

STATISTICAL RELEASE

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Manufacturing: Production and sales (Preliminary)

April 2019

This is the first publication with weights based on national accounts value added data for 2015–2017. Previously, production indices for the manufacturing divisions and total manufacturing were calculated using weights based on national accounts value added data for 2014–2016.

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Production: results for April 2019

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

	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19
Year-on-year % change, unadjusted	1,1	0,0	0,9	0,7	1,3	4,6
Month-on-month % change, seasonally adjusted	0,2	0,6	-1,7	-1,6	0,9	2,8
3-month % change, seasonally adjusted ¹	0,8	1,1	0,6	-0,6	-2,0	-1,1

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

Manufacturing production increased by 4,6% in April 2019 compared with April 2018. The largest positive contributions were made by the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (9,4% and contributing 1,8 percentage points);
- motor vehicles, parts and accessories and other transport equipment (18,6% and contributing 1,3 percentage points);
- food and beverages (3,3% and contributing 0,9 of a percentage point); and
- petroleum, chemical products, rubber and plastic products (1,7% and contributing 0,4 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 2,8% in April 2019 compared with March 2019. This followed month-on-month changes of 0,9% in March 2019 and -1,6% in February 2019 – see Table A.

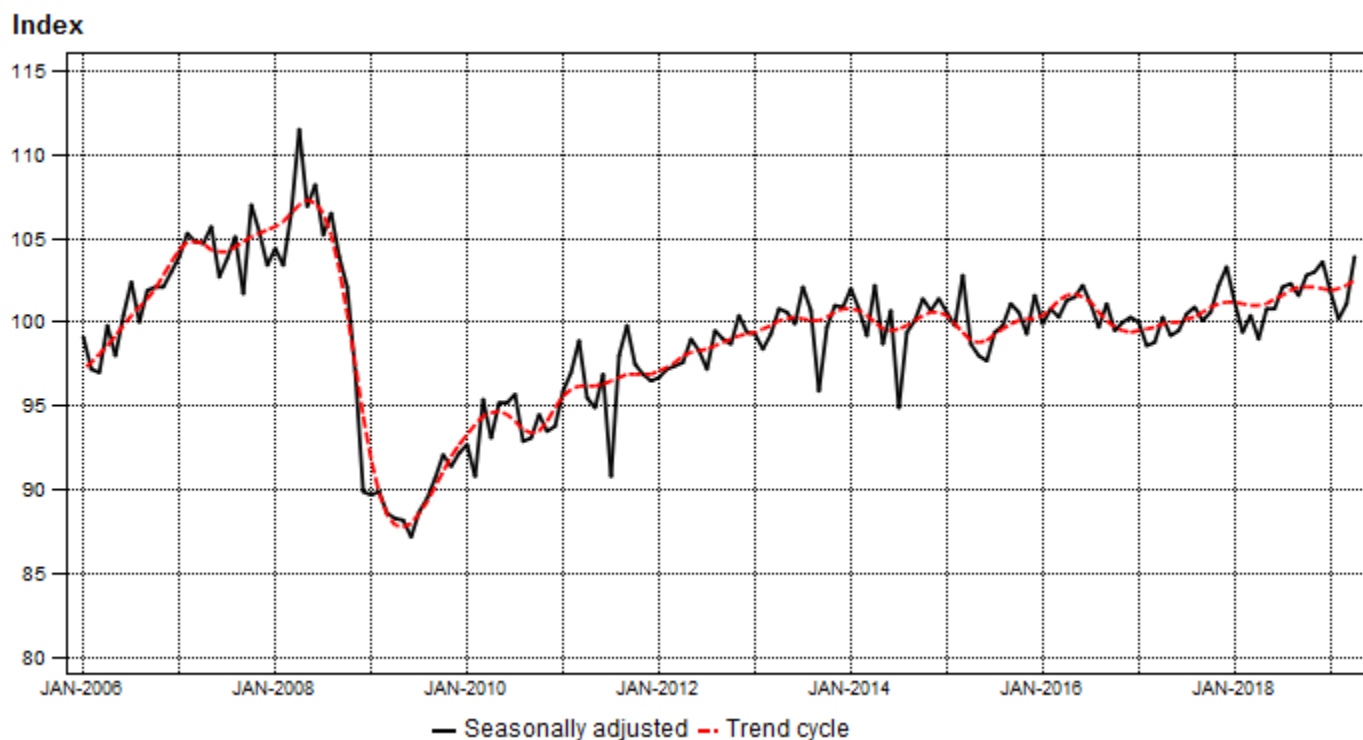
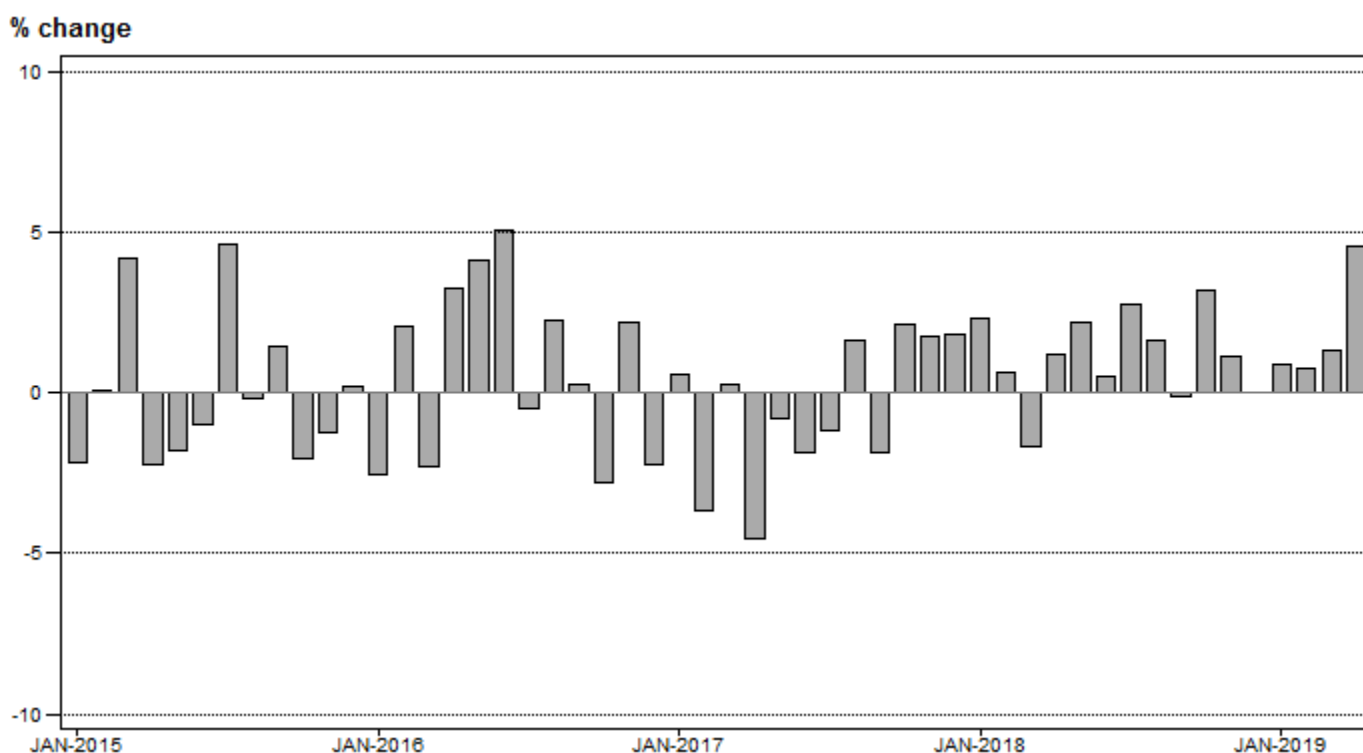
Seasonally adjusted manufacturing production decreased by 1,1% in the three months ended April 2019 compared with the previous three months. Six of the ten manufacturing divisions reported negative growth rates over this period.

The largest negative contribution was made by the petroleum, chemical products, rubber and plastic products division (-4,5% and contributing -1,1 percentage points) and the largest positive contribution was made by the basic iron and steel, non-ferrous metal products, metal products and machinery division (3,9% and contributing 0,7 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 *	Nov 2018 – Jan 2019	Feb – Apr 2019	% change between Nov 2018 – Jan 2019 and Feb – Apr 2019	Contribution (% points) to the total % change
Food and beverages	26,64	108,3	107,7	-0,6	-0,2
Meat, fish, fruit, etc.	6,69	104,4	104,1	-0,3	0,0
Dairy products	2,15	108,9	113,4	4,1	0,1
Grain mill products	3,37	98,1	97,8	-0,3	0,0
Other food products	8,14	113,2	109,0	-3,7	-0,3
Beverages	6,29	111,1	113,1	1,8	0,1
Textiles, clothing, leather and footwear	3,12	91,5	86,3	-5,7	-0,2
Textiles	0,78	99,9	91,3	-8,6	-0,1
Other textile products	0,40	97,7	90,1	-7,8	0,0
Knitted, crocheted articles	0,09	88,6	88,7	0,1	0,0
Wearing apparel	1,04	83,1	81,4	-2,0	0,0
Leather and leather products	0,46	81,2	79,4	-2,2	0,0
Footwear	0,35	105,7	94,0	-11,1	0,0
Wood and wood products, paper, publishing and printing	11,45	97,3	95,7	-1,6	-0,2
Sawmilling and planing of wood	1,73	99,4	97,7	-1,7	0,0
Products of wood	2,57	99,8	102,5	2,7	0,1
Paper and paper products	4,14	101,6	98,4	-3,1	-0,1
Publishing	1,43	80,0	77,8	-2,8	0,0
Printing, recorded media	1,58	95,6	91,8	-4,0	-0,1
Petroleum, chemical products, rubber and plastic products	23,07	103,4	98,7	-4,5	-1,1
Coke, petroleum products and nuclear fuel	8,67	110,8	101,8	-8,1	-0,8
Basic chemicals	4,29	94,7	92,3	-2,5	-0,1
Other chemical products	6,19	99,8	95,9	-3,9	-0,2
Rubber products	1,24	94,2	95,3	1,2	0,0
Plastic products	2,68	105,5	106,8	1,2	0,0
Glass and non-metallic mineral products	3,18	98,7	95,3	-3,4	-0,1
Glass and glass products	0,66	111,9	118,3	5,7	0,0
Non-metallic mineral products	2,52	95,3	89,3	-6,3	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	101,3	105,3	3,9	0,7
Basic iron and steel products	3,57	111,8	118,8	6,3	0,2
Non-ferrous metal products	2,58	108,5	106,5	-1,8	-0,1
Structural metal products	1,99	83,1	89,0	7,1	0,1
Other fabricated metal products	3,79	103,3	108,4	4,9	0,2
General purpose machinery	2,58	90,0	100,2	11,3	0,3
Special purpose machinery	3,41	102,6	102,6	0,0	0,0
Household appliances	0,77	98,5	93,6	-5,0	0,0
Electrical machinery	1,64	81,3	85,4	5,0	0,1
Radio, television and communication apparatus and professional equipment	1,54	94,1	94,6	0,5	0,0
Radio, television and communication apparatus	0,90	100,3	105,1	4,8	0,0
Professional equipment	0,64	85,6	80,0	-6,5	0,0
Motor vehicles, parts and accessories and other transport equipment	7,56	105,7	105,9	0,2	0,0
Motor vehicles	2,82	104,1	109,7	5,4	0,2
Bodies for motor vehicles, trailers and semi-trailers	0,47	104,5	110,3	5,6	0,0
Parts and accessories	3,04	115,7	110,0	-4,9	-0,2
Other transport equipment	1,23	84,9	85,1	0,2	0,0
Furniture and other manufacturing	3,11	103,5	99,1	-4,3	-0,1
Furniture	1,07	88,9	89,3	0,4	0,0
Other manufacturing groups	2,04	111,3	104,4	-6,2	-0,1
Total	100	102,8	101,7	-1,1	-1,1

* Revised due to reweighting. See note on page 6.

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 April 2019

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

	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19
Year-on-year % change, unadjusted	5,6	5,2	9,6	6,3	9,0	14,7
Month-on-month % change, seasonally adjusted	-0,7	-1,8	2,1	-1,1	1,4	2,8
3-month % change, seasonally adjusted ¹	3,7	1,3	0,1	-1,0	0,4	1,6

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

Seasonally adjusted manufacturing sales increased by 2,8% in April 2019 compared with March 2019. This followed month-on-month changes of 1,4% in March 2019 and -1,1% in February 2019 – see Table C.

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

Manufacturing division	Nov 2018 – Jan 2019 (R million)	Feb – Apr 2019 (R million)	% change between Nov 2018 – Jan 2019 and Feb – Apr 2019	Contribution (% points) to the total % change
Food and beverages	141 412	141 726	0,2	0,0
Textiles, clothing, leather and footwear	14 206	13 875	-2,3	-0,1
Wood and wood products, paper, publishing and printing	43 682	43 560	-0,3	0,0
Petroleum, chemical products, rubber and plastic products	123 428	125 792	1,9	0,4
Glass and non-metallic mineral products	16 885	16 350	-3,2	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	133 809	137 509	2,8	0,6
Electrical machinery	13 123	13 973	6,5	0,1
Radio, television and communication apparatus and professional equipment	6 376	6 417	0,6	0,0
Motor vehicles, parts and accessories and other transport equipment	84 195	87 750	4,2	0,6
Furniture and other manufacturing	23 755	23 394	-1,5	-0,1
Total	600 872	610 347	1,6	1,6

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Note – Reweighting of manufacturing production

Introduction

Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry covering manufacturing enterprises. This statistical release contains monthly indices of the physical volume of manufacturing production and monthly sales of manufactured products. The results of the manufacturing production indices published today contain changes related to reweighting.

Reweighting

New high-level weights for the manufacturing groups and divisions have been calculated based on national accounts value added data up to 2017. Previously, the weights were calculated from national accounts value added data up to 2016. The new and old weights are shown in Table E below and in more detail in Table G on page 21. The high-level weights are calculated as a three-year average of value added. The high-level weights for 2016 are the average of value added for 2014, 2015 and 2016, and the high-level weights for 2017 and following years are the average for 2015, 2016 and 2017. Historically, changes in manufacturing weights have been small, and the use of a moving average provides additional stability in the weights. The weights are updated annually.

The impact of reweighting the index of manufacturing production is illustrated in Tables E and F and Figure 3.

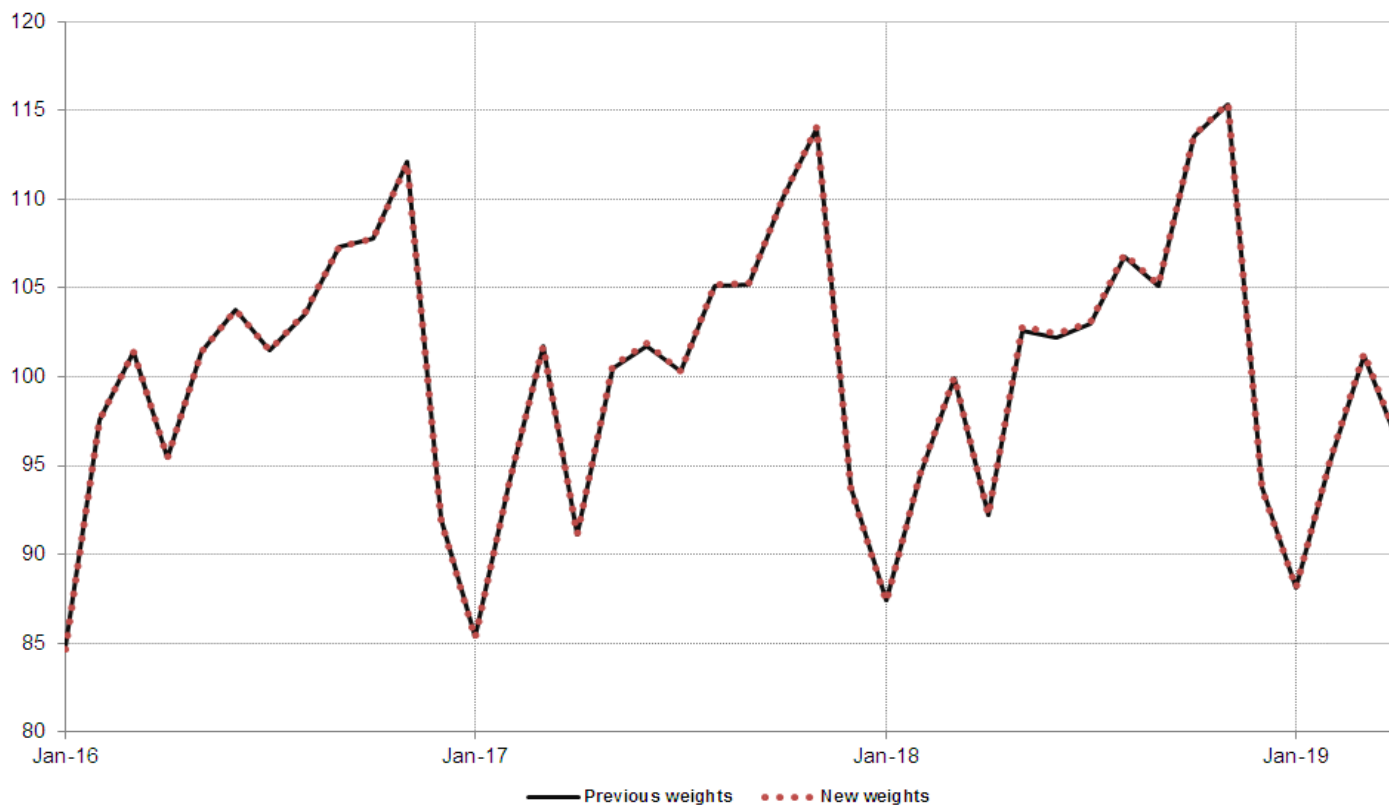
Table E – Comparison of manufacturing production indices based on previous and new weights

Manufacturing divisions	Previous weights based on value added for 2014 - 2016	New weights based on value added for 2015 - 2017	Year to date annual % change for 2019 ¹		Difference in results (% points)
			Previous weights	New weights	
Food and beverages	25,78	26,64	3,0	2,9	-0,1
Textiles, clothing, leather and footwear	3,21	3,12	-5,6	-5,6	0,0
Wood and wood products, paper, publishing and printing	11,28	11,45	-0,9	-0,9	0,0
Petroleum, chemical products, rubber and plastic products	23,82	23,07	3,0	2,9	-0,1
Glass and non-metallic mineral products	3,53	3,18	-4,5	-4,2	0,3
Basic iron and steel, non-ferrous metal and metal products and machinery	18,74	18,69	3,1	3,1	0,0
Electrical machinery	1,63	1,64	-1,7	-1,8	-0,1
Radio, television and communication apparatus and professional equipment	1,59	1,54	-2,7	-2,6	0,1
Motor vehicles, parts and accessories and other transport equipment	7,20	7,56	2,4	2,6	0,2
Furniture and other manufacturing	3,22	3,11	0,8	0,6	-0,2
Total manufacturing	100	100	1,8	1,9	0,1

¹ Up to April 2019.

Table F – Annual percentage change in manufacturing production indices based on previous and new weights

Manufacturing divisions	Previous weights			New weights		
	2016	2017	2018	2016	2017	2018
Food and beverages	-0,7	1,9	4,6	-0,7	1,8	4,6
Textiles, clothing, leather and footwear	-1,4	-3,9	-2,7	-1,4	-3,9	-2,7
Wood and wood products, paper, publishing and printing	3,2	-3,4	-1,2	3,2	-3,3	-1,2
Petroleum, chemical products, rubber and plastic products	4,0	-3,7	-0,8	4,0	-3,7	-0,8
Glass and non-metallic mineral products	-1,7	-1,9	2,0	-1,7	-1,8	2,1
Basic iron and steel, non-ferrous metal and metal products and machinery	-1,8	4,0	0,5	-1,8	4,0	0,5
Electrical machinery	-1,9	-7,5	-7,6	-1,9	-7,1	-7,6
Radio, television and communication apparatus and professional equipment	6,7	-2,2	-9,8	6,7	-2,2	-9,8
Motor vehicles, parts and accessories and other transport equipment	0,1	-0,5	4,7	0,1	-0,5	4,7
Furniture and other manufacturing	-2,4	-0,2	2,8	-2,4	-0,5	2,4
Total manufacturing	0,7	-0,5	1,2	0,7	-0,4	1,1

Figure 3 – Comparison of the total manufacturing production index based on previous and new weights**Base 2015 = 100**

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	95,3
Mar	98,2	99,6	103,8	101,4	101,7	100,0	101,3
Apr	95,6	94,5	92,4	95,4	91,1	92,2	96,4
May	101,9	99,2	97,4	101,4	100,6	102,8	
Jun	98,6	99,8	98,8	103,8	101,9	102,4	
Jul	104,8	97,5	102,0	101,5	100,3	103,1	
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.

* Revised due to reweighting. See note on page 6.

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	0,7	0,8
Mar	1,4	4,2	-2,3	0,3	-1,7	1,3	1,0
Apr	-1,2	-2,2	3,2	-4,5	1,2	4,6	1,9
May	-2,6	-1,8	4,1	-0,8	2,2		
Jun	1,2	-1,0	5,1	-1,8	0,5		
Jul	-7,0	4,6	-0,5	-1,2	2,8		
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	99,9	100,0	101,2	101,8	-1,7	-0,3	-2,0	-1,7
Feb	100,8	98,6	99,4	100,2	0,9	-1,4	-1,8	-1,6
Mar	100,3	98,8	100,4	101,1	-0,5	0,2	1,0	0,9
Apr	101,3	100,3	99,0	103,9	1,0	1,5	-1,4	2,8
May	101,5	99,2	100,8		0,2	-1,1	1,8	
Jun	102,2	99,5	100,8		0,7	0,3	0,0	
Jul	101,1	100,5	102,1		-1,1	1,0	1,3	
Aug	99,7	100,9	102,3		-1,4	0,4	0,2	
Sep	101,1	100,1	101,6		1,4	-0,8	-0,7	
Oct	99,5	100,6	102,8		-1,6	0,5	1,2	
Nov	100,0	102,2	103,0		0,5	1,6	0,2	
Dec	100,3	103,3	103,6		0,3	1,1	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	* Nov-18	* Dec-18	* Jan-19	¹ Feb-19	¹ Mar-19	¹ Apr-19
Food and beverages	26,64	121,6	113,0	94,4	95,9	102,7	100,7
Meat, fish, fruit, etc.	6,69	114,6	110,0	92,3	97,1	103,1	99,8
Dairy products	2,15	121,5	110,4	112,0	99,9	114,4	114,2
Grain mill products	3,37	108,7	97,3	90,1	89,4	96,8	94,2
Other food products	8,14	124,7	99,0	88,0	90,1	94,4	101,2
Beverages	6,29	131,8	143,7	101,4	104,4	112,0	99,7
Textiles, clothing, leather and footwear	3,12	111,8	73,0	66,7	84,3	85,9	86,0
Textiles	0,78	118,6	62,5	77,8	99,8	91,8	92,4
Other textile products	0,40	121,2	73,3	69,9	92,8	89,3	86,0
Knitted, crocheted articles	0,09	97,9	56,0	70,3	97,0	91,0	88,7
Wearing apparel	1,04	102,1	72,6	54,9	73,1	82,0	77,1
Leather and leather products	0,46	91,3	77,1	71,2	75,4	75,6	87,2
Footwear	0,35	145,5	96,0	66,8	82,2	93,2	96,3
Wood and wood products, paper, publishing and printing	11,45	113,7	86,9	83,7	91,9	94,8	85,7
Sawmilling and planing of wood	1,73	106,1	74,0	85,7	93,0	104,3	94,9
Products of wood	2,57	118,6	74,6	81,8	99,4	100,7	99,0
Paper and paper products	4,14	113,7	102,6	92,2	95,2	98,6	85,4
Publishing	1,43	100,0	79,3	63,9	74,5	71,3	63,6
Printing, recorded media	1,58	126,7	87,1	80,0	85,7	85,9	74,6
Petroleum, chemical products, rubber and plastic products	23,07	112,5	97,7	96,1	91,2	98,6	95,7
Coke, petroleum products and nuclear fuel	8,67	110,9	113,1	108,5	88,0	108,9	108,5
Basic chemicals	4,29	104,8	87,3	93,4	90,0	77,1	85,2
Other chemical products	6,19	114,6	96,0	86,2	91,4	95,0	84,6
Rubber products	1,24	105,2	50,3	85,8	102,4	104,6	85,6
Plastic products	2,68	128,5	90,0	87,9	97,9	105,0	101,7
Glass and non-metallic mineral products	3,18	112,1	80,5	71,8	89,7	90,9	88,4
Glass and glass products	0,66	130,3	112,0	95,2	105,3	113,8	103,2
Non-metallic mineral products	2,52	107,3	72,2	65,7	85,6	84,9	84,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	109,8	84,5	85,2	100,8	111,7	103,4
Basic iron and steel products	3,57	119,2	97,1	103,6	117,9	122,4	124,5
Non-ferrous metal products	2,58	109,3	101,4	103,2	99,5	108,6	107,8
Structural metal products	1,99	100,5	57,6	64,8	84,9	90,0	83,3
Other fabricated metal products	3,79	116,7	73,1	82,2	103,9	112,1	106,6
General purpose machinery	2,58	102,2	78,6	65,9	91,2	100,5	99,5
Special purpose machinery	3,41	104,6	92,8	79,8	95,9	128,2	91,7
Household appliances	0,77	105,7	77,1	95,1	104,9	90,1	90,8
Electrical machinery	1,64	92,2	58,0	63,5	81,6	95,9	80,9
Radio, television and communication apparatus and professional equipment	1,54	108,2	99,1	72,4	88,5	98,6	85,1
Radio, television and communication apparatus	0,90	118,6	103,7	79,0	97,6	104,1	92,6
Professional equipment	0,64	93,6	92,7	63,1	75,7	90,8	74,5
Motor vehicles, parts and accessories and other transport equipment	7,56	122,6	69,8	80,5	106,5	107,5	101,6
Motor vehicles	2,82	118,4	55,3	79,2	111,7	109,3	103,4
Bodies for motor vehicles, trailers and semi-trailers	0,47	125,0	68,0	79,6	106,5	111,7	109,6
Parts and accessories	3,04	140,3	78,7	87,9	112,3	110,9	111,5
Other transport equipment	1,23	87,6	81,8	65,3	80,4	93,4	69,8
Furniture and other manufacturing	3,11	129,0	88,9	85,9	99,7	86,1	83,3
Furniture	1,07	120,2	73,2	59,2	85,4	78,4	81,8
Other manufacturing groups	2,04	133,6	97,1	99,9	107,2	90,1	84,1
Total	100	115,4	93,7	88,1	95,3	101,3	96,4

¹ The latest three months are preliminary.

* Revised due to reweighting. See note on page 6.

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	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19
Food and beverages	4,6	4,4	4,3	3,6	1,1	3,3
Meat, fish, fruit, etc.	4,0	2,5	-0,8	3,6	2,1	6,9
Dairy products	7,8	4,2	11,6	2,8	5,9	17,1
Grain mill products	0,3	0,3	0,1	-1,1	-5,0	-0,4
Other food products	2,5	1,2	2,1	-0,7	-2,4	-7,1
Beverages	9,1	11,1	12,5	11,9	5,4	12,3
Textiles, clothing, leather and footwear	1,5	-5,3	-4,3	-7,3	-6,5	-3,9
Textiles	4,7	-3,4	3,0	-5,2	-12,7	-9,9
Other textile products	4,2	-8,6	-3,1	-8,2	-13,8	-12,5
Knitted, crocheted articles	-9,5	-13,2	-2,9	0,0	-11,4	-12,4
Wearing apparel	-6,6	-9,9	-1,6	-10,4	-2,0	-4,5
Leather and leather products	-1,1	-10,3	-13,3	-9,0	-2,7	2,6
Footwear	19,2	17,4	-14,7	-2,1	4,6	21,1
Wood and wood products, paper, publishing and printing	-1,0	-2,1	0,2	-2,2	-1,8	0,8
Sawmilling and planing of wood	-4,8	-11,5	-12,1	-8,4	-9,6	1,2
Products of wood	-2,7	-6,8	6,6	0,8	-7,6	2,5
Paper and paper products	5,0	3,4	1,8	-0,7	9,3	2,5
Publishing	-15,2	-2,3	-5,9	-4,5	-5,1	-9,5
Printing, recorded media	3,9	-1,4	7,1	-2,4	-5,6	0,1
Petroleum, chemical products, rubber and plastic products	0,4	-2,7	1,3	2,5	6,1	1,7
Coke, petroleum products and nuclear fuel	1,4	-0,3	3,3	6,8	33,0	2,3
Basic chemicals	-10,4	-11,0	-3,9	-0,4	-23,4	-2,6
Other chemical products	5,0	-1,2	2,0	1,0	-3,5	-0,5
Rubber products	1,2	-16,7	1,2	2,0	0,4	-4,8
Plastic products	4,6	2,6	0,8	-1,9	6,9	14,0
Glass and non-metallic mineral products	-2,5	7,9	-4,8	-2,1	-5,4	-4,5
Glass and glass products	7,4	13,0	-0,2	11,9	20,2	6,5
Non-metallic mineral products	-5,4	5,9	-6,4	-5,9	-12,0	-7,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	-2,5	-3,0	-1,7	0,7	3,4	9,4
Basic iron and steel products	-0,3	-3,3	-13,6	8,1	1,6	8,4
Non-ferrous metal products	0,3	3,3	5,5	-4,4	-1,2	10,8
Structural metal products	-13,4	-11,0	11,9	-4,0	2,0	14,0
Other fabricated metal products	-0,5	-8,6	-4,6	3,2	4,4	10,4
General purpose machinery	-7,4	-10,6	-8,6	-4,9	0,5	14,1
Special purpose machinery	-0,7	5,8	12,1	-3,0	12,7	3,9
Household appliances	7,1	1,8	7,1	15,8	-9,6	3,8
Electrical machinery	-8,2	-19,7	-9,4	-4,0	-4,8	12,2
Radio, television and communication apparatus and professional equipment	-9,1	-8,2	-5,0	-7,2	1,2	0,0
Radio, television and communication apparatus	-8,8	-7,4	5,1	1,8	4,9	7,3
Professional equipment	-9,7	-9,6	-18,6	-20,1	-4,3	-10,8
Motor vehicles, parts and accessories and other transport equipment	7,2	4,6	0,1	1,1	-6,0	18,6
Motor vehicles	5,0	3,8	27,9	11,3	8,3	33,9
Bodies for motor vehicles, trailers and semi-trailers	-5,6	-7,5	-5,8	-4,7	-6,4	7,5
Parts and accessories	16,0	11,9	-14,5	-2,5	-8,9	11,3
Other transport equipment	-8,2	-5,0	-0,6	-10,3	-25,4	10,6
Furniture and other manufacturing	3,7	7,4	2,5	-7,6	3,4	6,5
Furniture	-6,0	-13,6	-5,0	-9,7	-9,8	-2,7
Other manufacturing groups	8,9	18,8	4,9	-6,8	10,7	12,0
Total	1,1	0,0	0,9	0,7	1,3	4,6

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

* Revised due to reweighting. See note on page 6.

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	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	Month-on-month % change
Food and beverages	26,64	107,8	108,5	107,6	108,0	107,4	-0,6
Meat, fish, fruit, etc.	6,69	104,0	104,3	104,6	103,8	104,0	0,2
Dairy products	2,15	105,6	112,2	109,4	111,3	119,6	7,5
Grain mill products	3,37	97,6	98,2	98,6	95,2	99,5	4,5
Other food products	8,14	111,9	113,4	109,1	111,4	106,5	-4,4
Beverages	6,29	112,7	110,8	113,2	113,8	112,3	-1,3
Textiles, clothing, leather and footwear	3,12	93,0	90,6	85,4	83,9	89,6	6,8
Textiles	0,78	99,9	98,5	93,6	85,9	94,4	9,9
Other textile products	0,40	99,0	94,8	92,6	85,3	92,3	8,2
Knitted, crocheted articles	0,09	86,1	91,1	94,8	85,3	85,9	0,7
Wearing apparel	1,04	82,1	87,5	78,6	80,8	84,9	5,1
Leather and leather products	0,46	84,3	75,8	77,2	79,7	81,4	2,1
Footwear	0,35	116,5	97,2	87,3	92,5	102,1	10,4
Wood and wood products, paper, publishing and printing	11,45	96,5	96,8	96,3	94,1	96,8	2,9
Sawmilling and planing of wood	1,73	98,4	98,7	97,4	97,2	98,5	1,3
Products of wood	2,57	99,1	100,8	103,0	100,5	103,9	3,4
Paper and paper products	4,14	101,7	99,6	99,4	96,1	99,6	3,6
Publishing	1,43	78,9	78,6	79,4	77,5	76,5	-1,3
Printing, recorded media	1,58	92,8	97,3	91,1	90,3	94,1	4,2
Petroleum, chemical products, rubber and plastic products	23,07	104,7	102,5	94,6	99,3	102,1	2,8
Coke, petroleum products and nuclear fuel	8,67	113,1	108,5	88,0	108,9	108,5	-0,4
Basic chemicals	4,29	94,9	97,3	99,2	83,4	94,3	13,1
Other chemical products	6,19	102,0	97,9	97,0	94,9	95,7	0,8
Rubber products	1,24	89,2	97,0	97,4	89,6	99,0	10,5
Plastic products	2,68	106,2	104,7	101,7	108,2	110,5	2,1
Glass and non-metallic mineral products	3,18	106,1	93,9	98,4	91,8	95,7	4,2
Glass and glass products	0,66	117,4	106,8	116,9	122,8	115,1	-6,3
Non-metallic mineral products	2,52	103,2	90,5	93,6	83,7	90,6	8,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	101,9	100,3	102,6	104,3	108,9	4,4
Basic iron and steel products	3,57	114,0	103,6	119,6	116,1	120,7	4,0
Non-ferrous metal products	2,58	109,5	108,4	104,6	106,1	108,8	2,5
Structural metal products	1,99	80,7	85,2	83,1	87,6	96,4	10,0
Other fabricated metal products	3,79	104,3	103,4	104,9	108,8	111,4	2,4
General purpose machinery	2,58	91,1	86,4	94,8	98,0	107,9	10,1
Special purpose machinery	3,41	102,3	106,1	98,0	105,1	104,8	-0,3
Household appliances	0,77	97,8	103,0	102,3	81,9	96,5	17,8
Electrical machinery	1,64	79,7	83,9	84,7	83,4	88,1	5,6
Radio, television and communication apparatus and professional equipment	1,54	96,7	95,2	92,0	95,9	95,9	0,0
Radio, television and communication apparatus	0,90	101,4	103,5	102,8	105,6	107,0	1,3
Professional equipment	0,64	90,2	83,6	77,0	82,4	80,5	-2,3
Motor vehicles, parts and accessories and other transport equipment	7,56	109,2	99,7	105,4	103,0	109,2	6,0
Motor vehicles	2,82	105,6	105,2	110,1	105,4	113,6	7,8
Bodies for motor vehicles, trailers and semi-trailers	0,47	104,7	107,2	106,6	111,4	113,0	1,4
Parts and accessories	3,04	124,2	98,2	109,4	108,2	112,5	4,0
Other transport equipment	1,23	82,0	87,9	84,5	81,3	89,5	10,1
Furniture and other manufacturing	3,11	104,8	102,2	96,0	96,0	105,4	9,8
Furniture	1,07	86,4	91,1	89,3	86,8	91,8	5,8
Other manufacturing groups	2,04	114,5	108,1	99,6	100,9	112,6	11,6
Total	100	103,6	101,8	100,2	101,1	103,9	2,8

* Revised due to reweighting. See note on page 6.

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

Month	2013	2014	2015	2016	2017	2018	2019 ¹
Jan	121 436	135 677	135 105	139 194	149 598	156 736	171 820
Feb	137 860	152 891	150 297	162 804	165 159	176 201	187 336
Mar	144 166	158 596	169 510	171 979	185 331	187 729	204 636
Apr	139 563	150 136	149 096	162 622	160 348	167 504	192 130
May	147 760	154 928	160 228	175 473	182 017	194 480	
Jun	145 708	163 114	165 325	179 564	185 638	194 615	
Jul	153 100	152 581	165 809	173 159	177 157	196 533	
Aug	150 611	163 460	163 742	179 525	188 712	204 207	
Sep	146 841	170 204	174 697	186 940	191 032	207 070	
Oct	163 656	183 528	181 093	186 342	199 764	223 783	
Nov	169 622	178 453	181 957	198 464	216 510	228 660	
Dec	146 427	154 776	158 052	165 556	175 770	184 916	
Total	1 766 750	1 918 344	1 954 911	2 081 622	2 177 036	2 322 434	

¹ The latest three months are preliminary.

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	11,7	-0,4	3,0	7,5	4,8	9,6	9,6
Feb	10,9	-1,7	8,3	1,4	6,7	6,3	7,9
Mar	10,0	6,9	1,5	7,8	1,3	9,0	8,3
Apr	7,6	-0,7	9,1	-1,4	4,5	14,7	9,8
May	4,9	3,4	9,5	3,7	6,8		
Jun	11,9	1,4	8,6	3,4	4,8		
Jul	-0,3	8,7	4,4	2,3	10,9		
Aug	8,5	0,2	9,6	5,1	8,2		
Sep	15,9	2,6	7,0	2,2	8,4		
Oct	12,1	-1,3	2,9	7,2	12,0		
Nov	5,2	2,0	9,1	9,1	5,6		
Dec	5,7	2,1	4,7	6,2	5,2		
Total	8,6	1,9	6,5	4,6	6,7		

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	167 349	177 832	184 902	201 899	1,7	2,0	-1,4	2,1
Feb	170 989	175 807	187 886	199 713	2,2	-1,1	1,6	-1,1
Mar	170 121	178 152	187 959	202 466	-0,5	1,3	0,0	1,4
Apr	172 746	178 902	179 909	208 168	1,5	0,4	-4,3	2,8
May	175 825	179 944	192 014		1,8	0,6	6,7	
Jun	175 842	180 221	191 127		0,0	0,2	-0,5	
Jul	174 672	179 799	196 318		-0,7	-0,2	2,7	
Aug	173 566	182 406	196 258		-0,6	1,4	0,0	
Sep	175 468	181 616	201 101		1,1	-0,4	2,5	
Oct	172 104	182 129	202 649		-1,9	0,3	0,8	
Nov	175 094	191 820	201 292		1,7	5,3	-0,7	
Dec	174 323	187 610	197 681		-0,4	-2,2	-1,8	

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

Manufacturing division and major group	Nov-18	Dec-18	Jan-19	¹ Feb-19	¹ Mar-19	¹ Apr-19
Food and beverages	52 495	52 126	43 641	41 756	46 318	45 685
Meat, fish, fruit, etc.	14 547	13 910	10 828	11 497	12 717	12 301
Dairy products	4 188	4 110	4 006	3 713	4 315	4 169
Grain mill products	7 045	6 316	6 136	5 829	6 728	6 493
Other food products	10 648	9 419	10 872	8 488	9 054	10 547
Beverages	16 067	18 370	11 800	12 230	13 504	12 175
Textiles, clothing, leather and footwear	5 896	4 008	3 402	4 236	4 711	4 546
Textiles	711	388	446	581	571	538
Other textile products	1 661	1 005	957	1 249	1 293	1 230
Knitted, crocheted articles	234	140	169	217	227	229
Wearing apparel	1 880	1 338	965	1 279	1 501	1 424
Leather and leather products	679	545	497	489	632	666
Footwear	731	593	369	421	486	458
Wood and wood products, paper, publishing and printing	17 173	13 634	12 559	13 695	14 474	12 513
Sawmilling and planing of wood	1 054	650	904	871	1 018	1 029
Products of wood	2 414	1 515	1 615	2 032	2 109	2 011
Paper and paper products	7 984	7 284	6 421	6 702	7 280	5 951
Publishing	2 019	1 590	1 303	1 520	1 440	1 326
Printing, recorded media	3 702	2 595	2 316	2 571	2 626	2 197
Petroleum, chemical products, rubber and plastic products	46 578	39 704	36 893	36 449	40 025	39 647
Coke, petroleum products and nuclear fuel	14 604	14 389	13 120	10 637	12 859	14 087
Basic chemicals	9 746	7 765	7 615	7 712	8 023	7 751
Other chemical products	13 620	11 590	10 277	11 154	11 958	10 830
Rubber products	1 616	1 015	1 067	1 406	1 491	1 312
Plastic products	6 992	4 945	4 814	5 539	5 695	5 667
Glass and non-metallic mineral products	6 548	4 390	4 136	5 005	5 289	5 061
Glass and glass products	1 322	939	877	908	961	923
Non-metallic mineral products	5 226	3 451	3 259	4 098	4 328	4 137
Basic iron and steel, non-ferrous metal products, metal products and machinery	48 952	38 880	37 471	42 630	49 769	43 944
Basic iron and steel products	12 588	9 290	9 934	10 517	12 664	10 624
Non-ferrous metal products	14 338	13 648	12 356	12 201	14 710	13 656
Structural metal products	3 430	1 961	2 085	2 852	3 176	2 865
Other fabricated metal products	7 666	4 893	5 255	6 633	7 088	6 813
General purpose machinery	3 749	2 915	2 466	3 440	3 953	3 708
Special purpose machinery	5 775	5 179	4 317	5 757	6 793	5 123
Household appliances	1 406	994	1 059	1 228	1 385	1 156
Electrical machinery	5 019	3 384	3 400	4 562	5 201	4 311
Radio, television and communication apparatus and professional equipment	2 429	2 463	1 462	2 109	2 189	1 846
Radio, television and communication apparatus	1 498	1 480	827	1 328	1 298	1 068
Professional equipment	931	984	635	781	890	779
Motor vehicles, parts and accessories and other transport equipment	34 388	18 678	22 887	29 410	29 384	27 321
Motor vehicles	21 060	10 411	13 798	17 353	16 120	16 660
Bodies for motor vehicles, trailers and semi-trailers	1 333	751	900	1 120	1 247	1 186
Parts and accessories	9 030	4 773	6 014	8 253	8 862	7 084
Other transport equipment	2 966	2 743	2 175	2 684	3 156	2 390
Furniture and other manufacturing	9 184	7 650	5 968	7 483	7 275	7 256
Furniture	1 787	1 204	851	1 268	1 213	1 246
Other manufacturing groups	7 397	6 446	5 116	6 215	6 062	6 010
Total	228 660	184 916	171 820	187 336	204 636	192 130

¹ The latest three months are preliminary.

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

Manufacturing division and major group	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19
Food and beverages	5,6	7,9	15,6	7,3	7,0	10,5
Meat, fish, fruit, etc.	6,7	5,7	-0,6	4,9	6,3	13,8
Dairy products	3,4	7,6	10,7	5,5	10,2	17,8
Grain mill products	5,9	5,8	14,8	10,3	9,3	16,4
Other food products	-6,3	3,8	33,5	3,6	5,7	-3,5
Beverages	14,7	12,8	21,1	11,5	6,6	15,9
Textiles, clothing, leather and footwear	0,6	-3,0	-2,2	-3,7	0,9	0,0
Textiles	-3,1	-0,3	-1,8	-1,7	-4,0	-8,5
Other textile products	9,1	-10,5	2,4	-3,9	-3,8	-5,3
Knitted, crocheted articles	-7,1	-12,5	6,3	0,5	-5,8	-4,6
Wearing apparel	-7,0	-7,5	-1,4	-5,7	-0,9	-1,0
Leather and leather products	-2,3	-6,4	-14,5	-11,1	10,1	9,9
Footwear	15,7	36,6	-0,8	9,9	21,2	22,8
Wood and wood products, paper, publishing and printing	3,6	5,1	8,5	3,1	9,1	4,7
Sawmilling and planing of wood	1,4	-16,6	3,4	-9,0	0,3	18,4
Products of wood	-5,5	-6,7	4,7	4,3	-6,1	6,3
Paper and paper products	7,8	9,7	8,1	3,0	21,2	3,0
Publishing	-3,4	5,1	1,1	2,7	3,1	-0,1
Printing, recorded media	6,3	7,4	20,0	7,8	1,0	5,5
Petroleum, chemical products, rubber and plastic products	5,9	2,6	3,7	4,1	6,1	14,8
Coke, petroleum products and nuclear fuel	7,3	4,7	1,8	1,1	13,4	19,5
Basic chemicals	1,9	-2,8	2,7	4,5	-3,7	17,9
Other chemical products	8,4	3,7	7,0	6,3	5,2	6,5
Rubber products	6,0	-2,3	-1,5	6,0	2,2	7,8
Plastic products	4,0	4,4	5,3	4,7	8,8	18,9
Glass and non-metallic mineral products	-1,9	5,7	-0,9	-4,3	-4,4	-0,1
Glass and glass products	9,1	7,7	9,5	13,6	18,1	13,5
Non-metallic mineral products	-4,4	5,2	-3,4	-7,5	-8,2	-2,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	3,0	11,5	5,8	4,2	17,2	17,7
Basic iron and steel products	-9,8	10,7	-13,7	-8,9	9,0	5,8
Non-ferrous metal products	19,8	32,7	28,5	15,4	42,2	37,4
Structural metal products	-5,7	-6,6	13,7	-1,2	12,1	22,1
Other fabricated metal products	3,1	-4,1	1,7	6,8	8,6	12,8
General purpose machinery	-0,7	-9,1	-1,4	-0,8	5,6	18,2
Special purpose machinery	4,9	7,6	14,7	13,8	11,0	7,7
Household appliances	11,2	1,7	3,3	6,7	10,0	6,4
Electrical machinery	-4,0	-13,4	-4,9	0,3	3,8	9,2
Radio, television and communication apparatus and professional equipment	-2,7	5,5	-9,0	3,4	3,6	-0,2
Radio, television and communication apparatus	-3,5	14,7	-5,9	20,0	10,8	8,0
Professional equipment	-1,4	-5,8	-12,7	-16,2	-5,4	-9,5
Motor vehicles, parts and accessories and other transport equipment	14,5	-3,9	26,1	19,4	9,3	34,0
Motor vehicles	23,7	-7,0	51,3	31,5	15,0	49,3
Bodies for motor vehicles, trailers and semi-trailers	6,2	-4,1	13,9	10,1	9,0	23,8
Parts and accessories	3,6	1,1	-2,0	9,3	14,6	13,4
Other transport equipment	-2,0	0,0	3,6	-6,1	-20,7	17,7
Furniture and other manufacturing	9,1	10,2	9,5	3,2	6,7	11,4
Furniture	-8,4	-10,1	-7,8	-8,4	-5,7	-0,2
Other manufacturing groups	14,3	15,0	13,0	6,0	9,6	14,1
Total	5,6	5,2	9,6	6,3	9,0	14,7

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

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

Manufacturing division and major group	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	Month-on-month % change
Food and beverages	45 842	49 482	46 417	47 293	48 016	1,5
Meat, fish, fruit, etc.	12 692	12 695	12 763	12 838	12 853	0,1
Dairy products	3 816	4 146	4 054	4 142	4 342	4,8
Grain mill products	6 363	6 630	6 558	6 611	6 878	4,0
Other food products	9 718	12 234	9 640	9 910	10 351	4,5
Beverages	13 254	13 777	13 401	13 792	13 592	-1,5
Textiles, clothing, leather and footwear	4 825	4 676	4 543	4 616	4 716	2,2
Textiles	605	578	585	543	566	4,2
Other textile products	1 320	1 308	1 281	1 280	1 268	-0,9
Knitted, crocheted articles	199	231	217	207	218	5,3
Wearing apparel	1 463	1 508	1 462	1 470	1 510	2,7
Leather and leather products	610	553	511	624	666	6,7
Footwear	627	497	488	492	489	-0,6
Wood and wood products, paper, publishing and printing	14 370	14 736	14 430	14 350	14 780	3,0
Sawmilling and planing of wood	762	1 053	935	952	1 202	26,3
Products of wood	2 011	2 082	2 132	2 078	2 177	4,8
Paper and paper products	7 214	7 162	7 009	6 946	7 068	1,8
Publishing	1 585	1 600	1 607	1 595	1 585	-0,6
Printing, recorded media	2 797	2 839	2 747	2 780	2 748	-1,2
Petroleum, chemical products, rubber and plastic products	41 853	40 698	40 755	41 754	43 283	3,7
Coke, petroleum products and nuclear fuel	13 770	13 338	12 981	14 248	14 917	4,7
Basic chemicals	8 597	8 364	8 615	8 300	8 566	3,2
Other chemical products	12 404	11 861	12 006	11 874	12 143	2,3
Rubber products	1 352	1 326	1 363	1 360	1 465	7,7
Plastic products	5 730	5 808	5 789	5 971	6 191	3,7
Glass and non-metallic mineral products	5 972	5 457	5 498	5 305	5 547	4,6
Glass and glass products	1 031	1 027	1 062	1 103	1 084	-1,7
Non-metallic mineral products	4 942	4 430	4 436	4 201	4 463	6,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	45 169	43 724	43 720	46 892	46 897	0,0
Basic iron and steel products	11 838	10 074	10 746	11 638	11 001	-5,5
Non-ferrous metal products	13 790	13 364	12 698	14 689	14 334	-2,4
Structural metal products	2 738	2 869	2 737	3 039	3 270	7,6
Other fabricated metal products	6 751	6 687	6 871	6 881	7 351	6,8
General purpose machinery	3 247	3 442	3 555	3 720	3 972	6,8
Special purpose machinery	5 576	6 060	5 881	5 678	5 698	0,4
Household appliances	1 229	1 228	1 232	1 249	1 271	1,8
Electrical machinery	4 352	4 362	4 518	4 668	4 787	2,5
Radio, television and communication apparatus and professional equipment	2 360	1 981	2 174	2 127	2 116	-0,5
Radio, television and communication apparatus	1 407	1 151	1 378	1 305	1 291	-1,1
Professional equipment	953	829	796	823	824	0,1
Motor vehicles, parts and accessories and other transport equipment	24 982	28 948	30 004	27 780	29 966	7,9
Motor vehicles	13 420	17 692	18 032	15 935	18 169	14,0
Bodies for motor vehicles, trailers and semi-trailers	1 076	1 303	1 165	1 203	1 258	4,6
Parts and accessories	7 701	7 101	8 001	7 976	7 802	-2,2
Other transport equipment	2 785	2 851	2 806	2 666	2 737	2,7
Furniture and other manufacturing	7 955	7 836	7 653	7 681	8 060	4,9
Furniture	1 368	1 350	1 352	1 344	1 379	2,6
Other manufacturing groups	6 587	6 486	6 301	6 337	6 681	5,4
Total	197 681	201 899	199 713	202 466	208 168	2,8

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 April 2019 was 86,9%. The improved collection rate for March 2019 was 89,1%.
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 3 083 enterprises from a population of 50 191 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 2018 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	1 842 288	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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