

Catalogue no. 41-019-X

# Steel, Tubular Products and Steel Wire

August 2008



Statistics  
Canada

Statistique  
Canada

Canada

## How to obtain more information

For information about this product or the wide range of services and data available from Statistics Canada, visit our website at [www.statcan.ca](http://www.statcan.ca), e-mail us at [infostats@statcan.ca](mailto:infostats@statcan.ca), or telephone us, Monday to Friday from 8:30 a.m. to 4:30 p.m., at the following numbers:

### Statistics Canada's National Contact Centre

Toll-free telephone (Canada and the United States):

Inquiries line	1-800-263-1136
National telecommunications device for the hearing impaired	1-800-363-7629
Fax line	1-877-287-4369

Local or international calls:

Inquiries line	1-613-951-8116
Fax line	1-613-951-0581

### Depository Services Program

Inquiries line	1-800-635-7943
Fax line	1-800-565-7757

## To access this product

This product, Catalogue no. 41-019-X, is available free in electronic format. To obtain a single issue, visit our website at [www.statcan.ca](http://www.statcan.ca) and select "Publications" > "Free Internet publications."

## Standards of service to the public

Statistics Canada is committed to serving its clients in a prompt, reliable and courteous manner. To this end, Statistics Canada has developed *standards of service* that its employees observe. To obtain a copy of these service standards, please contact Statistics Canada toll-free at 1-800-263-1136. The service standards are also published on [www.statcan.ca](http://www.statcan.ca) under "About us" > "Providing services to Canadians."

Statistics Canada  
Manufacturing, Construction and Energy Division

# Steel, Tubular Products and Steel Wire

August 2008

Published by authority of the Minister responsible for Statistics Canada

© Minister of Industry, 2008

All rights reserved. The content of this electronic publication may be reproduced, in whole or in part, and by any means, without further permission from Statistics Canada, subject to the following conditions: that it be done solely for the purposes of private study, research, criticism, review or newspaper summary, and/or for non-commercial purposes; and that Statistics Canada be fully acknowledged as follows: Source (or "Adapted from", if appropriate): Statistics Canada, year of publication, name of product, catalogue number, volume and issue numbers, reference period and page(s). Otherwise, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form, by any means—electronic, mechanical or photocopy—or for any purposes without prior written permission of Licensing Services, Client Services Division, Statistics Canada, Ottawa, Ontario, Canada K1A 0T6.

October 2008

Catalogue no. 41-019-X, vol. 4, no. 8

ISSN 1712-980X

Frequency: Monthly

Ottawa

La version française de cette publication est disponible sur demande (n° 41-019-X au catalogue).

---

#### **Note of appreciation**

*Canada owes the success of its statistical system to a long standing partnership between Statistics Canada, the citizens of Canada, its businesses, governments and other institutions. Accurate and timely statistical information could not be produced without their continued cooperation and goodwill.*

# User information

---

## Symbols

The following standard symbols are used in Statistics Canada publications:

- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0<sup>s</sup> value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- p preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the *Statistics Act*
- E use with caution
- F too unreliable to be published

# Table of contents

---

<b>Highlights</b>	<b>4</b>
<b>Related products</b>	<b>5</b>
<b>Statistical tables</b>	
1 Steel primary forms and pig iron	7
1-1 Disposition of net shipments of rolled steel products, by product, monthly 2008	7
1-2 Disposition of net shipments of rolled steel products, by product, year-to-date 2008	9
1-3 Production of pig iron	10
1-4 Pig iron and scrap charged to steel furnaces	11
1-5 Production and shipments of steel, primary forms, monthly	11
1-6 Production and shipments of steel, primary forms, year-to-date	11
2 Steel pipe and tubing	12
2-1 Production and shipments, monthly 2008	12
2-2 Production and shipments, year-to-date 2008	13
3 Steel and specified wire products	14
3-1 Factory shipments, monthly	14
3-2 Factory shipments, year-to-date	14
<b>Data quality, concepts and methodology</b>	
Concepts, methodology and data quality	15
Definitions	17

## Highlights

---

### August 2008

- Between July 2008 and August 2008 production of primary steel and pig iron decreased 0.3% to 1,360,556 metric tonnes.
- In the same month, the total disposition of shipments of rolled steel products decreased 20.0% to 1,210,872 metric tonnes.
- Between July 2008 and August 2008, production of steel pipe and tubing increased 11.7% to 199,875 metric tonnes.
- Total shipments of steel wire and specified wire products increased 1.6% to 45,694 metric tonnes in August 2008.

## Related products

---

### Selected CANSIM tables from Statistics Canada

---

303-0046	Production and shipments of steel pipe and tubing
303-0047	Production and shipments of steel wire and specified wire products
303-0048	Production and shipments of pig iron
303-0049	Pig iron and scrap products charged to furnace, by the primary metal industry
303-0050	Production and shipments of steel casting and primary forms steel products
303-0051	Destination of net shipments of rolled steel products to consuming industries

---

### Selected surveys from Statistics Canada

---

2105	Steel Pipe and Tubing
2106	Steel Wire and Specified Wire Products
2116	Steel Primary Forms, Steel Castings and Pig Iron
2184	Disposition of Shipments of Ingots and Rolled Steel Products

---

# Statistical tables

---

---



**Table 1-1**  
**Steel primary forms and pig iron — Disposition of net shipments <sup>1</sup> of rolled steel products, by product, monthly 2008**

SDC No.	Steel primary forms	Rails and heavy structural sections	Intermediate structural sections	Light structural sections	Concrete reinforcing bars	Other hot rolled bars	Wire rods	Railway track material
metric tonnes								
<b>August</b>								
<b>Domestic shipments</b>								
11 Steel service centres and other wholesalers and warehouses	0	x	5,466	4,241	2,632	20,754	2,218	.
21 Motor vehicles and parts	183	.	.	.	.	x	73	.
22 Railway operating	0	.	.	.	21	0	0	.
23 Railroad cars and locomotives	.	x	.	.	.	.	.	.
24 Shipbuilding	0	.	.	.	.	.	.	.
31 Steel fabrication	0	x	2,479	1,773	52,262	16,055	0	.
32 Metal building systems	.	.	.	.	0	0	.	.
33 Contractors' products	.	0	0	.	x	x	0	.
34 Miscellaneous stamping and coating	0	0	885	150	.	x	.	.
41 Natural resources and extractive industries	.	.	0	0	955	x	0	.
51 Agricultural equipment	.	0	11	2	0	128	.	.
52 Non electrical machinery	.	0	0	0	.	239	0	.
53 Electrical machinery	.	.	.	.	.	0	.	.
54 Industrial packaging material	.	.	.	.	.	0	.	.
61 Pipes and tubes	.	.	.	.	.	0	.	.
62 Wire and wire products	0	.	.	.	0	1,901	22,212	.
63 Containers and closures	.	.	.	.	.	.	.	.
64 Appliances and utensils industries	.	.	.	.	.	.	.	.
70 Miscellaneous industries	.	0	.	.	0	x	.	.
<b>Total domestic shipments</b>	<b>183</b>	<b>x</b>	<b>8,841</b>	<b>6,166</b>	<b>x</b>	<b>58,062</b>	<b>24,503</b>	<b>0</b>
<b>Total domestic alloy shipments</b>	<b>0</b>	.	.	.	.	<b>x</b>	<b>0</b>	.
<b>Exports <sup>2</sup> (for final sale)</b>								
81 Exports to the United States	x	x	7,365	4,499	0	22,219	33,055	.
82 Exports to other countries (excluding United States)	x	90	177	.	0	16,704	728	0
<b>Total disposition</b>	<b>x</b>	<b>x</b>	<b>16,383</b>	<b>10,665</b>	<b>x</b>	<b>96,985</b>	<b>58,286</b>	<b>0</b>
<b>Total alloy shipments</b>	<b>0</b>	.	.	.	.	<b>x</b>	<b>0</b>	.
Producers interchange, for sale	x	.	0	.	.	479	59	.
Exports for conversion and return <sup>2</sup>	.	.	.	.	.	0	.	.
Imports by producers (including conversion)	0	.	.	.	.	.	0	.

See footnotes at the end of the table.

Table 1-1 – continued

Steel primary forms and pig iron — Disposition of net shipments <sup>1</sup> of rolled steel products, by product, monthly 2008

SDC No.	Cold finished bars	Plates <sup>3</sup>	Hot rolled sheets and coils	Cold reduced sheets and strip and other cold rolled and coated	Tin plate and tin free steel (T.F.S.)	Galvanized sheets including galvalume	Total, rolled steel products
metric tonnes							
<b>August</b>							
<b>Domestic shipments</b>							
11 Steel service centres and other wholesalers and warehouses	x	x	123,423	x	1,278	x	248,641
21 Motor vehicles and parts	1,169	0	25,674	x	0	x	83,035
22 Railway operating	.	0	.	.	.	.	21
23 Railroad cars and locomotives	.	x	0	.	.	.	x
24 Shipbuilding	.	.	.	.	.	.	0
31 Steel fabrication	x	x	x	0	.	x	86,917
32 Metal building systems	.	.	0	.	.	x	x
33 Contractors' products	x	x	x	1,614	.	x	36,806
34 Miscellaneous stamping and coating	x	123	982	x	.	x	x
41 Natural resources and extractive industries	54	0	0	0	.	0	x
51 Agricultural equipment	54	0	0	0	.	.	195
52 Non electrical machinery	0	837	204	0	.	0	1,280
53 Electrical machinery	.	.	0	976	.	2,238	3,214
54 Industrial packaging material	.	.	x	x	0	0	x
61 Pipes and tubes	0	0	x	x	.	x	202,234
62 Wire and wire products	x	.	x	105	.	232	25,258
63 Containers and closures	0	.	x	x	6,522	.	x
64 Appliances and utensils industries	.	.	.	6,751	.	x	x
70 Miscellaneous industries	x	x	0	.	.	.	1,282
<b>Total domestic shipments</b>	<b>4,046</b>	<b>x</b>	<b>361,123</b>	<b>x</b>	<b>7,800</b>	<b>x</b>	<b>752,488</b>
<b>Total domestic alloy shipments</b>	<b>164</b>	<b>0</b>	.	<b>0</b>	.	.	<b>x</b>
<b>Exports <sup>2</sup> (for final sale)</b>							
81 Exports to the United States	749	x	x	x	9,846	x	352,953
82 Exports to other countries (excluding United States)	0	x	x	2,373	375	9,181	105,431
<b>Total disposition</b>	<b>4,795</b>	<b>x</b>	<b>539,833</b>	<b>72,803</b>	<b>18,021</b>	<b>x</b>	<b>1,210,872</b>
<b>Total alloy shipments</b>	<b>164</b>	<b>0</b>	.	<b>0</b>	.	.	<b>x</b>
Producers interchange, for sale	0	.	x	0	.	0	x
Exports for conversion and return <sup>2</sup>	.	.	0	0	.	0	0
Imports by producers (including conversion)	.	0	3,804	3,355	.	0	7,159

1. Compiled by principal consuming industries, according to distribution of shipments reported by iron and steel mills.

2. These data include exports reported by steel producers only and are not the same as published in the Exports by commodities, catalogue number 65-004-XPB.

3. Effective January 2000, producers have changed the way they report hot rolled products. The result is a change in definitions. Plates including plates for pipes and tubes becomes plates. Hot rolled sheet and strip becomes hot rolled sheets and coils and now includes all hot rolled flat products in coils, regardless of thickness.

**Table 1-2**  
**Steel primary forms and pig iron — Disposition of net shipments <sup>1</sup> of rolled steel products, by product, year-to-date 2008**

SDC No.	Steel primary forms	Rails and heavy structural sections	Intermediate structural sections	Light structural sections	Concrete reinforcing bars	Other hot rolled bars	Wire rods	Railway track material
metric tonnes								
<b>Domestic shipments</b>								
11 Steel service centres and other wholesalers and warehouses	24	x	69,532	x	49,803	180,750	2,926	.
21 Motor vehicles and parts	2,255	.	.	.	.	x	229	.
22 Railway operating	0	.	.	.	21	0	0	.
23 Railroad cars and locomotives	.	x	.	.	.	.	.	.
24 Shipbuilding	0	.	.	.	.	.	.	.
31 Steel fabrication	0	x	15,895	27,929	359,325	122,915	1	.
32 Metal building systems	.	.	.	.	0	0	.	.
33 Contractors' products	.	0	0	.	x	x	1,046	.
34 Miscellaneous stamping and coating	0	26	4,183	x	.	x	.	.
41 Natural resources and extractive industries	.	.	97	19	x	x	0	.
51 Agricultural equipment	.	18	80	85	0	x	.	.
52 Non electrical machinery	.	17	9	3	.	x	0	.
53 Electrical machinery	.	.	.	.	.	0	.	.
54 Industrial packaging material	.	.	.	.	.	0	.	.
61 Pipes and tubes	.	.	.	.	.	0	.	.
62 Wire and wire products	350	.	.	.	0	x	200,181	.
63 Containers and closures	.	.	.	.	.	.	.	.
64 Appliances and utensils industries	.	.	.	.	.	.	.	.
70 Miscellaneous industries	.	0	.	.	0	x	.	.
<b>Total domestic shipments</b>	<b>2,629</b>	<b>x</b>	<b>89,796</b>	<b>94,019</b>	<b>x</b>	<b>529,279</b>	<b>204,383</b>	<b>0</b>
<b>Total domestic alloy shipments</b>	<b>0</b>	.	.	.	.	<b>x</b>	<b>0</b>	.
<b>Exports <sup>2</sup> (for final sale)</b>								
81 Exports to the United States	x	x	100,420	71,499	39	245,878	298,234	.
82 Exports to other countries (excluding United States)	x	688	1,142	.	64	133,431	x	0
<b>Total disposition</b>	<b>x</b>	<b>x</b>	<b>191,358</b>	<b>165,518</b>	<b>x</b>	<b>908,588</b>	<b>x</b>	<b>0</b>
<b>Total alloy shipments</b>	<b>0</b>	.	.	.	.	<b>x</b>	<b>0</b>	.
Producers interchange, for sale	x	.	0	.	.	8,200	205	.
Exports for conversion and return <sup>2</sup>	.	.	.	.	.	0	.	.
Imports by producers (including conversion)	12,601	.	.	.	.	.	0	.

See footnotes at the end of the table.

Table 1-2 – continued

Steel primary forms and pig iron — Disposition of net shipments<sup>1</sup> of rolled steel products, by product, year-to-date 2008

SDC No.	Cold finished bars	Plates <sup>3</sup>	Hot rolled sheets and coils	Cold reduced sheets and strip and other cold rolled and coated	Tin plate and tin free steel (T.F.S.)	Galvanized sheets including galvalume	Total, rolled steel products
	metric tonnes						
<b>Domestic shipments</b>							
11 Steel service centres and other wholesalers and warehouses	x	x	1,309,247	x	7,510	x	2,632,239
21 Motor vehicles and parts	x	0	351,755	x	0	x	915,948
22 Railway operating	.	0	.	.	.	.	21
23 Railroad cars and locomotives	.	x	0	.	.	.	x
24 Shipbuilding	.	.	.	.	.	.	0
31 Steel fabrication	x	x	x	x	.	x	614,931
32 Metal building systems	.	.	x	.	.	x	x
33 Contractors' products	x	x	x	x	.	x	345,227
34 Miscellaneous stamping and coating	x	x	x	x	.	x	x
41 Natural resources and extractive industries	438	x	1	0	.	327	x
51 Agricultural equipment	x	x	123	764	.	.	x
52 Non electrical machinery	0	x	2,342	0	.	55	x
53 Electrical machinery	.	.	157	15,343	.	8,049	23,549
54 Industrial packaging material	.	.	x	x	47	0	x
61 Pipes and tubes	171	x	x	x	.	x	1,382,896
62 Wire and wire products	x	.	x	996	.	x	227,179
63 Containers and closures	0	.	x	x	60,158	.	x
64 Appliances and utensils industries	.	.	.	49,128	.	x	x
70 Miscellaneous industries	x	x	0	.	.	.	x
<b>Total domestic shipments</b>	<b>x</b>	<b>x</b>	<b>3,126,023</b>	<b>x</b>	<b>67,715</b>	<b>x</b>	<b>6,734,728</b>
<b>Total domestic alloy shipments</b>	<b>2,259</b>	<b>0</b>	<b>.</b>	<b>0</b>	<b>.</b>	<b>.</b>	<b>x</b>
<b>Exports<sup>2</sup> (for final sale)</b>							
81 Exports to the United States	9,193	x	x	x	x	x	3,544,448
82 Exports to other countries (excluding United States)	14	x	x	x	x	111,562	864,690
<b>Total disposition</b>	<b>x</b>	<b>x</b>	<b>4,673,172</b>	<b>x</b>	<b>167,083</b>	<b>x</b>	<b>11,143,866</b>
<b>Total alloy shipments</b>	<b>2,436</b>	<b>0</b>	<b>.</b>	<b>0</b>	<b>.</b>	<b>.</b>	<b>x</b>
Producers interchange, for sale	0	.	x	x	.	5	x
Exports for conversion and return <sup>2</sup>	.	.	0	0	.	0	0
Imports by producers (including conversion)	.	23,758	83,349	34,338	.	0	154,046

1. Compiled by principal consuming industries, according to distribution of shipments reported by iron and steel mills.
2. These data include exports reported by steel producers only and are not the same as published in the Exports by commodities, catalogue number 65-004-XPB.
3. Effective January 2000, producers have changed the way they report hot rolled products. The result is a change in definitions. Plates including plates for pipes and tubes becomes plates. Hot rolled sheet and strip becomes hot rolled sheets and coils and now includes all hot rolled flat products in coils, regardless of thickness.

Table 1-3  
Steel primary forms and pig iron — Production of pig iron

	August		Year-to-date	
	2007	2008	2007	2008
	metric tonnes			
Production of pig iron	601,790	796,996	5,478,396	6,649,517

**Table 1-4**  
**Steel primary forms and pig iron — Pig iron and scrap charged to steel furnaces**

	August		Year-to-date	
	2007	2008	2007	2008
	metric tonnes			
Pig iron including pre-reduced iron	581,824	790,041	5,821,352	6,469,266
<b>Scrap</b>				
Own make	117,241	123,145	1,243,447	1,085,476
Purchased	491,700	565,455	4,359,647	4,734,384
<b>Total, pig iron and scrap products</b>	<b>1,190,765</b>	<b>1,478,641</b>	<b>11,424,446</b>	<b>12,289,126</b>

**Table 1-5**  
**Steel primary forms and pig iron — Production and shipments of steel, primary forms, monthly**

	Production		Shipments	
	2007	2008	2007	2008
	metric tonnes			
<b>August</b>				
<b>Steel, primary forms (carbon and alloy including continuous cast steel)</b>				
Electric furnace	516,730	536,935	x	x
Basic oxygen furnace	578,149	823,621	x	x
<b>Steel, primary forms - Total</b>	<b>1,094,879</b>	<b>1,360,556</b>	<b>158,572</b>	<b>230,664</b>
<b>Included in "Steel primary forms total" above</b>				
Continuous cast steel	1,085,312	1,355,338	150,375	223,744

**Table 1-6**  
**Steel primary forms and pig iron — Production and shipments of steel, primary forms, year-to-date**

	Production		Shipments	
	2007	2008	2007	2008
	metric tonnes			
<b>Steel, primary forms (carbon and alloy including continuous cast steel)</b>				
Electric furnace	4,384,897	4,413,513	x	x
Basic oxygen furnace	6,007,816	6,800,915	x	x
<b>Steel, primary forms - Total</b>	<b>10,392,713</b>	<b>11,214,428</b>	<b>1,073,668</b>	<b>1,995,210</b>
<b>Included in "Steel primary forms total" above</b>				
Continuous cast steel	10,273,361	11,114,659	1,034,410	1,887,050

**Table 2-1  
Steel pipe and tubing — Production and shipments, monthly 2008**

	Production	Shipments for sale		Total shipments
		Domestic shipments <sup>1</sup>	Exports <sup>2</sup>	
metric tonnes				
<b>August</b>				
<b>Total, pipe and tubing</b>	<b>199,875</b>	<b>121,073</b>	<b>68,755</b>	<b>189,828</b>
<b>Pipe welded and seamless</b>				
<b>Line pipe</b>				
up to and including 4 1/2" (11.43 cm) outside diameter	4,403	1,641	0	1,641
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	5,980	3,902	0	3,902
over 16" (40.64 cm) outside diameter	32,425	23,193	3,258	26,451
<b>Hollow structural sections</b>				
up to and including 16" (40.64 cm) periphery	17,859	10,022	9,926	19,948
over 16" (40.64 cm) periphery	49,082	16,179	32,923	49,102
<b>Standard pipe</b>				
up to and including 4 1/2" (11.43 cm) outside diameter	6,097	1,286	3,454	4,740
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	1,714	1,437	337	1,774
<b>Other pipe</b>				
up to and including 4 1/2" (11.43 cm) outside diameter	2,091	310	1,631	1,941
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	1,604	385	96	481
over 16" (40.64 cm) outside diameter	x	61	73	134
<b>Mechanical tubing</b>				
Mechanical tubing, welded, produced from hot rolled	19,348	11,578	5,042	16,620
Mechanical tubing, welded, produced from cold rolled	6,791	3,335	3,147	6,482
<b>Oil country tubular goods</b>				
Oil country tubular goods, welded and seamless, casing (including coupling)	42,657	38,308	7,118	45,426
Oil country tubular goods, welded and seamless, oilwell tubing (including coupling)	8,575	8,404	1,430	9,834
<b>Other tubular products</b>	x	1,032	320	1,352

1. Including for own use by the steel pipe and tubing industries.

2. As reported by respondents to this survey. For total exports see Exports by commodity, catalogue number 65-004-XPB.

**Table 2-2**  
**Steel pipe and tubing — Production and shipments, year-to-date 2008**

	Production	Shipments for sale		Total shipments
		Domestic shipments <sup>1</sup>	Exports <sup>2</sup>	
metric tonnes				
<b>Year-to-date</b>				
<b>Total, pipe and tubing</b>	<b>1,714,717</b>	<b>938,446</b>	<b>848,043</b>	<b>1,786,489</b>
<b>Pipe welded and seamless</b>				
<b>Line pipe</b>				
up to and including 4 1/2" (11.43 cm) outside diameter	21,170	25,826	1,660	27,486
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	43,440	58,521	2,667	61,188
over 16" (40.64 cm) outside diameter	343,647	106,116	211,418	317,534
<b>Hollow structural sections</b>				
up to and including 16" (40.64 cm) periphery	181,080	104,950	96,516	201,466
over 16" (40.64 cm) periphery	426,286	136,597	285,473	422,070
<b>Standard pipe</b>				
up to and including 4 1/2" (11.43 cm) outside diameter	45,893	18,396	28,454	46,850
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	12,094	x	x	13,599
<b>Other pipe</b>				
up to and including 4 1/2" (11.43 cm) outside diameter	16,182	x	x	13,258
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	6,727	x	x	6,116
over 16" (40.64 cm) outside diameter	x	x	x	3,847
<b>Mechanical tubing</b>				
Mechanical tubing, welded, produced from hot rolled	148,796	101,854	44,874	146,728
Mechanical tubing, welded, produced from cold rolled	79,427	33,260	22,894	56,154
<b>Oil country tubular goods</b>				
Oil country tubular goods, welded and seamless, casing (including coupling)	314,194	x	x	384,061
Oil country tubular goods, welded and seamless, oilwell tubing (including coupling)	62,253	x	x	64,901
<b>Other tubular products</b>	x	15,006	6,225	21,231

1. Including for own use by the steel pipe and tubing industries.

2. As reported by respondents to this survey. For total exports see Exports by commodity, catalogue number 65-004-XPB.

**Table 3-1**  
**Steel and specified wire products — Factory shipments 1, monthly**

	Shipments				Production
	2007	2008			
		Total shipments	Domestic shipments	Exports <sup>2</sup>	
metric tonnes					
<b>August</b>					
Barbed wire	99	x	x	x	.
Uncoated steel wire	18,539	14,602	7,891	6,711	.
Galvanized steel wire	13,254	11,933	4,768	7,165	.
Other coated steel wire	x	x	x	x	.
Farm fencing and wire chain link fabric	900	x	x	x	2,956
Wire mesh, bright or uncoated and galvanized	4,732	5,337	x	x	5,390
Wire rope	2,674	3,159	x	x	3,663
Nails and staples	x	x	x	x	x
Wire roofing nails of a length of 25 mm or more, iron or steel	5,013	1,620	583	1,037	1,557
Staples of iron or steel	x	x	x	x	x
All other wire products	x	1,611	1,606	5	1,630
<b>Grand total</b>	<b>47,212</b>	<b>45,694</b>	<b>26,460</b>	<b>19,234</b>	.

1. Totals may not add due to rounding.

2. As reported by respondents to this survey. For total exports see Exports by commodity, catalogue number 65-004-XPB.

**Table 3-2**  
**Steel and specified wire products — Factory shipments 1, year-to-date**

	Shipments				Production
	2007	2008			
		Total shipments	Domestic shipments	Exports <sup>2</sup>	
metric tonnes					
Barbed wire	x	x	x	x	.
Uncoated steel wire	139,379	143,167	75,973	67,194	.
Galvanized steel wire	104,358	109,639	44,058	65,581	.
Other coated steel wire	x	x	x	x	.
Farm fencing and wire chain link fabric	x	x	x	x	x
Wire mesh, bright or uncoated and galvanized	36,479	43,630	x	x	44,954
Wire rope	23,885	x	x	x	x
Nails and staples	x	x	x	x	x
Wire roofing nails of a length of 25 mm or more, iron or steel	36,530	15,308	5,343	9,965	12,654
Staples of iron or steel	x	x	x	x	x
All other wire products	x	x	x	36	x
<b>Grand total</b>	<b>370,094</b>	<b>411,964</b>	<b>237,032</b>	<b>174,932</b>	.

1. Totals may not add due to rounding.

2. As reported by respondents to this survey. For total exports see Exports by commodity, catalogue number 65-004-XPB.



## Concepts, methodology and data quality

---

This publication presents the results of four monthly surveys: Steel Primary Forms, Steel Castings and Pig Iron; Ingots and Rolled Steel Products; Steel Pipe and Tubing; and Steel Wire and Specified Wire Products. These surveys measure, on a monthly basis, the quantities of selected steel products that are produced and shipped by Canadian manufacturers. The target population for these surveys includes manufacturers in Canada of primary steel, steel products, pig iron, steel pipe and tubing as well as, steel wire as defined in the Standard Classification of Goods (SCG) that report these products to the Annual Survey of Manufactures and Logging or ASML (Survey ID 2103). This means that estimates from the monthly surveys do not cover the entire universe of steel producers in Canada because the ASML does not survey all businesses. Instead, the ASML uses administrative data to cover the small and medium-sized establishments. These manufacturers are not part of the four monthly surveys.

### General methodology

Data are collected each month, directly from survey respondents using a mail-out / mail-back process. Data capture and preliminary editing are performed simultaneously to ensure validity of the data. Businesses from whom no response has been received or whose data may contain errors are followed-up by telephone or fax.

Missing data for the current month are imputed automatically by applying to the previous month's value, the month-to-month change observed for the same period in the previous year, for the unit in question. However, an option exists for analysts to manually override this imputation with a better estimate based on pertinent knowledge about the industry or the business.

Various confidentiality rules are applied to all data before they are released to prevent the publication or disclosure of any information deemed confidential. If necessary, data are suppressed to prevent the direct or residual disclosure of identifiable data.

Direct disclosure could occur when the value in a tabulation cell is composed of a few respondents or when the cell is dominated by a few companies. Residual disclosure could occur when confidential information can be derived indirectly by piecing together information from different sources or data series.

Under normal circumstances, data are collected, captured, edited, tabulated and published within 6-8 weeks after the reference month.

### Revisions

Data may be revised to include amended information or reports from respondents that are received after the end of a collection cycle. Revisions are disseminated in subsequent periods and reflected in the CANSIM series and in the tables of this publication.

### Data accuracy

The methodology of these surveys has been designed to promote data accuracy. Since data are collected from all Canadian producers of primary steel, steel products, pig iron, steel pipe and tubing and steel wire within the target population, the resulting estimates are not subject to sampling error. However, the results are still subject to the non-sampling errors associated with coverage, non-response, inaccurate reporting, and processing. Errors relating to coverage and non-response can be measured and are summarized in text table 1. All attempts are made to control inaccurate reporting and processing errors.

Moreover, survey results are analyzed to ensure comparability with patterns observed in historical data series and the economic condition of the industry. Information available from other sources such as the Steel Primary Forms Weekly Survey (Survey ID 2131) and the Monthly Survey of Manufacturing or MSM (Survey ID 2101) are also used in the validation process.

### Coverage error

There is a degree of under coverage (referred to as coverage error) in the survey results as there is generally a lag between the time a new business comes into existence and when it is included in the universe of these sub-annual surveys. This occurs because the list of businesses surveyed is derived from the latest available survey results for the ASML which are not available until 15 months after the reference period.

This error is kept at a minimum by also using advance information from the ASML frame, feedback from the MSM and other sources such as the Canadian Steel Producer’s Association, trade journals and newspaper articles, to identify new survey units.

### Non-response error

Some respondents may be unable to provide data for numerous reasons (i.e. fire, theft, strike, economic hardship, etc.), while others may be late in responding. To minimize non-response, delinquent respondents are followed up rigorously by phone or fax. Data for non-responding units are imputed using industry trend and other related information. Data are revised at a later date, if completed questionnaires are received after the end of a collection cycle.

### Inaccurate response

Inaccuracy may result from poor questionnaire design or an inability on the part of respondents to provide the requested information or from misinterpretation of the survey questions. To reduce such errors the format and wording in the questionnaire are reviewed from time to time and modified based on feedback from survey respondents and data users. Respondents are also reminded of the importance of their contribution and of the need for accurate data reporting.

### Processing errors

These errors may occur at various stages in the processing of survey data such as data entry, verification, editing and tabulation. Data are examined for such errors using automated edits along with an analytical review by subject matter experts. Several checks are performed on the collected data to verify internal consistency and comparability over time.

**Text table 1**  
**Coverage and non-response errors**

	Coverage error based on ASML 2004	Non-response error- annual average 2005
	percent	
Steel primary forms steel castings and pig iron	0	6
Ingots and rolled steel products	3	0
Steel pipe and tubing	0	0
Steel wire	0	0

# Definitions

---

## Shipments:

Shipments refer to the quantity of manufactured goods that are shipped, during the reference period from the plant to customers in domestic or export markets.

## Production:

Production refers to the quantity of goods manufactured in Canada during a reference period including intermediate products. The final goods may be shipped or retained in inventory.

## Exports:

Shipments of goods destined for customers outside of Canada.

## Disposition of shipments:

Disposition of shipments refers to the distribution of shipped quantities of manufactured goods by end use (market).

## Coverage ratio:

The share of total ASM shipment values for products included in a given sub-annual survey from businesses surveyed by the same sub-annual survey.

## Non-response rate:

Number of non-responses in the year, divided by the number of total expected responses in the year.

More detailed information is available from the Annual Survey of Manufactures and Logging, CANSIM Table 301-0003. Specific enquiries should be directed to: The Marketing and Dissemination Section, Manufacturing, Construction and Energy Division, Statistics Canada, Ottawa, Ontario, K1A 0T6 (Telephone: 1-866-873-8789 or (613) 951-9497; Fax: (613) 951-9499; Internet: [manufact@statcan.gc.ca](mailto:manufact@statcan.gc.ca) ).