equal total reported in 16, line A1) . . . . .	771000 00						

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**18** Not Applicable.

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**19** TYPE OF OPERATION

(Mark "X" the statements below that best describe the manufacturing operation(s) at this establishment during 2012.)

**Drawn plain wire**

- 0620 368  Either all or partly produced from rods or bars produced in this establishment
- 372  All produced from rods, bars, or redrawn wire purchased from other companies or received from other plants of the same company

**Cold-rolled and cold-finished sheet, strip, or bars**

- 380  Either all or partly produced from hot-rolled shapes produced in this establishment
- 382  All produced from hot-rolled shapes purchased from other companies or received from other plants of the same company

**Pipe and tube**

- 384  Either all or partly produced from semi-finished shapes or plate produced in this establishment
- 386  All produced from semi-finished shapes or plate purchased from other companies or received from other plants of the same company

**Steel forgings**

- 388  Either all or partly produced from ingot, blooms, billets, slabs, or bars produced in this establishment
- 390  All produced from ingot, blooms, billets, slabs, or bars purchased from other companies or received from other plants of the same company

**Wire products**

- 364  Either all or partly produced from wire drawn in this establishment from steel rods or bars produced in this establishment
- 370  Either all or partly produced from wire drawn in this establishment from steel rods or bars purchased from other companies or received from other plants of the same company
- 366  Either all or partly produced from nonferrous wire drawn in this establishment
- 378  All produced from plain wire purchased from other companies or received from other plants of the same company

**20 and 21** Not Applicable.

**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.

**Quantity Produced For All Purposes** - Report in this column the total quantity for each specified product made in this establishment during 2012. Do not report any data on the production of intermediate stages through which the metal may be processed in the production of other rolled, drawn, or extruded products. For example, if you purchase ingot or wire bars, roll them into rods and then draw wire from these rods, you should only report information on the wire in this section of the form; no information is necessary on the rods.

**Products Shipped and Other Receipts** - Report in these columns the value of all products made in this establishment which were physically shipped on consignment, whether or not sold at the end of the year. The value of the products shipped and services performed should be based on the net selling value, f.o.b. plant, after discounts and allowances, and exclusive of freight charges and excise taxes.

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

**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 2090.

**Toll Operations** - Tolling must be performed for 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 the processed value of the product should be reported as a product shipment and a corresponding interplant transfer.

**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, "Resales."

Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts				
					Quantity	Value, f.o.b. plant			
						\$ Bil.	Mil.	Thou.	
		0730	0736	0733	0732	0731			
	Coke oven products made in steel mills								
1	Coke . . . . .	331111 1101	short ton						
2	Screenings and breeze . . . . .	331111 1103							
3	Crude tar . . . . .	331111 1105							
4	Crude light oil . . . . .	331111 1107	1000 gal						
5	Other coke oven products made in steel mills (including tar derivatives, ammonia, light oil derivations, and coke oven gas) (Specify kind) ↴	331111 1109							
6	Blast furnace products made in steel mills (excluding ferroalloys) Pig iron (including pig iron with silicon content up to and including 6 percent silicon) . . . . .	331111 1111							
7	Slag . . . . .	331111 1113							
8	Blast furnace sinter from ore, flue dust, blast furnace gas and all other blast furnace products (Specify kind) ↴	331111 1119							

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

Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts			
					Quantity	Value, f.o.b. plant		
						\$ Bil.	Mil.	Thou.
0734		0730	0736	0733	0732	0731		
9	Products made in electric and other furnaces	331112 3100	↑ short tons ↓					
	Ferrosilicon and other silicon (including briquettes)							
10	Primary unalloyed silicon	331419 A121						
11	Super alloys and ferrous materials (excluding pig iron)	331112 721	↑ short tons ↓					
12	All other ferroalloys (including chromium alloys and additives, silvery iron, ferromanganese, ferromolybdenum, ferronickel, ferrotitanium, and ferrovanadium) (Specify kind) ↴	331112 7101						
13	Steel ingots and semifinished shapes and forms made in steel mills	331111 3112						
	Carbon steel ingots and semifinished shapes and forms							
14	Carbon steel, semifinished, blooms, billets, sheet bars, tin mill bars, tube rounds and skelp	331111 3114						
15	Carbon steel, semifinished, wire rods	331111 3116						
16	Carbon steel, semifinished, slabs	331111 3118						
17	Alloy steel (excluding stainless) ingots	331111 3122						
18	Alloy steel (excluding stainless), semifinished, blooms, billets, sheet bars, tin mill bars, tube rounds and skelp	331111 3124						
	Alloy steel (excluding stainless), semifinished, wire rods							
19	Alloy steel (excluding stainless), semifinished, wire rods	331111 3128						

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

Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts				
					Quantity	Value, f.o.b. plant			
						\$ Bil.	Mil.	Thou.	
0734		0730	0736	0733	0732	0731			
	Steel ingots and semifinished shapes and forms made in steel mills - Continued								
<b>20</b>	Alloy steel (excluding stainless), semifinished, slabs . . . . .	331111 3132							
<b>21</b>	Stainless steel ingots . . . . .	331111 3134							
<b>22</b>	Stainless steel, semifinished, blooms, billets, sheet bars, tin mill bars, tube rounds and skelp . . . . .	331111 3136							
<b>23</b>	Stainless steel, semifinished, wire rods . . . . .	331111 31A5							
	Hot rolled steel sheet and strip (including tin mill products, tinplate, blackplate, terneplate, and tin-free steel) made in steel mills								
<b>24</b>	Carbon steel, finished, cold rolled, made in plants producing hot rolled . . . . .	331111 5112							
<b>25</b>	Carbon steel, finished, sheet and strip, galvanized, hot dipped . . . . .	331111 5114							
<b>26</b>	Carbon steel, finished, sheet and strip, galvanized, electrolytic . . . . .	331111 5116							
<b>27</b>	Carbon steel, finished, sheet and strip, galvanized, electrical . . . . .	331111 5118							
<b>28</b>	Carbon steel, finished, sheet and strip, all other metallic coated, including long ternes . . . . .	331111 5122							
<b>29</b>	Carbon steel, finished, strip, hot rolled . . . . .	331111 5124							
<b>30</b>	Carbon steel, finished, tin mill, black plate . . . . .	331111 5126							
<b>31</b>	Carbon steel, finished, tin mill, electrolytic and hot dipped tin plate . . . . .	331111 5128							
<b>32</b>	Carbon steel, finished, tin free steel . . . . .	331111 5132							

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

Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts			
					Quantity	Value, f.o.b. plant		
						\$ Bil.	Mil.	Thou.
0734		0730	0736	0733	0732	0731		
	Hot rolled steel sheet and strip (including tin mill products, tinplate, blackplate, terneplate, and tin-free steel) made in steel mills - Continued							
<b>33</b>	Carbon steel, all other finished tin mill products (including short ternes and foil) . . . . .	331111 5134						
<b>34</b>	Alloy steel (excluding stainless), finished, sheet, hot rolled . . . . .	331111 5136						
<b>35</b>	Alloy steel (excluding stainless), finished, sheet and strip, galvanized, hot dipped . . . . .	331111 5138						
<b>36</b>	Alloy steel (excluding stainless), finished, all other metallic (including electrolytic) . . . . .	331111 5142						
<b>37</b>	Stainless steel, finished, sheet and strip, hot rolled . . . . .	331111 5144						
	Hot rolled steel bars and bar shapes, plates, structural shapes, and piling (including concrete reinforcing and tool steel bars) made in steel mills							
<b>38</b>	Carbon steel, finished products, plates in coils	331111 7112						
<b>39</b>	Carbon steel, finished product, structural shapes (heavy) wide flang . . . . .	331111 7114						
<b>40</b>	Carbon steel, finished product, sheet piling and bearing piles . . . . .	331111 7116						
<b>41</b>	Carbon steel, finished products, bars, hot rolled (excluding concrete reinforcing) . .	331111 7118						
<b>42</b>	Carbon steel, finished product, bars, light structural, under 3 inches . . . . .	331111 7122						

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

Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts				
					Quantity	Value, f.o.b. plant			
						\$ Bil.	Mil.	Thou.	
0734		0730	0736	0733	0732	0731			
<b>43</b>	Hot rolled steel bars and bar shapes, plates, structural shapes, and piling (including concrete reinforcing and tool steel bars) made in steel mills - Continued								
	Carbon steel, finished products, bars, concrete reinforcing bars . . . . .	331111 7124							
<b>44</b>	Alloy steel (excluding stainless), finished products, plates in coils	331111 7126							
	Alloy steel (excluding stainless), finished products, structural shapes (3 in. and under)	331111 7128							
<b>46</b>	Alloy steel (excluding stainless), finished products, tool steel, high speed . . . . .	331111 7132							
	Alloy steel (excluding stainless), finished products, tools steel, other than high speed . . . . .	331111 7134							
<b>48</b>	Stainless steel, finished products, plates and structurals . . . . .	331111 7136							
	Stainless steel, finished products, hot rolled bars	331111 7138							
<b>50</b>	Wire (including galvanized and other coated wire) made in steel mills								
	Carbon steel, finished product, steel wire from hot rolled bars or rods . . . . .	331111 9112							
<b>51</b>	Alloy steel, finished product, steel wire from hot rolled bars or rods . . . . .	331111 9114							
	Stainless steel, finished product, steel wire from hot rolled bars or rods . . . . .	331111 9116							

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

Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts				
					Quantity	Value, f.o.b. plant			
						\$ Bil.	Mil.	Thou.	
0734		0730	0736	0733	0732	0731			
	Wire (including galvanized and other coated wire) made in plants that draw wire		↑ short tons ↓						
53	Plain flat wire, carbon steel . . . . .	331222 5112							
54	Plain round wire, thermally treated under 1.5 mm in diameter, carbon steel . . . . .	331222 5114							
55	Plain round wire, thermally treated 1.5 mm or above, carbon steel . . . . .	331222 5116							
56	Plain other round wire under 1.5 mm in diameter, carbon steel . . . . .	331222 5118							
57	Plain other round wire 1.5 mm or above, carbon steel . . . . .	331222 5122							
58	Plain other shape wire, carbon steel . . . . .	331222 5124							
59	Round wire plated or coated with zinc, under 1.5 mm in diameter, carbon steel . . . . .	331222 5126							
60	Round wire plated or coated with zinc, 1.5 mm or above in diameter, carbon steel . . . . .	331222 5128							
61	Other shape wires plated or coated with zinc (including flat wire, carbon steel) . . . . .	331222 5132							
62	Other coated flat wire, carbon steel . . . . .	331222 5134							
63	Other coated round wire, carbon steel . . . . .	331222 5136							
64	Other shape coated wire, carbon steel . . . . .	331222 5138							
65	Other wire products, carbon steel . . . . .	331222 5142							
66	Wire plain coated, alloy steel . . . . .	331222 5144							

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

Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts				
					Quantity	Value, f.o.b. plant			
						\$ Bil.	Mil.	Thou.	
0734		0730	0736	0733	0732	0731			
	Wire (including galvanized and other coated wire) made in plants that draw wire - Continued		↑ ↓						
67	Round wire under 0.75 mm in diameter, stainless steel . . . . .	331222 5146							
68	Round wire 0.75 mm to under 1.5 mm in diameter, stainless steel	331222 5148							
69	Round wire, 1.5 mm and above, stainless steel . . .	331222 5152							
70	Other shape wire (including flat) stainless steel . . . . .	331222 5154							
71	Noninsulated ferrous wire rope and cable, made in plants that draw wire . . . .	331222 1112		short tons					
72	Noninsulated ferrous wire forms and strand, made in plants that draw wire . . . .	331222 1114							
73	Noninsulated ferrous wire forms and strand (including strand for prestressed concrete, composite wire strand (excluding aluminum conductor), and guard rail cable), made in plants that draw wire . . . . .	331222 1202							
74	Woven wire netting, carbon steel . . . . .	331222 9112							
75	Other woven wire, carbon steel . . . . .	331222 9114							
76	Other ferrous wire products (excluding springs), made in plants that draw wire (Specify kind) ↴	331222 B100							
77	Steel nails made in plants that draw wire . . . . .	331222 3101	↑ ↓						
78	Steel staples, tacks, spikes, and brads, made in plants that draw wire . . . . .	331222 3103		short tons					
79	Steel fencing and fence gates, made in plants that draw wire . . . . .	331222 7100							

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

Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts			
					Quantity	Value, f.o.b. plant		
						\$ Bil.	Mil.	Thou.
0734		0730	0736	0733	0732	0731		
80	Pipes and tubes made in steel mills							
	Carbon steel, finished products, hot rolled pipes and tubes . . . . .	331111 B112						
81	Alloy steel, finished products, hot rolled pipes and tubes . . . . .	331111 B114						
	Stainless steel, finished products, hot rolled pipes and tubes . . . . .	331111 B116						
83	Pipes and tubes manufacturing made from purchased steel							
	Carbon steel, finished products, line pipe 16 outside diameter and under . . . . .	331210 0112						
84	Carbon steel, finished products, line pipe over 16 outside diameter . . . . .	331210 0114						
	Carbon steel, finished products, pipes and tubes, oil country goods	331210 0116						
86	Carbon steel, finished products, pipes and tubes, seamless pressure tubing . . . . .	331210 0118						
	Carbon steel, finished products, pipes and tubes, welded pressure tubing . . . . .	331210 0122						
88	Carbon steel, finished products, pipes and tubes, seamless mechanical tubing . . . . .	331210 0124						
	Carbon steel, finished products, pipes and tubes, welded mechanical tubing . . . . .	331210 0126						
90	Carbon steel, finished products, pipes and tubes, structurals . . . . .	331210 0128						
	Carbon steel, finished products, pipes and tubes, miscellaneous (including standard) . . . . .	331210 0132						

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

Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts			
					Quantity	Value, f.o.b. plant		
						\$ Bil.	Mil.	Thou.
0734		0730	0736	0733	0732	0731		
<b>92</b>	Pipes and tubes manufacturing made from purchased steel - Continued							
	Alloy steel, finished products, pipes and tubes, oil country goods and line pipe . . . . .	331210 0134						
	Alloy steel, finished products, pipes and tubes, pressure tubing . . . . .	331210 0136						
	Alloy steel, finished products, pipes and tubes, mechanical tubing . . . . .	331210 0138						
	Alloy steel, finished products, pipes and tubes, miscellaneous (including standard and structural) . . . . .	331210 0142						
	Stainless steel, finished products, pipes and tubes, seamless pressure tubing . . . . .	331210 0144						
	Stainless steel, finished products, pipes and tubes, welded pressure tubing . . . . .	331210 0146						
	Stainless steel, finished products, pipes and tubes, seamless mechanical tubing . . . . .	331210 0148						
	Stainless steel, finished products, pipes and tubes, welded mechanical tubing . . . . .	331210 0152						
	Stainless steel, finished products, pipes and tubes, other . . . . .	331210 0154						
<b>101</b>	Cold rolled steel sheet and strip made in steel mills							
	Cold rolled steel sheet and strip, made in steel mills producing hot rolled sheet or strip . . . . .	331111 D100						

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

Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts				
					Quantity	Value, f.o.b. plant			
						\$ Bil.	Mil.	Thou.	
0734		0730	0736	0733	0732	0731			
102	Cold rolled steel sheet and strip made from purchased steel	331221 1112	↑						
	Carbon steel, finished product, strip, cold rolled . . . . .								
103	Carbon steel, finished product, sheet, cold rolled, made in hot roll plant . . . . .	331221 1114	↑ short tons ↓						
104	Alloy steel (excluding stainless) finished product, sheet, cold roll . . . . .	331221 1116							
105	Alloy steel (excluding stainless) finished product, sheet, cold roll, made in hot roll plant . . . . .	331221 1118							
106	Stainless steel, finished product, sheet and strip, cold roll . . . . .	331221 1122							
107	Cold finished steel bars and bar shapes made in steel plants	331111 F100							
	Cold finished steel bars and bar shapes, made in steel mills producing hot rolled bars and bar shapes . . . . .								
108	Cold finished steel bars and bar shapes made from purchased steel	331221 3112	↑						
	Carbon steel, finished product, bars, cold finished, made in hot roll plant . . . . .					short tons			
109	Alloy steel, finished product, bars, cold finish . . . . .	331221 3114	↓						
110	Stainless steel, finished product, bars, cold finish . . . . .	331221 3116							
111	Other steel mill products (including steel rails) (excluding wire products) (Specify kind) ↘	331111 L100							

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CONTINUE WITH 22 ON PAGE 26

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

Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts				
					Quantity	Value, f.o.b. plant			
						\$ Bil.	Mil.	Thou.	
0734		0730	0736	0733	0732	0731			
<b>112</b>	Iron and steel forgings Seamless rolled ring forgings, ferrous, Seamless carbon steel and alloy steel rolled ring forgings (excluding stainless and hi-temperature), made in steel mills . . . . .	331111 H101							
<b>113</b>	Seamless stainless steel and hi-temperature (iron, nickel, or cobalt-base alloy) rolled ring forgings, made in steel mills . . . . .	331111 H203							
<b>114</b>	Open die and smith forgings, ferrous (hammer and press) Carbon and alloy steel open die and smith forgings (hammer and press) (excluding stainless and hi-temperature) made in steel mills . . . . .	331111 J101							
<b>115</b>	Stainless steel and hi-temperature (iron, nickel, or cobalt-base alloy) open die and smith forgings (hammer and press), made in steel mills . . . . .	331111 J203							
<b>116</b>	Hot impression die impact, press, and upset steel forgings Carbon steel . . . . .	332111 1101							
<b>117</b>	Alloy steel forgings, (excluding stainless and hi-temp) . . . . .	332111 1206							
<b>118</b>	Stainless steel . . . . .	332111 1311							
<b>119</b>	Iron and steel powders, paste, and flakes, made from purchased steel . . . . .	331221 5100		1000 lb					
<b>120</b>	Secondary copper and copper-base alloy powders, paste, and flakes . . . . .	331423 0101							

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

Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts			
					Quantity	Value, f.o.b. plant		
						\$ Bil.	Mil.	Thou.
0734		0730	0736	0733	0732	0731		
	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> )							
121		18						
122		16						
123		34						
124		42						
125		59						
126		67						
127	Contract work Receipts for conversion of steel for other companies (including fees received from both steel-producing and nonsteel companies)	999899 2010						
128	Receipts for processing (drawing, redrawing, insulating) materials owned by others	999899 2015						
129	All other receipts for work done for others on their materials ( <i>Specify kind</i> )	999899 2090						
130	Resales - Sales of products bought and sold without further manufacture, processing, or assembly ( <i>The cost of such items should be reported in 15, line A2.</i> )	999899 1000						

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CONTINUE WITH 22 ON PAGE 28

CONTINUE ON PAGE 28

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

Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts				
					Quantity	Value, f.o.b. plant			
						\$ Bil.	Mil.	Thou.	
0734		0730	0736	0733	0732	0731			
<b>131</b>	Miscellaneous receipts								
	Sales of scrap and refuse . . . . .	999899 9003							
<b>132</b>	Receipts for research and development . . . . .	999899 9021							
<b>133</b>	Other miscellaneous receipts (including receipts for repair work, etc.) . . . . .	999899 9090							
<b>134</b>	<b>TOTAL</b> (Should equal total reported in <b>5</b> ) . . . . .	1000000000							

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**23-25** Not Applicable.

**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**

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

**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.

33101288

CONTINUE WITH **26** ON PAGE 29

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26 SPECIAL INQUIRIES - Continued

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 C

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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)

2012		
\$ Bil.	Mil.	Thou.
<input type="text"/>	<input type="text"/>	<input type="text"/>

1019

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

1020

C. STEEL MILL OPERATIONS

1. Was this establishment considered a mini-mill?

8051  Yes - Go to line 2

8052  No - Go to D

2. Date this establishment was built

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

8055

3. Greatest distance that you shipped your products

Miles
<input type="text"/>

8056

4. Shortest distance that you shipped your products

<input type="text"/>
----------------------

8057

CONTINUE WITH 26 ON PAGE 30

33101296

**26** SPECIAL INQUIRIES - Continued

**D. DEPARTMENTAL OPERATIONS**

*(All establishments should complete this item except electrometallurgical plants. If you do not maintain actual departmental records on hours worked and wages of production workers, please enter estimates.)*

- 1. Coke ovens . . . . . 01
- 2. Blast furnaces . . . . . 02
- 3. Basic oxygen furnaces . . . . . 03
- 4. Electric arc furnaces . . . . . 04
- 5. Steel department (furnaces) (through primary stage) . . . . . 05
- 6. Rolling and finishing mills
  - a. Sheet and strip mills . . . . . 06
  - b. Tin mills . . . . . 07
  - c. Bar mills, including rebars . . . . . 08
  - d. Wiredrawing mills . . . . . 09
  - e. Pipe mills . . . . . 10
  - f. Other mills, including semifinishing, plate, and structural . . . . . 11
- 7. Foundry (iron or steel) . . . . . 12
- 8. Forging (presses, hammers, or upsetter), excluding manufacture of nuts, bolts, etc. . . . . 13
- 9. Other manufacturing or fabricating departments (nuts, bolts, steel containers, etc.) . . . . . 14
- 10. Service or auxiliary operations (all other activities not directly assignable above) . . . . . 15
- 11. **TOTAL** (Sum lines 1 through 10) . . . . . 00

Cen- sus use	Total for 2012					
	Hours worked by production workers			Wages paid to production workers		
	Thou.			\$ Mil.	Thou.	
	81			82		
01						
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
00						

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**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"/>

Area code	Number
<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.**

33101312

