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Steel, Tubular Products and Steel Wire

June 2008



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Statistics Canada
Manufacturing, Construction and Energy Division

Steel, Tubular Products and Steel Wire

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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
- 0s 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

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Highlights

June 2008

- Monthly production of primary steel and pig iron decreased 3.5% in June 2008 to 1,417,426 metric tonnes.
- In the same month, the total disposition of shipments of rolled steel products fell 1.8% to 1,349,765 metric tonnes.
- Between May 2008 and June 2008, production of steel pipe and tubing increased 3.3% to 221,759 metric tonnes.
- Total shipments of steel wire and specified wire products declined 9.5% to 49,220 metric tonnes in June 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 ¹ 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								
June								
Domestic shipments								
11 Steel service centres and other wholesalers and warehouses	0	x	7,024	8,825	3,737	17,726	35	.
21 Motor vehicles and parts	351	.	.	.	.	15,146	0	.
22 Railway operating	0	.	.	.	.	0	0	.
23 Railroad cars and locomotives	.	x	.	.	.	.	.	.
24 Shipbuilding	0	.	.	.	.	.	.	.
31 Steel fabrication	0	x	1,227	3,928	33,857	14,028	1	.
32 Metal building systems	.	.	.	.	0	0	.	.
33 Contractors' products	.	0	0	.	156	x	99	.
34 Miscellaneous stamping and coating	0	26	292	325	.	217	.	.
41 Natural resources and extractive industries	.	.	43	19	1,008	13,195	0	.
51 Agricultural equipment	.	0	9	6	0	x	.	.
52 Non electrical machinery	.	0	0	0	.	x	0	.
53 Electrical machinery	.	.	.	.	.	0	.	.
54 Industrial packaging material	.	.	.	.	.	0	.	.
61 Pipes and tubes	.	.	.	.	.	0	.	.
62 Wire and wire products	0	.	.	.	0	x	21,062	.
63 Containers and closures	.	.	.	.	.	.	.	.
64 Appliances and utensils industries	.	.	.	.	.	.	.	.
70 Miscellaneous industries	.	0	.	.	0	x	.	.
Total domestic shipments	351	x	8,595	13,103	38,758	62,927	21,197	0
Total domestic alloy shipments	0	.	.	.	.	10,774	0	.
Exports ² (for final sale)								
81 Exports to the United States	x	x	10,031	8,882	0	26,027	39,348	.
82 Exports to other countries (excluding United States)	x	90	237	.	0	21,269	1,235	0
Total disposition	123,781	x	18,863	21,985	38,758	110,223	61,780	0
Total alloy shipments	0	.	.	.	.	13,879	0	.
Producers interchange, for sale	x	.	0	.	.	1,139	8	.
Exports for conversion and return ²	.	.	.	.	.	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 ¹ of rolled steel products, by product, monthly 2008

SDC No.	Cold finished bars	Plates ³	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							
June							
Domestic shipments							
11 Steel service centres and other wholesalers and warehouses	x	x	181,132	x	981	34,590	327,198
21 Motor vehicles and parts	x	0	34,305	x	0	44,708	103,702
22 Railway operating	.	0	.	.	.	.	0
23 Railroad cars and locomotives	.	x	0	.	.	.	x
24 Shipbuilding	.	.	.	.	.	.	0
31 Steel fabrication	x	x	x	0	.	2,622	64,314
32 Metal building systems	.	.	x	.	.	x	3,395
33 Contractors' products	x	x	5,631	x	.	x	47,778
34 Miscellaneous stamping and coating	x	15	819	7,464	.	x	29,313
41 Natural resources and extractive industries	34	0	1	0	.	66	14,366
51 Agricultural equipment	x	x	0	0	.	.	1,277
52 Non electrical machinery	0	x	571	0	.	0	1,109
53 Electrical machinery	.	.	157	2,990	.	1,736	4,883
54 Industrial packaging material	.	.	0	x	0	0	x
61 Pipes and tubes	0	0	x	x	.	x	152,664
62 Wire and wire products	x	.	644	173	.	x	23,109
63 Containers and closures	0	.	x	x	2,543	.	x
64 Appliances and utensils industries	.	.	.	4,946	.	2,107	7,053
70 Miscellaneous industries	x	x	0	.	.	.	x
Total domestic shipments	5,292	x	376,092	59,876	3,524	149,583	790,615
Total domestic alloy shipments	184	0	.	0	.	.	10,958
Exports ² (for final sale)							
81 Exports to the United States	1,304	x	169,193	26,986	x	30,613	441,356
82 Exports to other countries (excluding United States)	4	x	31,990	2,349	x	21,132	117,794
Total disposition	6,600	x	577,275	89,211	18,475	201,328	1,349,765
Total alloy shipments	184	0	.	0	.	.	14,063
Producers interchange, for sale	0	.	x	0	.	0	x
Exports for conversion and return ²	.	.	0	0	.	0	0
Imports by producers (including conversion)	.	7,132	10,782	2,790	.	0	20,704

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 ¹ 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								
Domestic shipments								
11 Steel service centres and other wholesalers and warehouses	24	x	57,566	x	43,754	138,069	703	.
21 Motor vehicles and parts	1,744	.	.	.	.	78,040	156	.
22 Railway operating	0	.	.	.	.	0	0	.
23 Railroad cars and locomotives	.	x	.	.	.	.	.	.
24 Shipbuilding	0	.	.	.	.	.	.	.
31 Steel fabrication	0	x	12,432	23,141	268,132	92,839	1	.
32 Metal building systems	.	.	.	.	0	0	.	.
33 Contractors' products	.	0	0	.	468	x	835	.
34 Miscellaneous stamping and coating	0	26	2,676	x	.	x	.	.
41 Natural resources and extractive industries	.	.	97	19	6,999	69,163	0	.
51 Agricultural equipment	.	18	69	83	0	x	.	.
52 Non electrical machinery	.	17	9	0	.	x	0	.
53 Electrical machinery	.	.	.	.	.	0	.	.
54 Industrial packaging material	.	.	.	.	.	0	.	.
61 Pipes and tubes	.	.	.	.	.	0	.	.
62 Wire and wire products	350	.	.	.	0	x	155,474	.
63 Containers and closures	.	.	.	.	.	.	.	.
64 Appliances and utensils industries	.	.	.	.	.	.	.	.
70 Miscellaneous industries	.	0	.	.	0	x	.	.
Total domestic shipments	2,118	x	72,849	77,589	319,353	410,754	157,169	0
Total domestic alloy shipments	0	.	.	.	.	97,267	0	.
Exports ² (for final sale)								
81 Exports to the United States	x	x	85,098	59,259	39	194,084	249,411	.
82 Exports to other countries (excluding United States)	x	508	856	.	0	99,099	x	0
Total disposition	723,120	x	158,803	136,848	319,392	703,937	x	0
Total alloy shipments	0	.	.	.	.	134,249	0	.
Producers interchange, for sale	x	.	0	.	.	7,425	109	.
Exports for conversion and return ²	.	.	.	.	.	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 ¹ of rolled steel products, by product, year-to-date 2008

SDC No.	Cold finished bars	Plates ³	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							
Domestic shipments							
11 Steel service centres and other wholesalers and warehouses	x	x	1,013,764	x	5,517	269,866	2,062,501
21 Motor vehicles and parts	x	0	286,207	x	0	296,707	732,626
22 Railway operating	.	0	.	.	.	.	0
23 Railroad cars and locomotives	.	x	0	.	.	.	x
24 Shipbuilding	.	.	.	.	.	.	0
31 Steel fabrication	x	x	x	x	.	x	458,163
32 Metal building systems	.	.	x	.	.	x	16,781
33 Contractors' products	x	x	30,992	x	.	x	271,077
34 Miscellaneous stamping and coating	x	x	27,398	29,205	.	x	185,060
41 Natural resources and extractive industries	356	0	1	0	.	325	76,960
51 Agricultural equipment	x	x	123	764	.	.	x
52 Non electrical machinery	0	x	1,732	0	.	55	x
53 Electrical machinery	.	.	157	13,978	.	3,289	17,424
54 Industrial packaging material	.	.	x	x	47	0	x
61 Pipes and tubes	171	x	x	x	.	x	1,030,426
62 Wire and wire products	x	.	x	753	.	x	177,056
63 Containers and closures	0	.	x	x	48,252	.	x
64 Appliances and utensils industries	.	.	.	37,064	.	x	x
70 Miscellaneous industries	x	x	0	.	.	.	x
Total domestic shipments	x	x	2,398,466	410,954	53,816	953,445	5,207,933
Total domestic alloy shipments	1,754	0	.	0	.	.	99,021
Exports ² (for final sale)							
81 Exports to the United States	7,415	x	848,277	171,656	x	219,500	2,685,704
82 Exports to other countries (excluding United States)	14	x	183,989	x	x	90,559	526,123
Total disposition	x	x	3,430,732	x	127,836	1,263,504	8,419,760
Total alloy shipments	1,931	0	.	0	.	.	136,180
Producers interchange, for sale	0	.	x	x	.	5	x
Exports for conversion and return ²	.	.	0	0	.	0	0
Imports by producers (including conversion)	.	19,104	73,365	22,250	.	0	127,320

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

	June		Year-to-date	
	2007	2008	2007	2008
metric tonnes				
Production of pig iron	747,809	853,527	4,410,331	5,021,830

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

	June		Year-to-date	
	2007	2008	2007	2008
	metric tonnes			
Pig iron including pre-reduced iron	768,869	832,815	4,567,311	4,871,138
Scrap				
Own make	172,658	137,211	999,870	830,046
Purchased	575,285	563,008	3,350,550	3,615,915
Total, pig iron and scrap products	1,516,812	1,533,034	8,917,731	9,317,099

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			
June				
Steel, primary forms (carbon and alloy including continuous cast steel)				
Electric furnace	555,169	536,185	100,840	x
Basic oxygen furnace	805,228	881,241	70,733	x
Steel, primary forms - Total	1,360,397	1,417,426	171,573	269,384
Included in "Steel primary forms total" above				
Continuous cast steel	1,343,524	1,404,127	166,917	252,939

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			
Steel, primary forms (carbon and alloy including continuous cast steel)				
Electric furnace	3,356,336	3,359,735	540,480	x
Basic oxygen furnace	4,746,480	5,129,532	218,606	x
Steel, primary forms - Total	8,102,816	8,489,267	759,086	1,464,344
Included in "Steel primary forms total" above				
Continuous cast steel	8,009,189	8,409,537	732,243	1,380,697

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

	Production	Shipments for sale		Total shipments
		Domestic shipments ¹	Exports ²	
metric tonnes				
June				
Total, pipe and tubing	221,759	127,067	116,141	243,208
Pipe welded and seamless				
Line pipe				
up to and including 4 1/2" (11.43 cm) outside diameter	1,729	1,187	209	1,396
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	6,415	7,259	709	7,968
over 16" (40.64 cm) outside diameter	34,475	23,305	22,740	46,045
Hollow structural sections				
up to and including 16" (40.64 cm) periphery	30,169	17,000	18,045	35,045
over 16" (40.64 cm) periphery	66,038	19,904	42,320	62,224
Standard pipe				
up to and including 4 1/2" (11.43 cm) outside diameter	5,625	2,560	2,536	5,096
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	396	753	391	1,144
Other pipe				
up to and including 4 1/2" (11.43 cm) outside diameter	2,263	319	2,110	2,429
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	764	594	48	642
over 16" (40.64 cm) outside diameter	x	186	24	210
Mechanical tubing				
Mechanical tubing, welded, produced from hot rolled	18,605	13,146	5,491	18,637
Mechanical tubing, welded, produced from cold rolled	10,881	4,659	3,201	7,860
Oil country tubular goods				
Oil country tubular goods, welded and seamless, casing (including coupling)	37,593	29,068	14,940	44,008
Oil country tubular goods, welded and seamless, oilwell tubing (including coupling)	4,684	4,803	1,830	6,633
Other tubular products	x	2,324	1,547	3,871

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 ¹	Exports ²	
metric tonnes				
Year-to-date				
Total, pipe and tubing	1,335,909	684,495	709,314	1,393,809
Pipe welded and seamless				
Line pipe				
up to and including 4 1/2" (11.43 cm) outside diameter	12,646	23,172	1,539	24,711
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	31,129	46,567	2,667	49,234
over 16" (40.64 cm) outside diameter	280,167	54,114	201,960	256,074
Hollow structural sections				
up to and including 16" (40.64 cm) periphery	140,094	83,563	76,608	160,171
over 16" (40.64 cm) periphery	330,049	103,560	222,692	326,252
Standard pipe				
up to and including 4 1/2" (11.43 cm) outside diameter	36,418	15,757	22,567	38,324
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	7,570	x	x	9,753
Other pipe				
up to and including 4 1/2" (11.43 cm) outside diameter	13,194	x	x	10,664
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	4,215	x	x	4,539
over 16" (40.64 cm) outside diameter	x	x	x	3,380
Mechanical tubing				
Mechanical tubing, welded, produced from hot rolled	114,009	80,397	35,459	115,856
Mechanical tubing, welded, produced from cold rolled	66,147	27,144	17,139	44,283
Oil country tubular goods				
Oil country tubular goods, welded and seamless, casing (including coupling)	240,422	193,102	93,900	287,002
Oil country tubular goods, welded and seamless, oilwell tubing (including coupling)	49,175	30,883	14,874	45,757
Other tubular products	x	12,197	5,612	17,809

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		Exports ²	
		Total shipments	Domestic shipments		
	metric tonnes				
June					
Barbed wire	x	x	x	x	.
Uncoated steel wire	17,847	16,201	8,638	7,563	.
Galvanized steel wire	13,622	12,754	4,654	8,100	.
Other coated steel wire	x	x	x	x	.
Farm fencing and wire chain link fabric	895	3,108	x	x	3,174
Wire mesh, bright or uncoated and galvanized	4,730	5,432	x	x	5,659
Wire rope	2,555	2,754	x	x	3,210
Nails and staples	5,450	x	x	x	x
Wire roofing nails of a length of 25 mm or more, iron or steel	5,316	2,044	745	1,299	1,841
Staples of iron or steel	134	x	x	x	x
All other wire products	x	x	x	5	1,960
Grand total	47,695	49,220	27,857	21,363	.

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		Exports ²	
		Total shipments	Domestic shipments		
	metric tonnes				
Barbed wire	x	x	x	x	.
Uncoated steel wire	106,271	113,464	60,281	53,183	.
Galvanized steel wire	79,189	85,425	34,385	51,040	.
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	27,522	33,417	x	x	34,473
Wire rope	19,408	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	27,099	12,133	4,081	8,052	9,854
Staples of iron or steel	x	x	x	x	x
All other wire products	x	x	x	27	x
Grand total	283,217	321,301	184,865	136,436	.

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).