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STATISTICAL RELEASE

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Manufacturing: Production and sales (Preliminary)

July 2019

The results published today are based on a new sample. This is an annual procedure which typically affects the level of sales. To avoid breaks in time series and to minimise revisions to historical growth rates, historical sales levels were revised (i.e. they were linked to the estimates based on the new sample).

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The South Africa I know, the home I understand



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Production: results for July 2019

Table A – Key growth rates in the volume of manufacturing production

	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19
Year-on-year % change, unadjusted	0,4	1,0	4,7	0,5	-3,6	-1,1
Month-on-month % change, seasonally adjusted	-1,5	0,8	2,8	-2,3	-1,9	0,4
3-month % change, seasonally adjusted ¹	-0,8	-2,1	-1,1	0,3	0,6	-1,4

¹ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Manufacturing production decreased by 1,1% in July 2019 compared with July 2018. The largest negative contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (-8,0% and contributing -1,8 percentage points);
- basic iron and steel, non-ferrous metal products, metal products and machinery (-4,4% and contributing -0,8 of a percentage point); and
- wood and wood products, paper, publishing and printing (-5,1% and contributing -0,6 of a percentage point).

The largest positive contributions were made by the following divisions:

- food and beverages (7,0% and contributing 1,9 percentage points); and
- motor vehicles, parts and accessories and other transport equipment (7,6% and contributing 0,6 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 0,4% in July 2019 compared with June 2019. This followed month-on-month changes of -1,9% in June 2019 and -2,3% in May 2019 – see Table A.

Seasonally adjusted manufacturing production decreased by 1,4% in the three months ended July 2019 compared with the previous three months. Six of the ten manufacturing divisions reported negative growth rates over this period.

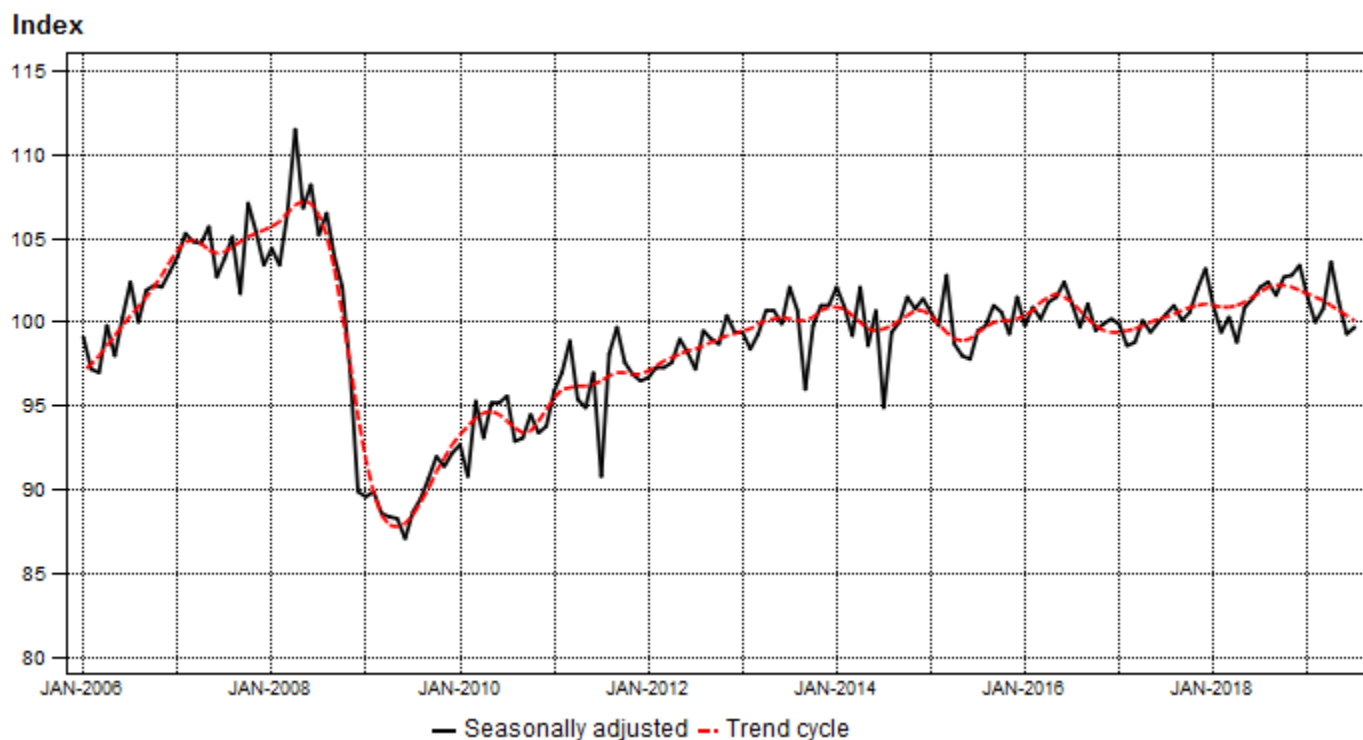
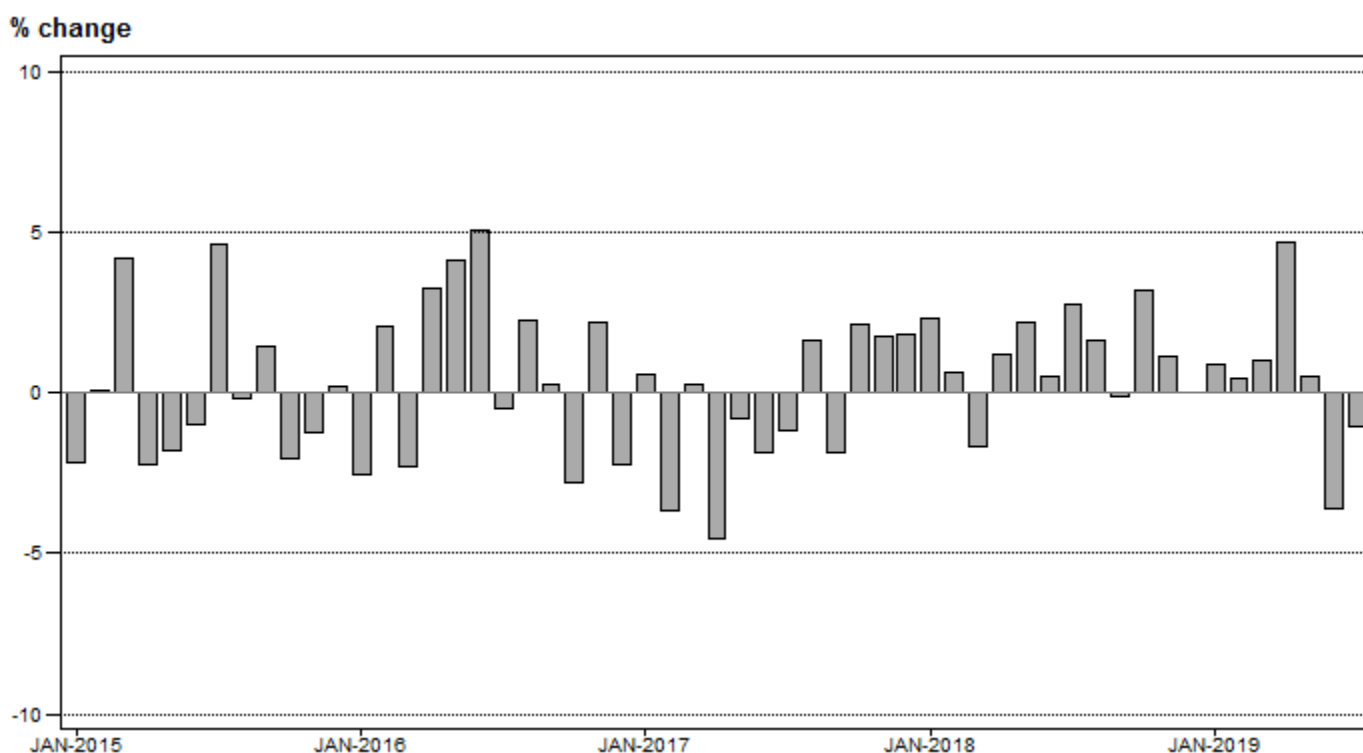
The largest negative contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (-4,5% and contributing -1,0 percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (-5,0% and contributing -1,0 percentage point).

The largest positive contribution was made by the food and beverages division (2,9% and contributing 0,8 of a percentage point) – see Table B.

Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Feb – Apr 2019	May – Jul 2019	% change between Feb – Apr 2019 and May – Jul 2019	Contribution (% points) to the total % change
Food and beverages	26,64	107,8	110,9	2,9	0,8
Meat, fish, fruit, etc.	6,69	104,5	104,3	-0,2	0,0
Dairy products	2,15	113,1	119,2	5,4	0,1
Grain mill products	3,37	97,7	97,7	0,0	0,0
Other food products	8,14	109,3	121,3	11,0	1,0
Beverages	6,29	112,8	108,6	-3,7	-0,3
Textiles, clothing, leather and footwear	3,12	86,7	88,9	2,5	0,1
Textiles	0,78	92,8	98,9	6,6	0,0
Other textile products	0,40	93,5	93,6	0,1	0,0
Knitted, crocheted articles	0,09	88,0	85,2	-3,2	0,0
Wearing apparel	1,04	81,4	81,6	0,2	0,0
Leather and leather products	0,46	77,4	75,2	-2,8	0,0
Footwear	0,35	93,5	102,3	9,4	0,0
Wood and wood products, paper, publishing and printing	11,45	95,1	95,1	0,0	0,0
Sawmilling and planing of wood	1,73	99,1	100,1	1,0	0,0
Products of wood	2,57	98,8	101,2	2,4	0,1
Paper and paper products	4,14	98,2	98,0	-0,2	0,0
Publishing	1,43	78,6	75,6	-3,8	0,0
Printing, recorded media	1,58	91,7	89,3	-2,6	0,0
Petroleum, chemical products, rubber and plastic products	23,07	98,6	94,2	-4,5	-1,0
Coke, petroleum products and nuclear fuel	8,67	101,8	90,1	-11,5	-1,0
Basic chemicals	4,29	91,5	91,9	0,4	0,0
Other chemical products	6,19	95,7	94,0	-1,8	-0,1
Rubber products	1,24	95,8	102,8	7,3	0,1
Plastic products	2,68	107,4	107,7	0,3	0,0
Glass and non-metallic mineral products	3,18	95,5	91,2	-4,5	-0,1
Glass and glass products	0,66	117,8	109,1	-7,4	-0,1
Non-metallic mineral products	2,52	89,6	86,6	-3,3	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	104,7	99,5	-5,0	-1,0
Basic iron and steel products	3,57	117,3	103,6	-11,7	-0,5
Non-ferrous metal products	2,58	106,0	104,7	-1,2	0,0
Structural metal products	1,99	88,6	86,1	-2,8	0,0
Other fabricated metal products	3,79	108,9	101,1	-7,2	-0,3
General purpose machinery	2,58	99,3	97,2	-2,1	-0,1
Special purpose machinery	3,41	102,1	99,6	-2,4	-0,1
Household appliances	0,77	92,7	96,6	4,2	0,0
Electrical machinery	1,64	84,5	81,1	-4,0	-0,1
Radio, television and communication apparatus and professional equipment	1,54	93,0	88,9	-4,4	-0,1
Radio, television and communication apparatus	0,90	101,2	94,4	-6,7	-0,1
Professional equipment	0,64	81,5	81,2	-0,4	0,0
Motor vehicles, parts and accessories and other transport equipment	7,56	104,9	106,8	1,8	0,1
Motor vehicles	2,82	109,7	105,1	-4,2	-0,1
Bodies for motor vehicles, trailers and semi-trailers	0,47	113,2	115,1	1,7	0,0
Parts and accessories	3,04	110,0	119,2	8,4	0,3
Other transport equipment	1,23	78,2	76,7	-1,9	0,0
Furniture and other manufacturing	3,11	98,6	94,0	-4,7	-0,1
Furniture	1,07	88,2	87,1	-1,2	0,0
Other manufacturing groups	2,04	104,0	97,6	-6,2	-0,1
Total	100	101,5	100,1	-1,4	-1,4

Figure 1 – Volume of manufacturing production (Base: 2015=100)**Figure 2 – Volume of manufacturing production (Base: 2015=100): year-on-year percentage change**

Sales: results for July 2019

Table C – Key growth rates in manufacturing sales at current prices

	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19
Year-on-year % change, unadjusted	5,9	8,6	14,8	4,0	3,9	4,5
Month-on-month % change, seasonally adjusted	-1,2	1,3	3,0	-3,5	1,5	0,2
3-month % change, seasonally adjusted ¹	-1,3	0,0	1,3	1,9	1,5	-0,1

¹ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Seasonally adjusted manufacturing sales increased by 0,2% in July 2019 compared with June 2019. This followed month-on-month changes of 1,5% in June 2019 and -3,5% in May 2019 – see Table C.

Table D – Seasonally adjusted manufacturing sales at current prices for the latest three months by division

Manufacturing division	Feb – Apr 2019 (R million)	May – Jul 2019 (R million)	% change between Feb – Apr 2019 and May – Jul 2019	Contribution (% points) to the total % change
Food and beverages	139 230	140 402	0,8	0,2
Textiles, clothing, leather and footwear	15 166	15 451	1,9	0,0
Wood and wood products, paper, publishing and printing	41 308	41 665	0,9	0,1
Petroleum, chemical products, rubber and plastic products	123 520	120 931	-2,1	-0,4
Glass and non-metallic mineral products	16 717	16 887	1,0	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	136 163	137 503	1,0	0,2
Electrical machinery	14 400	13 814	-4,1	-0,1
Radio, television and communication apparatus and professional equipment	6 385	6 089	-4,6	0,0
Motor vehicles, parts and accessories and other transport equipment	84 280	84 195	-0,1	0,0
Furniture and other manufacturing	21 622	21 066	-2,6	-0,1
Total	598 790	598 003	-0,1	-0,1

Risenga Maluleke
Statistician-General

Note: Changes to the monthly current indicator survey and the impact on the statistical series

Business register and samples

Today Statistics South Africa (Stats SA) publishes results for the monthly survey of manufacturing production and sales from a new sample drawn in April 2019, which replaces the previous sample that was drawn in April 2018. The sample was drawn from a business register of enterprises with an annual turnover of at least R1 961 626 and that are required to register with the South African Revenue Service (SARS) for value added tax.

Owing to the evolving nature of business, the business register is maintained on a continuous basis. The maintenance process is aimed, amongst other things, at capturing changes related to new businesses, ceased businesses, merged businesses and classification changes. In addition, Stats SA undertakes quality improvement surveys related to the business register, the primary objective of which is to capture up-to-date information about the structures and activities of large and complex businesses. This process enables Stats SA to review classification codes for these businesses. These changes are an essential part of the statistical architecture.

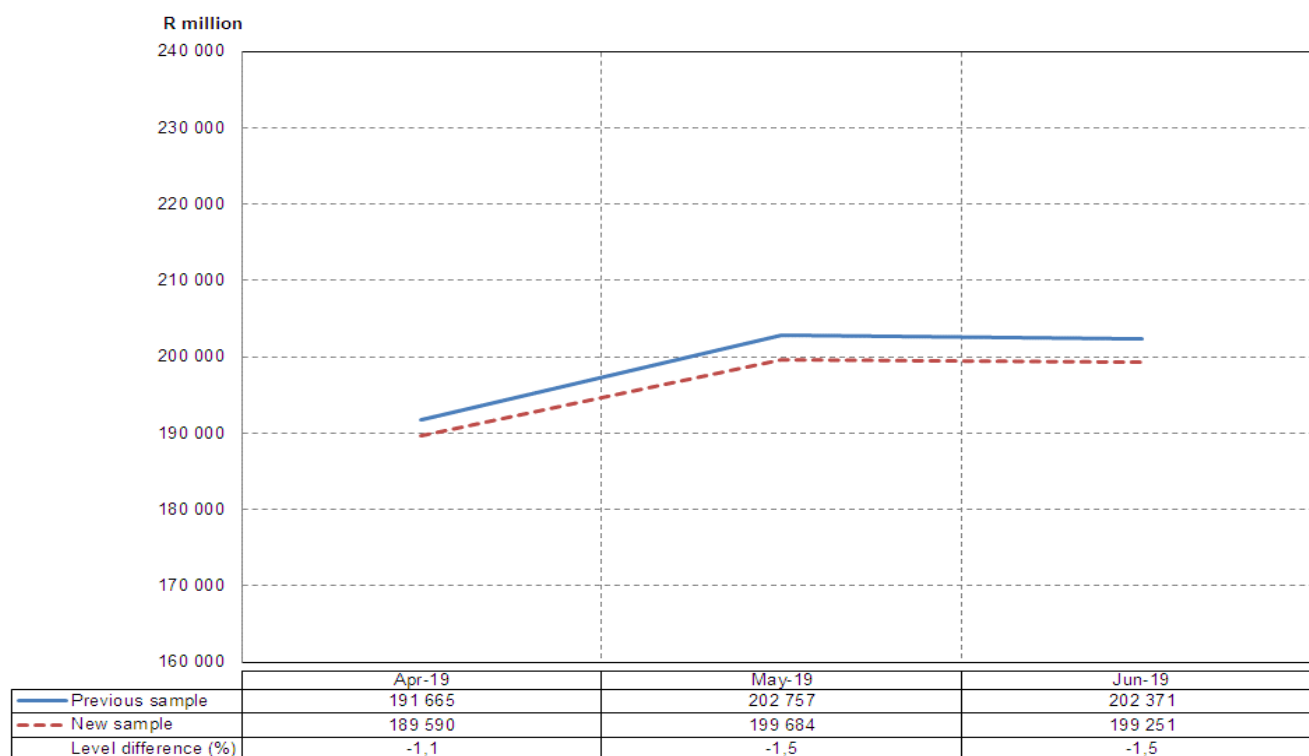
Comparison of total sales between the previous and new samples of the manufacturing industry

The reported level of total sales for the monthly survey of the manufacturing industry for the months April to June 2019 based on the new sample was 1,4% (R8 265 million) lower than the level of total sales recorded for the previous sample – see Table E and Figure A. The previous sample was drawn in April 2018 and was operational for the last half of 2018 and the first half of 2019.

Table E – Total sales for previous and new samples for the manufacturing industry – April to June 2019

Manufacturing industry	Previous sample (R million)	New sample (R million)	Difference	
			(R million)	(%)
	596 793	588 525	-8 268	-1,4

Figure A – Total value of sales of manufactured products: monthly levels of previous and new samples for April to June 2019



Comparison of sales between the previous and new samples by division

The differences in sales between the previous and new samples by manufacturing division are shown in Table F.

Table F – Manufacturing sales for previous and new samples by division: April to June 2019

Manufacturing division	Previous sample (R million)	New sample (R million)	Difference	
			(R million)	(%) ¹
Food and beverages	136 416	134 368	-2 048	-1,5
Textiles, clothing, leather and footwear	13 535	14 993	1 458	10,8
Wood and wood products, paper, publishing and printing	41 381	39 207	-2 174	-5,3
Petroleum, chemical products, rubber and plastic products	121 884	120 771	-1 113	-0,9
Glass and non-metallic mineral products	16 631	16 961	330	2,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	138 790	137 621	-1 169	-0,8
Electrical machinery	13 347	13 818	471	3,5
Radio, television and communication apparatus and professional equipment	5 674	5 792	118	2,1
Motor vehicles, parts and accessories and other transport equipment	86 473	83 842	-2 631	-3,0
Furniture and other manufacturing	22 662	21 153	-1 509	-6,7
Total manufacturing	596 793	588 525	-8 268	-1,4

¹ The percentage difference is the new sample minus the previous sample, divided by the previous sample, multiplied by 100.

The largest percentage differences were in the following manufacturing divisions:

- textiles, clothing, leather and footwear (10,8% or R1 458 million higher in the new sample);
- furniture and 'other' manufacturing (6,7% or R1 509 million lower in the new sample);
- wood and wood products, paper, publishing and printing (5,3% or R2 174 million lower in the new sample);
- electrical machinery (3,5% or R471 million higher in the new sample); and
- motor vehicles, parts and accessories and other transport equipment (3,0% or R2 631 million lower in the new sample).

Backcasting

To avoid breaks in time series and to minimise revisions to historical growth rates, historical sales levels were revised (i.e. they were linked to the estimates based on the new sample).

Tables

Table 1 – Index of the volume of manufacturing production (Base: 2015=100)

Month	2013	2014	2015	2016	2017	2018	2019 ¹
Jan	86,6	88,9	87,0	84,8	85,3	87,3	88,1
Feb	93,4	95,5	95,6	97,6	94,0	94,6	95,0
Mar	98,2	99,6	103,8	101,4	101,7	100,0	101,0
Apr	95,6	94,5	92,4	95,4	91,1	92,2	96,5
May	101,9	99,2	97,4	101,4	100,6	102,8	103,3
Jun	98,6	99,8	98,8	103,8	101,9	102,4	98,7
Jul	104,8	97,5	102,0	101,5	100,3	103,1	102,0
Aug	103,8	101,4	101,2	103,5	105,2	106,9	
Sep	99,1	105,5	107,0	107,3	105,3	105,2	
Oct	111,3	113,2	110,9	107,8	110,1	113,6	
Nov	113,1	111,1	109,7	112,1	114,1	115,4	
Dec	92,4	93,9	94,1	92,0	93,7	93,7	
Total	99,9	100,0	100,0	100,7	100,3	101,4	

¹ The latest three months are preliminary.

Table 2 – Year-on-year percentage change in the volume of manufacturing production

Month	2014	2015	2016	2017	2018	2019	2019 year-to-date
Jan	2,7	-2,1	-2,5	0,6	2,3	0,9	0,9
Feb	2,2	0,1	2,1	-3,7	0,6	0,4	0,7
Mar	1,4	4,2	-2,3	0,3	-1,7	1,0	0,7
Apr	-1,2	-2,2	3,2	-4,5	1,2	4,7	1,8
May	-2,6	-1,8	4,1	-0,8	2,2	0,5	1,5
Jun	1,2	-1,0	5,1	-1,8	0,5	-3,6	0,5
Jul	-7,0	4,6	-0,5	-1,2	2,8	-1,1	0,3
Aug	-2,3	-0,2	2,3	1,6	1,6		
Sep	6,5	1,4	0,3	-1,9	-0,1		
Oct	1,7	-2,0	-2,8	2,1	3,2		
Nov	-1,8	-1,3	2,2	1,8	1,1		
Dec	1,6	0,2	-2,2	1,8	0,0		
Total	0,1	0,0	0,7	-0,4	1,1		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2015=100)				Month-on-month % change			
	2016	2017	2018	2019	2016	2017	2018	2019
Jan	99,8	99,9	101,0	101,5	-1,7	-0,3	-2,1	-1,8
Feb	100,9	98,6	99,4	100,0	1,1	-1,3	-1,6	-1,5
Mar	100,2	98,8	100,3	100,8	-0,7	0,2	0,9	0,8
Apr	101,2	100,1	98,8	103,6	1,0	1,3	-1,5	2,8
May	101,5	99,4	100,9	101,2	0,3	-0,7	2,1	-2,3
Jun	102,4	100,0	101,4	99,3	0,9	0,6	0,5	-1,9
Jul	101,1	100,5	102,1	99,7	-1,3	0,5	0,7	0,4
Aug	99,7	101,0	102,4		-1,4	0,5	0,3	
Sep	101,1	100,1	101,6		1,4	-0,9	-0,8	
Oct	99,5	100,6	102,7		-1,6	0,5	1,1	
Nov	99,9	102,0	102,8		0,4	1,4	0,1	
Dec	100,2	103,2	103,4		0,3	1,2	0,6	

Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Feb-19	Mar-19	Apr-19	¹ May-19	¹ Jun-19	¹ Jul-19
Food and beverages	26,64	95,9	102,3	101,3	112,2	109,3	111,7
Meat, fish, fruit, etc.	6,69	97,1	103,2	102,2	106,9	101,4	104,8
Dairy products	2,15	99,9	114,4	113,8	117,9	102,9	109,6
Grain mill products	3,37	89,4	96,8	93,9	97,1	96,7	104,3
Other food products	8,14	90,1	93,1	101,2	128,8	137,0	132,9
Beverages	6,29	104,4	112,0	100,2	102,4	90,7	96,5
Textiles, clothing, leather and footwear	3,12	84,6	86,3	86,2	90,9	82,7	94,5
Textiles	0,78	101,1	93,8	93,0	104,4	94,3	108,5
Other textile products	0,40	92,8	89,3	95,6	109,6	88,4	89,7
Knitted, crocheted articles	0,09	97,0	91,0	86,0	91,2	90,4	87,7
Wearing apparel	1,04	73,1	82,0	76,4	80,9	69,3	96,6
Leather and leather products	0,46	75,4	75,0	81,8	77,8	72,3	64,1
Footwear	0,35	82,2	93,2	95,8	86,9	102,2	104,7
Wood and wood products, paper, publishing and printing	11,45	91,4	94,1	84,8	92,8	95,5	96,4
Sawmilling and planing of wood	1,73	93,0	104,8	99,4	105,3	97,9	109,1
Products of wood	2,57	97,1	96,7	92,2	104,2	101,7	102,0
Paper and paper products	4,14	94,6	98,8	84,8	93,4	100,5	95,7
Publishing	1,43	76,1	71,9	63,5	66,0	77,3	78,4
Printing, recorded media	1,58	85,7	85,9	75,8	83,2	85,9	91,6
Petroleum, chemical products, rubber and plastic products	23,07	90,5	98,8	95,4	100,4	89,8	92,6
Coke, petroleum products and nuclear fuel	8,67	88,0	108,9	108,5	104,8	83,9	81,5
Basic chemicals	4,29	88,0	80,0	79,2	94,3	87,9	94,6
Other chemical products	6,19	90,3	94,0	87,0	94,5	91,7	94,2
Rubber products	1,24	102,6	104,4	85,9	114,6	99,2	116,2
Plastic products	2,68	97,9	105,0	103,1	103,4	103,1	111,1
Glass and non-metallic mineral products	3,18	89,7	90,9	89,3	103,2	92,4	96,7
Glass and glass products	0,66	105,3	113,8	102,8	111,0	102,5	110,3
Non-metallic mineral products	2,52	85,6	84,9	85,8	101,1	89,7	93,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	100,8	111,2	103,9	104,8	100,1	100,6
Basic iron and steel products	3,57	117,9	122,4	124,5	118,1	103,9	91,6
Non-ferrous metal products	2,58	99,5	108,6	107,8	111,0	103,2	103,1
Structural metal products	1,99	84,9	86,1	86,0	89,7	90,3	95,1
Other fabricated metal products	3,79	103,9	112,2	109,3	107,7	99,7	107,8
General purpose machinery	2,58	91,2	100,5	99,3	101,2	102,0	100,1
Special purpose machinery	3,41	95,9	128,1	90,5	95,2	100,6	104,8
Household appliances	0,77	104,9	88,6	88,6	100,7	91,8	96,6
Electrical machinery	1,64	82,1	96,3	77,2	85,5	84,1	84,3
Radio, television and communication apparatus and professional equipment	1,54	88,5	98,4	81,8	85,5	83,4	89,5
Radio, television and communication apparatus	0,90	97,6	99,7	86,6	94,3	82,1	92,9
Professional equipment	0,64	75,7	96,7	75,1	73,2	85,1	84,7
Motor vehicles, parts and accessories and other transport equipment	7,56	105,6	106,6	101,8	110,2	108,0	120,4
Motor vehicles	2,82	111,7	109,3	103,6	107,7	110,9	126,0
Bodies for motor vehicles, trailers and semi-trailers	0,47	106,5	111,6	118,7	123,9	116,9	123,0
Parts and accessories	3,04	112,5	110,9	111,5	126,8	113,3	133,9
Other transport equipment	1,23	74,4	88,1	67,3	69,5	84,7	73,4
Furniture and other manufacturing	3,11	99,7	86,1	83,6	92,9	92,8	101,3
Furniture	1,07	85,4	78,4	79,9	95,1	82,8	84,8
Other manufacturing groups	2,04	107,2	90,1	85,5	91,7	98,1	109,9
Total	100	95,0	101,0	96,5	103,3	98,7	102,0

¹ The latest three months are preliminary.

Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19
Food and beverages	3,6	0,7	3,9	6,4	2,9	7,0
Meat, fish, fruit, etc.	3,6	2,2	9,4	2,3	-2,7	2,7
Dairy products	2,8	5,9	16,7	23,1	9,4	13,0
Grain mill products	-1,1	-5,0	-0,7	-2,5	-3,8	4,4
Other food products	-0,7	-3,7	-7,1	7,5	10,0	8,2
Beverages	11,9	5,4	12,8	8,1	-1,3	9,7
Textiles, clothing, leather and footwear	-6,9	-6,1	-3,7	-1,2	-9,8	0,0
Textiles	-4,0	-10,8	-9,3	-4,8	-13,6	-1,8
Other textile products	-8,2	-13,8	-2,7	0,6	-14,4	-12,5
Knitted, crocheted articles	0,0	-11,4	-15,0	-10,9	-7,7	-12,6
Wearing apparel	-10,4	-2,0	-5,3	2,4	-11,6	1,2
Leather and leather products	-9,0	-3,5	-3,8	-6,9	-13,7	-6,7
Footwear	-2,1	4,6	20,5	8,1	15,9	32,2
Wood and wood products, paper, publishing and printing	-2,8	-2,5	-0,2	-3,6	-4,7	-5,1
Sawmilling and planing of wood	-8,4	-9,2	6,0	-9,2	-6,0	-2,4
Products of wood	-1,5	-11,3	-4,6	1,9	-8,6	-4,7
Paper and paper products	-1,4	9,5	1,8	-1,2	-0,5	-2,5
Publishing	-2,4	-4,3	-9,7	-12,9	-7,1	-14,6
Printing, recorded media	-2,4	-5,6	1,7	-5,7	-5,4	-8,0
Petroleum, chemical products, rubber and plastic products	1,7	6,4	1,4	0,9	-8,0	-8,0
Coke, petroleum products and nuclear fuel	6,8	33,0	2,3	16,8	-12,4	-20,2
Basic chemicals	-2,7	-20,6	-9,5	-17,1	-11,5	-3,3
Other chemical products	-0,2	-4,5	2,4	-5,7	-4,9	-2,4
Rubber products	2,2	0,2	-4,4	2,8	1,2	7,6
Plastic products	-1,9	6,9	15,6	2,1	0,2	3,3
Glass and non-metallic mineral products	-2,1	-5,4	-3,6	0,8	-12,3	-7,0
Glass and glass products	11,9	20,2	6,1	4,7	-4,7	4,0
Non-metallic mineral products	-5,9	-12,0	-6,2	-0,4	-14,5	-10,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	0,7	3,0	9,9	-2,4	-5,4	-4,4
Basic iron and steel products	8,1	1,6	8,4	-6,3	-10,7	-15,2
Non-ferrous metal products	-4,4	-1,2	10,8	-0,2	-1,9	0,4
Structural metal products	-4,0	-2,4	17,6	-5,6	-7,1	-5,6
Other fabricated metal products	3,2	4,5	13,1	-4,8	-6,5	-3,8
General purpose machinery	-4,9	0,5	13,9	0,6	-3,8	-0,7
Special purpose machinery	-3,0	12,6	2,5	1,8	-1,9	-2,4
Household appliances	15,8	-11,1	1,3	3,9	2,1	14,2
Electrical machinery	-3,4	-4,4	7,1	-1,8	-6,5	-0,7
Radio, television and communication apparatus and professional equipment	-7,2	1,0	-3,9	-7,3	-5,2	-6,2
Radio, television and communication apparatus	1,8	0,5	0,3	-0,6	-6,7	-6,0
Professional equipment	-20,1	1,9	-10,1	-17,3	-3,3	-6,6
Motor vehicles, parts and accessories and other transport equipment	0,3	-6,8	18,8	-4,2	-0,6	7,6
Motor vehicles	11,3	8,3	34,2	-5,0	8,5	9,9
Bodies for motor vehicles, trailers and semi-trailers	-4,7	-6,5	16,4	1,1	4,3	3,0
Parts and accessories	-2,3	-8,9	11,3	0,9	-1,5	13,1
Other transport equipment	-17,0	-29,6	6,7	-22,3	-20,8	-14,9
Furniture and other manufacturing	-7,6	3,4	6,9	-3,0	-5,7	-2,5
Furniture	-9,7	-9,8	-5,0	-4,8	-12,1	-8,9
Other manufacturing groups	-6,8	10,7	13,8	-2,1	-2,6	0,3
Total	0,4	1,0	4,7	0,5	-3,6	-1,1

Table 6 – Contribution of each division and major group to the year-on-year percentage change in the volume of manufacturing production (percentage points)

Manufacturing division and major group	Weights	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19
Food and beverages	26,64	0,9	0,2	1,1	1,7	0,8	1,9
Meat, fish, fruit, etc.	6,69	0,2	0,1	0,6	0,2	-0,2	0,2
Dairy products	2,15	0,1	0,1	0,4	0,5	0,2	0,3
Grain mill products	3,37	0,0	-0,2	0,0	-0,1	-0,1	0,1
Other food products	8,14	-0,1	-0,3	-0,7	0,7	1,0	0,8
Beverages	6,29	0,7	0,4	0,8	0,5	-0,1	0,5
Textiles, clothing, leather and footwear	3,12	-0,2	-0,2	-0,1	0,0	-0,3	0,0
Textiles	0,78	0,0	-0,1	-0,1	0,0	-0,1	0,0
Other textile products	0,40	0,0	-0,1	0,0	0,0	-0,1	0,0
Knitted, crocheted articles	0,09	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	1,04	-0,1	0,0	0,0	0,0	-0,1	0,0
Leather and leather products	0,46	0,0	0,0	0,0	0,0	-0,1	0,0
Footwear	0,35	0,0	0,0	0,1	0,0	0,0	0,1
Wood and wood products, paper, publishing and printing	11,45	-0,3	-0,3	0,0	-0,4	-0,5	-0,6
Sawmilling and planing of wood	1,73	-0,2	-0,2	0,1	-0,2	-0,1	0,0
Products of wood	2,57	0,0	-0,3	-0,1	0,0	-0,2	-0,1
Paper and paper products	4,14	-0,1	0,4	0,1	0,0	0,0	-0,1
Publishing	1,43	0,0	0,0	-0,1	-0,1	-0,1	-0,2
Printing, recorded media	1,58	0,0	-0,1	0,0	-0,1	-0,1	-0,1
Petroleum, chemical products, rubber and plastic products	23,07	0,4	1,4	0,3	0,2	-1,8	-1,8
Coke, petroleum products and nuclear fuel	8,67	0,5	2,3	0,2	1,3	-1,0	-1,7
Basic chemicals	4,29	-0,1	-0,9	-0,4	-0,8	-0,5	-0,1
Other chemical products	6,19	0,0	-0,3	0,1	-0,3	-0,3	-0,1
Rubber products	1,24	0,0	0,0	-0,1	0,0	0,0	0,1
Plastic products	2,68	-0,1	0,2	0,4	0,1	0,0	0,1
Glass and non-metallic mineral products	3,18	-0,1	-0,2	-0,1	0,0	-0,4	-0,2
Glass and glass products	0,66	0,1	0,1	0,0	0,0	0,0	0,0
Non-metallic mineral products	2,52	-0,1	-0,3	-0,2	0,0	-0,4	-0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	0,1	0,6	1,9	-0,5	-1,0	-0,8
Basic iron and steel products	3,57	0,3	0,1	0,4	-0,3	-0,4	-0,6
Non-ferrous metal products	2,58	-0,1	0,0	0,3	0,0	-0,1	0,0
Structural metal products	1,99	-0,1	0,0	0,3	-0,1	-0,1	-0,1
Other fabricated metal products	3,79	0,1	0,2	0,5	-0,2	-0,3	-0,2
General purpose machinery	2,58	-0,1	0,0	0,3	0,0	-0,1	0,0
Special purpose machinery	3,41	-0,1	0,5	0,1	0,1	-0,1	-0,1
Household appliances	0,77	0,1	-0,1	0,0	0,0	0,0	0,1
Electrical machinery	1,64	-0,1	-0,1	0,1	0,0	-0,1	0,0
Radio, television and communication apparatus and professional equipment	1,54	-0,1	0,0	-0,1	-0,1	-0,1	-0,1
Radio, television and communication apparatus	0,90	0,0	0,0	0,0	0,0	-0,1	-0,1
Professional equipment	0,64	-0,1	0,0	-0,1	-0,1	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	7,56	0,0	-0,6	1,3	-0,4	-0,1	0,6
Motor vehicles	2,82	0,3	0,2	0,8	-0,2	0,2	0,3
Bodies for motor vehicles, trailers and semi-trailers	0,47	0,0	0,0	0,1	0,0	0,0	0,0
Parts and accessories	3,04	-0,1	-0,3	0,4	0,0	-0,1	0,5
Other transport equipment	1,23	-0,2	-0,5	0,1	-0,2	-0,3	-0,2
Furniture and other manufacturing	3,11	-0,3	0,1	0,2	-0,1	-0,2	-0,1
Furniture	1,07	-0,1	-0,1	0,0	0,0	-0,1	-0,1
Other manufacturing groups	2,04	-0,2	0,2	0,2	0,0	-0,1	0,0
Total	100	0,4	1,0	4,7	0,5	-3,6	-1,1

Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Month-on-month % change
Food and beverages	26,64	108,1	107,3	110,6	111,1	110,9	-0,2
Meat, fish, fruit, etc.	6,69	104,0	104,9	104,7	103,6	104,5	0,9
Dairy products	2,15	111,3	118,2	124,8	115,9	116,9	0,9
Grain mill products	3,37	95,6	99,0	96,3	97,0	99,7	2,8
Other food products	8,14	111,8	106,2	118,7	125,9	119,2	-5,3
Beverages	6,29	113,4	112,0	109,1	105,8	110,9	4,8
Textiles, clothing, leather and footwear	3,12	84,3	90,1	88,8	87,2	90,7	4,0
Textiles	0,78	87,9	95,5	95,2	96,8	104,8	8,3
Other textile products	0,40	85,9	101,0	99,3	92,0	89,6	-2,6
Knitted, crocheted articles	0,09	85,1	84,1	84,4	88,1	83,2	-5,6
Wearing apparel	1,04	80,8	84,4	83,6	76,5	84,6	10,6
Leather and leather products	0,46	78,6	77,0	76,6	73,1	75,8	3,7
Footwear	0,35	92,3	102,0	95,5	111,3	100,2	-10,0
Wood and wood products, paper, publishing and printing	11,45	93,5	96,0	94,9	95,2	95,1	-0,1
Sawmilling and planing of wood	1,73	98,1	101,6	98,9	100,2	101,1	0,9
Products of wood	2,57	97,1	98,4	104,7	99,3	99,7	0,4
Paper and paper products	4,14	96,2	99,3	97,1	98,3	98,7	0,4
Publishing	1,43	78,3	76,6	73,0	77,4	76,4	-1,3
Printing, recorded media	1,58	89,6	94,5	88,5	90,7	88,8	-2,1
Petroleum, chemical products, rubber and plastic products	23,07	99,9	101,7	99,4	91,5	91,6	0,1
Coke, petroleum products and nuclear fuel	8,67	108,9	108,5	104,8	83,9	81,5	-2,9
Basic chemicals	4,29	87,9	89,1	91,4	90,9	93,4	2,8
Other chemical products	6,19	94,2	96,7	93,3	93,9	94,7	0,9
Rubber products	1,24	89,6	99,9	103,0	99,6	105,8	6,2
Plastic products	2,68	108,1	112,5	107,3	107,8	107,9	0,1
Glass and non-metallic mineral products	3,18	91,9	96,0	96,1	88,5	89,1	0,7
Glass and glass products	0,66	123,0	113,8	113,8	103,6	109,8	6,0
Non-metallic mineral products	2,52	83,7	91,3	91,5	84,6	83,7	-1,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	103,1	108,9	100,7	99,0	98,7	-0,3
Basic iron and steel products	3,57	114,1	119,7	107,0	103,9	99,8	-3,9
Non-ferrous metal products	2,58	105,6	108,2	105,8	104,5	103,7	-0,8
Structural metal products	1,99	85,2	97,5	85,1	85,6	87,6	2,3
Other fabricated metal products	3,79	107,8	114,6	102,0	100,8	100,4	-0,4
General purpose machinery	2,58	97,1	106,7	98,1	96,9	96,7	-0,2
Special purpose machinery	3,41	104,4	103,1	100,6	98,4	99,8	1,4
Household appliances	0,77	80,7	95,0	97,9	92,6	99,2	7,1
Electrical machinery	1,64	82,5	86,5	80,8	81,1	81,3	0,2
Radio, television and communication apparatus and professional equipment	1,54	94,8	92,6	89,8	87,9	89,0	1,3
Radio, television and communication apparatus	0,90	101,2	100,6	99,9	90,4	92,9	2,8
Professional equipment	0,64	85,8	81,4	75,6	84,4	83,5	-1,1
Motor vehicles, parts and accessories and other transport equipment	7,56	101,3	109,1	101,4	107,6	111,4	3,5
Motor vehicles	2,82	105,1	114,3	95,4	108,7	111,2	2,3
Bodies for motor vehicles, trailers and semi-trailers	0,47	111,6	121,7	112,0	119,2	114,2	-4,2
Parts and accessories	3,04	107,9	112,7	115,2	118,3	124,2	5,0
Other transport equipment	1,23	72,3	83,6	76,7	74,0	79,3	7,2
Furniture and other manufacturing	3,11	95,7	103,6	95,2	92,4	94,3	2,1
Furniture	1,07	86,0	89,7	93,3	84,4	83,7	-0,8
Other manufacturing groups	2,04	100,8	110,9	96,3	96,6	99,9	3,4
Total	100	100,8	103,6	101,2	99,3	99,7	0,4

Table 8 – Manufacturing sales at current prices (R million)

Month	2013 *	2014 *	2015 *	2016 *	2017 *	2018 *	2019 **
Jan	119 905	134 022	133 473	137 588	147 728	154 687	169 331
Feb	136 157	151 015	148 453	160 923	163 040	173 909	184 231
Mar	142 449	156 523	167 441	169 906	182 917	185 238	201 129
Apr	137 911	148 251	147 271	160 631	158 360	165 218	189 590
May	146 004	153 108	158 343	173 256	179 649	191 930	199 684
Jun	143 954	161 108	163 277	177 291	183 043	191 836	199 251
Jul	151 230	150 687	163 881	170 938	174 766	193 760	202 464
Aug	148 680	161 424	161 763	177 283	186 082	201 305	
Sep	145 062	168 001	172 491	184 513	188 393	204 075	
Oct	161 716	181 283	178 929	183 891	197 103	220 644	
Nov	167 607	176 286	179 830	195 991	213 656	225 502	
Dec	144 491	152 737	155 988	163 327	173 384	182 375	
Total	1 745 166	1 894 445	1 931 140	2 055 538	2 148 121	2 290 479	

¹ The latest three months are preliminary.

* Revised, see note on page 6.

Table 9 – Year-on-year percentage change in manufacturing sales at current prices

Month	2014	2015	2016	2017	2018	2019	2019 year-to-date
Jan	11,8	-0,4	3,1	7,4	4,7	9,5	9,5
Feb	10,9	-1,7	8,4	1,3	6,7	5,9	7,6
Mar	9,9	7,0	1,5	7,7	1,3	8,6	8,0
Apr	7,5	-0,7	9,1	-1,4	4,3	14,8	9,6
May	4,9	3,4	9,4	3,7	6,8	4,0	8,4
Jun	11,9	1,3	8,6	3,2	4,8	3,9	7,6
Jul	-0,4	8,8	4,3	2,2	10,9	4,5	7,1
Aug	8,6	0,2	9,6	5,0	8,2		
Sep	15,8	2,7	7,0	2,1	8,3		
Oct	12,1	-1,3	2,8	7,2	11,9		
Nov	5,2	2,0	9,0	9,0	5,5		
Dec	5,7	2,1	4,7	6,2	5,2		
Total	8,6	1,9	6,4	4,5	6,6		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2016	2017	2018	2019	2016	2017	2018	2019
Jan	165 139	175 123	181 907	198 314	1,7	1,9	-1,7	1,8
Feb	168 802	173 267	185 049	195 891	2,2	-1,1	1,7	-1,2
Mar	167 834	175 659	184 945	198 510	-0,6	1,4	-0,1	1,3
Apr	170 262	176 138	176 848	204 389	1,4	0,3	-4,4	3,0
May	173 691	177 898	189 992	197 191	2,0	1,0	7,4	-3,5
Jun	174 004	178 139	189 018	200 244	0,2	0,1	-0,5	1,5
Jul	172 805	177 891	194 199	200 568	-0,7	-0,1	2,7	0,2
Aug	171 594	180 071	193 826		-0,7	1,2	-0,2	
Sep	173 463	179 459	198 667		1,1	-0,3	2,5	
Oct	169 886	179 687	199 824		-2,1	0,1	0,6	
Nov	172 762	189 140	198 175		1,7	5,3	-0,8	
Dec	171 919	185 028	194 811		-0,5	-2,2	-1,7	

Table 11 – Manufacturing sales at current prices by division and major group (R million)

Manufacturing division and major group	* Feb-19	* Mar-19	* Apr-19	¹ May-19	¹ Jun-19	¹ Jul-19
Food and beverages	41 169	45 616	44 989	45 518	43 862	45 358
Meat, fish, fruit, etc.	11 557	12 797	12 469	12 819	12 638	12 976
Dairy products	3 745	4 353	4 192	4 196	3 941	4 144
Grain mill products	5 711	6 592	6 352	6 689	6 483	7 036
Other food products	7 999	8 449	9 811	9 489	9 445	9 835
Beverages	12 158	13 425	12 165	12 324	11 355	11 367
Textiles, clothing, leather and footwear	4 696	5 140	4 893	5 209	4 891	5 325
Textiles	682	685	634	735	664	738
Other textile products	1 505	1 558	1 519	1 653	1 529	1 613
Knitted, crocheted articles	236	247	243	244	233	235
Wearing apparel	1 340	1 573	1 503	1 523	1 388	1 736
Leather and leather products	492	567	520	572	537	472
Footwear	442	511	474	481	539	531
Wood and wood products, paper, publishing and printing	12 961	13 744	11 877	13 310	14 021	13 783
Sawmilling and planing of wood	802	933	986	953	888	943
Products of wood	1 837	1 908	1 800	1 957	2 077	1 857
Paper and paper products	6 426	7 042	5 728	6 735	7 187	6 712
Publishing	1 363	1 275	1 166	1 152	1 352	1 499
Printing, recorded media	2 532	2 587	2 197	2 513	2 517	2 772
Petroleum, chemical products, rubber and plastic products	35 886	39 372	39 175	40 890	40 706	40 710
Coke, petroleum products and nuclear fuel	10 222	12 423	13 662	12 983	13 791	13 641
Basic chemicals	7 861	8 119	7 822	9 139	8 566	8 130
Other chemical products	10 783	11 567	10 574	11 500	11 265	11 283
Rubber products	1 448	1 535	1 355	1 651	1 475	1 588
Plastic products	5 572	5 728	5 761	5 619	5 609	6 067
Glass and non-metallic mineral products	5 100	5 389	5 227	6 111	5 623	5 934
Glass and glass products	945	1 001	958	1 035	942	1 064
Non-metallic mineral products	4 155	4 389	4 269	5 077	4 681	4 870
Basic iron and steel, non-ferrous metal products, metal products and machinery	42 162	49 121	43 807	46 279	47 535	47 069
Basic iron and steel products	10 432	12 561	10 571	11 742	12 376	10 015
Non-ferrous metal products	12 496	15 066	14 010	14 374	14 997	16 154
Structural metal products	2 995	3 197	3 096	3 241	3 310	3 386
Other fabricated metal products	6 296	6 735	6 626	6 589	6 224	6 897
General purpose machinery	3 537	4 065	3 791	4 025	4 204	3 949
Special purpose machinery	5 285	6 235	4 614	5 126	5 232	5 500
Household appliances	1 120	1 263	1 100	1 181	1 191	1 169
Electrical machinery	4 794	5 464	4 390	4 737	4 691	4 732
Radio, television and communication apparatus and professional equipment	2 116	2 202	1 854	2 022	1 916	2 011
Radio, television and communication apparatus	1 208	1 130	899	1 105	897	1 005
Professional equipment	909	1 072	955	917	1 019	1 006
Motor vehicles, parts and accessories and other transport equipment	28 349	28 297	26 504	28 390	28 948	30 207
Motor vehicles	16 523	15 348	15 884	17 032	17 253	17 740
Bodies for motor vehicles, trailers and semi-trailers	1 156	1 287	1 316	1 316	1 292	1 333
Parts and accessories	8 309	8 832	7 113	7 767	7 617	8 726
Other transport equipment	2 361	2 830	2 191	2 275	2 785	2 407
Furniture and other manufacturing	6 996	6 784	6 875	7 219	7 059	7 335
Furniture	1 329	1 271	1 277	1 439	1 356	1 398
Other manufacturing groups	5 668	5 513	5 598	5 779	5 704	5 937
Total	184 231	201 129	189 590	199 684	199 251	202 464

¹ The latest three months are preliminary.

* Revised, see note on page 6.

Table 12 – Year-on-year percentage change in manufacturing sales at current prices by division and major group

Manufacturing division and major group	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19
Food and beverages	7,3	6,9	10,7	8,7	4,6	9,7
Meat, fish, fruit, etc.	4,9	6,4	14,8	4,4	2,7	6,9
Dairy products	5,5	10,2	17,5	11,3	6,5	13,4
Grain mill products	10,2	9,3	16,3	11,9	9,0	15,0
Other food products	3,6	4,6	-4,8	10,0	5,0	8,9
Beverages	11,5	6,6	16,5	10,0	3,4	9,0
Textiles, clothing, leather and footwear	-3,8	-0,6	-3,2	-1,6	-4,2	1,2
Textiles	-3,4	-3,7	-9,8	-1,3	-10,6	1,2
Other textile products	-3,9	-3,8	-2,9	-5,8	-7,8	-3,8
Knitted, crocheted articles	0,0	-5,7	-6,9	-6,9	-6,0	-6,7
Wearing apparel	-5,7	-0,8	-0,3	0,6	-2,5	5,5
Leather and leather products	-10,5	-1,2	-14,2	-7,4	-11,7	-9,2
Footwear	10,0	21,4	15,3	20,0	26,8	21,0
Wood and wood products, paper, publishing and printing	3,1	9,5	5,1	3,0	2,7	2,1
Sawmilling and planing of wood	-9,1	-0,2	23,1	-7,1	-3,1	-1,4
Products of wood	4,3	-6,0	5,3	3,2	-3,7	-0,1
Paper and paper products	2,3	21,5	2,7	6,7	6,9	5,9
Publishing	4,9	4,0	0,1	-7,5	-1,6	-4,3
Printing, recorded media	7,7	1,0	7,1	2,8	1,5	-0,1
Petroleum, chemical products, rubber and plastic products	3,4	5,3	14,6	-0,6	2,4	-2,8
Coke, petroleum products and nuclear fuel	-0,8	11,9	18,3	-4,7	7,5	-8,2
Basic chemicals	5,1	-3,8	17,4	-0,5	-2,5	-7,0
Other chemical products	5,3	4,3	6,5	0,8	0,9	1,4
Rubber products	5,9	2,1	8,1	10,0	5,1	9,1
Plastic products	4,7	8,8	20,1	3,5	0,7	6,2
Glass and non-metallic mineral products	-4,2	-4,3	1,3	0,2	-3,3	0,4
Glass and glass products	13,6	18,2	13,1	3,6	0,3	15,2
Non-metallic mineral products	-7,5	-8,2	-1,0	-0,4	-4,0	-2,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	4,2	17,2	18,6	6,8	8,2	5,1
Basic iron and steel products	-8,9	9,0	6,1	-3,3	1,3	-16,4
Non-ferrous metal products	15,4	42,2	37,6	22,7	23,6	29,9
Structural metal products	-1,2	7,4	25,6	-1,2	3,1	-0,9
Other fabricated metal products	6,8	8,7	15,5	-0,2	0,2	3,5
General purpose machinery	-0,8	5,6	17,5	6,2	4,9	4,9
Special purpose machinery	13,8	10,9	5,7	9,3	3,3	0,5
Household appliances	6,7	10,0	11,1	5,4	8,7	12,6
Electrical machinery	1,4	4,3	7,1	-2,2	-4,7	0,9
Radio, television and communication apparatus and professional equipment	1,2	1,9	-2,5	-5,1	-3,9	-5,0
Radio, television and communication apparatus	20,0	6,1	0,0	4,7	-8,9	-4,6
Professional equipment	-16,1	-2,1	-4,7	-14,8	1,1	-5,3
Motor vehicles, parts and accessories and other transport equipment	18,4	8,4	33,6	4,4	6,2	12,7
Motor vehicles	31,5	15,0	49,5	13,6	11,0	18,5
Bodies for motor vehicles, trailers and semi-trailers	10,0	9,0	32,9	7,1	11,2	7,2
Parts and accessories	9,3	13,4	13,1	-5,4	4,0	10,6
Other transport equipment	-13,1	-25,3	13,5	-17,4	-13,9	-10,8
Furniture and other manufacturing	2,7	6,2	12,6	1,5	-5,3	-1,5
Furniture	-8,3	-5,8	-2,4	-3,9	-7,1	-3,3
Other manufacturing groups	5,7	9,5	16,8	2,9	-4,9	-1,0
Total	5,9	8,6	14,8	4,0	3,9	4,5

Table 13 – Contribution of each division and major group to the year-on-year percentage change in manufacturing sales at current prices (percentage points)

Manufacturing division and major group	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19
Food and beverages	1,6	1,6	2,6	1,9	1,0	2,1
Meat, fish, fruit, etc.	0,3	0,4	1,0	0,3	0,2	0,4
Dairy products	0,1	0,2	0,4	0,2	0,1	0,3
Grain mill products	0,3	0,3	0,5	0,4	0,3	0,5
Other food products	0,2	0,2	-0,3	0,4	0,2	0,4
Beverages	0,7	0,4	1,0	0,6	0,2	0,5
Textiles, clothing, leather and footwear	-0,1	0,0	-0,1	0,0	-0,1	0,0
Textiles	0,0	0,0	0,0	0,0	0,0	0,0
Other textile products	0,0	0,0	0,0	-0,1	-0,1	0,0
Knitted, crocheted articles	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	0,0	0,0	0,0	0,0	0,0	0,0
Leather and leather products	0,0	0,0	-0,1	0,0	0,0	0,0
Footwear	0,0	0,0	0,0	0,0	0,1	0,0
Wood and wood products, paper, publishing and printing	0,2	0,6	0,3	0,2	0,2	0,1
Sawmilling and planing of wood	0,0	0,0	0,1	0,0	0,0	0,0
Products of wood	0,0	-0,1	0,1	0,0	0,0	0,0
Paper and paper products	0,1	0,7	0,1	0,2	0,2	0,2
Publishing	0,0	0,0	0,0	0,0	0,0	0,0
Printing, recorded media	0,1	0,0	0,1	0,0	0,0	0,0
Petroleum, chemical products, rubber and plastic products	0,7	1,1	3,0	-0,1	0,5	-0,6
Coke, petroleum products and nuclear fuel	0,0	0,7	1,3	-0,3	0,5	-0,6
Basic chemicals	0,2	-0,2	0,7	0,0	-0,1	-0,3
Other chemical products	0,3	0,3	0,4	0,0	0,1	0,1
Rubber products	0,0	0,0	0,1	0,1	0,0	0,1
Plastic products	0,1	0,3	0,6	0,1	0,0	0,2
Glass and non-metallic mineral products	-0,1	-0,1	0,0	0,0	-0,1	0,0
Glass and glass products	0,1	0,1	0,1	0,0	0,0	0,1
Non-metallic mineral products	-0,2	-0,2	0,0	0,0	-0,1	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	1,0	3,9	4,2	1,5	1,9	1,2
Basic iron and steel products	-0,6	0,6	0,4	-0,2	0,1	-1,0
Non-ferrous metal products	1,0	2,4	2,3	1,4	1,5	1,9
Structural metal products	0,0	0,1	0,4	0,0	0,1	0,0
Other fabricated metal products	0,2	0,3	0,5	0,0	0,0	0,1
General purpose machinery	0,0	0,1	0,3	0,1	0,1	0,1
Special purpose machinery	0,4	0,3	0,2	0,2	0,1	0,0
Household appliances	0,0	0,1	0,1	0,0	0,0	0,1
Electrical machinery	0,0	0,1	0,2	-0,1	-0,1	0,0
Radio, television and communication apparatus and professional equipment	0,0	0,0	0,0	-0,1	0,0	-0,1
Radio, television and communication apparatus	0,1	0,0	0,0	0,0	0,0	0,0
Professional equipment	-0,1	0,0	0,0	-0,1	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	2,5	1,2	4,0	0,6	0,9	1,8
Motor vehicles	2,3	1,1	3,2	1,1	0,9	1,4
Bodies for motor vehicles, trailers and semi-trailers	0,1	0,1	0,2	0,0	0,1	0,0
Parts and accessories	0,4	0,6	0,5	-0,2	0,2	0,4
Other transport equipment	-0,2	-0,5	0,2	-0,2	-0,2	-0,2
Furniture and other manufacturing	0,1	0,2	0,5	0,1	-0,2	-0,1
Furniture	-0,1	0,0	0,0	0,0	-0,1	0,0
Other manufacturing groups	0,2	0,3	0,5	0,1	-0,2	0,0
Total	5,9	8,6	14,8	4,0	3,9	4,5

Table 14 – Seasonally adjusted manufacturing sales at current prices by division and major group (R million)

Manufacturing division and major group	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Month-on-month % change
Food and beverages	46 461	47 088	46 883	46 451	47 068	1,3
Meat, fish, fruit, etc.	12 866	12 949	12 857	12 974	12 953	-0,2
Dairy products	4 174	4 365	4 297	4 211	4 353	3,4
Grain mill products	6 459	6 689	6 577	6 593	6 736	2,2
Other food products	9 287	9 674	9 586	9 511	9 701	2,0
Beverages	13 675	13 412	13 566	13 162	13 326	1,2
Textiles, clothing, leather and footwear	5 038	5 110	5 080	5 157	5 214	1,1
Textiles	651	674	676	695	720	3,6
Other textile products	1 543	1 551	1 536	1 583	1 564	-1,2
Knitted, crocheted articles	223	232	214	235	228	-3,0
Wearing apparel	1 541	1 590	1 562	1 532	1 615	5,4
Leather and leather products	561	539	553	540	535	-0,9
Footwear	518	524	539	572	551	-3,7
Wood and wood products, paper, publishing and printing	13 615	14 031	13 706	13 974	13 985	0,1
Sawmilling and planing of wood	864	1 120	897	890	920	3,4
Products of wood	1 887	1 957	1 947	1 944	1 916	-1,4
Paper and paper products	6 726	6 840	6 917	6 972	7 058	1,2
Publishing	1 410	1 392	1 296	1 405	1 423	1,3
Printing, recorded media	2 728	2 722	2 649	2 765	2 668	-3,5
Petroleum, chemical products, rubber and plastic products	40 849	42 660	39 799	41 312	39 820	-3,6
Coke, petroleum products and nuclear fuel	13 592	14 427	12 454	13 613	12 975	-4,7
Basic chemicals	8 387	8 656	8 724	8 770	8 027	-8,5
Other chemical products	11 487	11 783	11 327	11 544	11 414	-1,1
Rubber products	1 408	1 491	1 539	1 478	1 512	2,3
Plastic products	5 975	6 304	5 754	5 907	5 892	-0,3
Glass and non-metallic mineral products	5 400	5 704	5 703	5 591	5 593	0,0
Glass and glass products	1 139	1 106	1 083	1 000	1 092	9,2
Non-metallic mineral products	4 261	4 598	4 620	4 591	4 500	-2,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	46 316	46 690	44 750	46 108	46 645	1,2
Basic iron and steel products	11 512	10 901	11 017	11 476	10 688	-6,9
Non-ferrous metal products	15 077	14 764	14 135	14 880	16 293	9,5
Structural metal products	3 083	3 552	3 100	3 178	3 134	-1,4
Other fabricated metal products	6 497	7 067	6 225	6 342	6 403	1,0
General purpose machinery	3 821	4 065	3 905	3 868	3 897	0,7
Special purpose machinery	5 181	5 147	5 218	5 190	5 049	-2,7
Household appliances	1 144	1 193	1 151	1 174	1 181	0,6
Electrical machinery	4 855	4 825	4 665	4 508	4 641	3,0
Radio, television and communication apparatus and professional equipment	2 112	2 091	2 057	2 012	2 020	0,4
Radio, television and communication apparatus	1 131	1 091	1 150	1 005	1 026	2,1
Professional equipment	981	999	907	1 007	995	-1,2
Motor vehicles, parts and accessories and other transport equipment	26 693	28 880	27 460	28 168	28 567	1,4
Motor vehicles	15 094	17 212	16 637	16 655	16 784	0,8
Bodies for motor vehicles, trailers and semi-trailers	1 227	1 388	1 140	1 315	1 222	-7,1
Parts and accessories	7 956	7 794	7 222	7 767	8 058	3,7
Other transport equipment	2 416	2 486	2 461	2 431	2 503	3,0
Furniture and other manufacturing	7 171	7 311	7 088	6 963	7 015	0,7
Furniture	1 398	1 418	1 406	1 390	1 346	-3,2
Other manufacturing groups	5 773	5 893	5 681	5 573	5 669	1,7
Total	198 510	204 389	197 191	200 244	200 568	0,2

Survey information

Introduction	1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group. 2 In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2015. Both estimated and seasonally adjusted figures are presented. 3 In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available. 4 Stats SA is continuously updating its BSF, based on units registered for value added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).
Purpose of the survey	5 The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.
Special Data Dissemination Standard of the IMF	6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
Scope of the survey	7 This survey covers manufacturing enterprises, i.e. those conducting activities in - • the manufacturing, processing, making or packing of products; • the slaughtering of animals, including poultry; and • installation, assembly, completion, repair and related work.
Classification	8 The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities</i> (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
Collection rate	9 The preliminary collection rate for the survey on manufacturing production and sales for July 2019 was 78,8%. The collection rate for June 2019 for the new sample was 82,2%.
Statistical unit	10 The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
Revised figures	11 Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.

- Related publications** 12 Users may also wish to refer to *Stats in Brief* available from Stats SA.
- Rounding-off of figures** 13 Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.
- Historical data** 14 Historical manufacturing data are available on the Stats SA webpage. Click on the following link ([Time series data](#)) to access the data electronically.
- Past publications** 15 Past manufacturing releases are available on the Stats SA webpage. Click on the following link ([Past publications](#)) to access the releases electronically.

Technical notes

- Survey methodology and design** 1 The survey is conducted monthly. Questionnaires are sent to a sample of 3 081 enterprises from a population of 49 776 manufacturing enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up on non-respondents.
- 2 A stratified random sample was drawn at the Standard Industrial Classification (SIC) three-digit level in April 2019 from Stats SA's business sampling frame (BSF). Strata were formed using a combination of the SIC and the measure of size classes for enterprises (see point 3 below).

The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below:

$$n_h = \frac{N_h S_h}{\sum N_h S_h}$$

N_h and S_h are the stratum population size and the stratum variance respectively.

- Class limits** 3 Each manufacturing major group is divided into four size groups. All large enterprises (size group one) are completely enumerated. Simple random sampling is applied to medium (size group two) and to small (size group three and four) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size group two, three and four of that major group to reflect the total value of sales of the major group.

Measure of size classes (Rand)

Enterprise size	Size group	Lower limits	Upper limits
Very small	4	1 961 626	15 000 000
Small	3	15 000 001	39 000 000
Medium	2	39 000 001	153 000 000
Large	1	153 000 001	

- Sample weighting** 4 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures are consistent with international best practice.
- Index of the volume of manufacturing production** 5 The index of the volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group

in the base period. The current base period is 2015. The production in the base period is set at 100.

Calculation of production index

- 6 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the production price index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 7 More direct indicators are used for the value of production of the following major groups:
 - tobacco;
 - coke and refined petroleum products;
 - basic iron and steel products;
 - basic precious and non-ferrous metal products;
 - motor vehicles; and
 - parts and accessories for motor vehicles.

The volume indices for these major groups are calculated on the basis of quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

Index weighting

- 8 For indices, a weight is calculated for every major group according to the value added of the major group (i.e. output of a major group minus intermediate consumption) relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing, large sample survey (LSS) of the manufacturing industry or national accounts (NA) value added data. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total volume of manufacturing production. Weights between census/LSS/NA years are fixed. The table below reflects the period and the census/LSS/NA which were used as base year for the given period.

Period	Source
1998 to 2000	1996 Census of manufacturing
2001 to 2004	2001 LSS
2005 to 2009	2005 LSS
2010 to 2019	National accounts

- 9 The weights reflect the importance of the major group/division to the total manufacturing industry. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights are calculated and implemented annually.

Table G – Weights by division and major group

Manufacturing division and major group	Weights used for manufacturing indices by period		
	2015 (based on value added for 2013 – 2015)	2016 (based on value added for 2014 – 2016)	2017 – 2019 (based on value added for 2015 – 2017)
Food and beverages	25,15	25,78	26,64
Meat, fish, fruit, etc.	6,39	6,59	6,69
Dairy products	1,89	2,00	2,15
Grain mill products	2,86	3,12	3,37
Other food products	7,62	7,74	8,14
Beverages	6,39	6,33	6,29
Textiles, clothing, leather and footwear	3,28	3,21	3,12
Textiles	0,83	0,80	0,78
Other textile products	0,41	0,41	0,40
Knitted, crocheted articles	0,09	0,09	0,09
Wearing apparel	1,10	1,08	1,04
Leather and leather products	0,49	0,48	0,46
Footwear	0,36	0,35	0,35
Wood and wood products, paper, publishing and printing	11,62	11,28	11,45
Sawmilling and planing of wood	1,71	1,69	1,73
Products of wood	2,37	2,42	2,57
Paper and paper products	4,33	4,09	4,14
Publishing	1,49	1,45	1,43
Printing, recorded media	1,72	1,63	1,58
Petroleum, chemical products, rubber and plastic products	24,01	23,82	23,07
Coke, petroleum products and nuclear fuel	9,29	9,18	8,67
Basic chemicals	4,36	4,41	4,29
Other chemical products	6,16	6,15	6,19
Rubber products	1,34	1,30	1,24
Plastic products	2,86	2,78	2,68
Glass and non-metallic mineral products	3,90	3,53	3,18
Glass and glass products	0,74	0,69	0,66
Non-metallic mineral products	3,16	2,84	2,52
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	18,74	18,69
Basic iron and steel products	3,44	3,52	3,57
Non-ferrous metal products (including precious metals)	2,73	2,60	2,58
Structural metal products	1,86	1,92	1,99
Other fabricated metal products	3,86	3,84	3,79
General purpose machinery	2,51	2,57	2,58
Special purpose machinery	3,51	3,50	3,41
Household appliances	0,81	0,79	0,77
Electrical machinery	1,65	1,63	1,64
Radio, television and communication apparatus and professional equipment	1,61	1,59	1,54
Radio, television and communication apparatus	0,93	0,92	0,90
Professional equipment	0,68	0,67	0,64
Motor vehicles, parts and accessories and other transport equipment	6,86	7,20	7,56
Motor vehicles	2,43	2,60	2,82
Bodies for motor vehicles, trailers and semi-trailers	0,46	0,48	0,47
Parts and accessories	2,76	2,89	3,04
Other transport equipment	1,21	1,23	1,23
Furniture and other manufacturing	3,20	3,22	3,11
Furniture	1,09	1,08	1,07
Other manufacturing groups	2,11	2,14	2,04
Total	100	100	100

Seasonal adjustment	10	Seasonally adjusted estimates of all major groups are generated each month, using the X-12 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour. The X-12-ARIMA procedure for manufacturing production and sales is described in more detail on the Stats SA website: Click to Download Seasonal adjustment Manufacturing June 2017
Trend cycle	11	The trend is the long-term pattern or movement of a time series. The X-12 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend.
Reliability of estimates	12	Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.
	13	Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.
Month-on-month percentage change	14	The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter.
Year-on-year (annual) percentage change	15	The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.
Index contribution (percentage points)	16	The contribution (percentage points) of a major group or division to the total manufacturing production percentage change for a given period is calculated by multiplying the difference in the index of each major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index.
Sales contribution (percentage points)	17	The contribution (percentage points) of a division or major group to the percentage change in total manufacturing sales for a given period is calculated by multiplying the percentage change of each major group or division with its percentage contribution to the total sales of the previous period, divided by 100.

Glossary

Enterprise	The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.	
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts</i> (SNA) in the same way as in the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02 of January 1993.	
Sales	Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.	
Symbols and abbreviations	BSF	Business sampling frame
	GDP	Gross domestic product
	IMF	International Monetary Fund
	ISIC	International Standard Industrial Classification
	LSS	Large sample survey
	NA	National accounts
	PPI	Producer price index
	Rm	R million
	SIC	Standard Industrial Classification of all Economic Activities
	SARS	South African Revenue Service
	SDDS	Special Data Dissemination Standard
	Stats SA	Statistics South Africa
	VAT	Value added tax
	*	Revised figures

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