

STATISTICAL RELEASE

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Manufacturing: Production and sales (Preliminary)

March 2018

The results in the next publication (April 2018) will be updated with weights based on national accounts value added data for 2014–2016. Currently, the manufacturing divisions and total manufacturing production indices are calculated using weights based on national accounts value added data for 2013–2015.

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Nicolai Claassen
Tel: (012) 310 8007

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www.statssa.gov.za
info@statssa.gov.za
T +27 12 310 8911
F +27 12 310 8500

Private Bag X44, Pretoria, 0001, South Africa
ISibalo House, Koch Street, Salvokop, Pretoria, 0002

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Production: results for March 2018

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

	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18
Year-on-year % change, unadjusted	2,1	1,6	2,0	2,3	0,5	-1,3
Month-on-month % change, seasonally adjusted	1,1	1,1	1,2	-1,6	-2,5	1,3
3-month % change, seasonally adjusted ¹	0,8	0,7	1,6	1,7	0,3	-1,7

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

Manufacturing production decreased by 1,3% in March 2018 compared with March 2017. The largest negative contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (-6,3% and contributing -1,5 percentage points);
- wood and wood products, paper, publishing and printing (-6,1% and contributing -0,7 of a percentage point);
- textiles, clothing, leather and footwear (-10,1% and contributing -0,3 of a percentage point);
- glass and non-metallic minerals (-6,4% and contributing -0,3 of a percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (-1,7% and contributing -0,3 of a percentage point).

The largest positive contributions to the year-on-year growth rate of -1,3% in March 2018 were made by the following divisions:

- food and beverages (6,1% and contributing 1,5 percentage points); and
- motor vehicles, parts and accessories and other transport equipment (6,4% and contributing 0,5 of a percentage point) – see Tables 5 and 6.

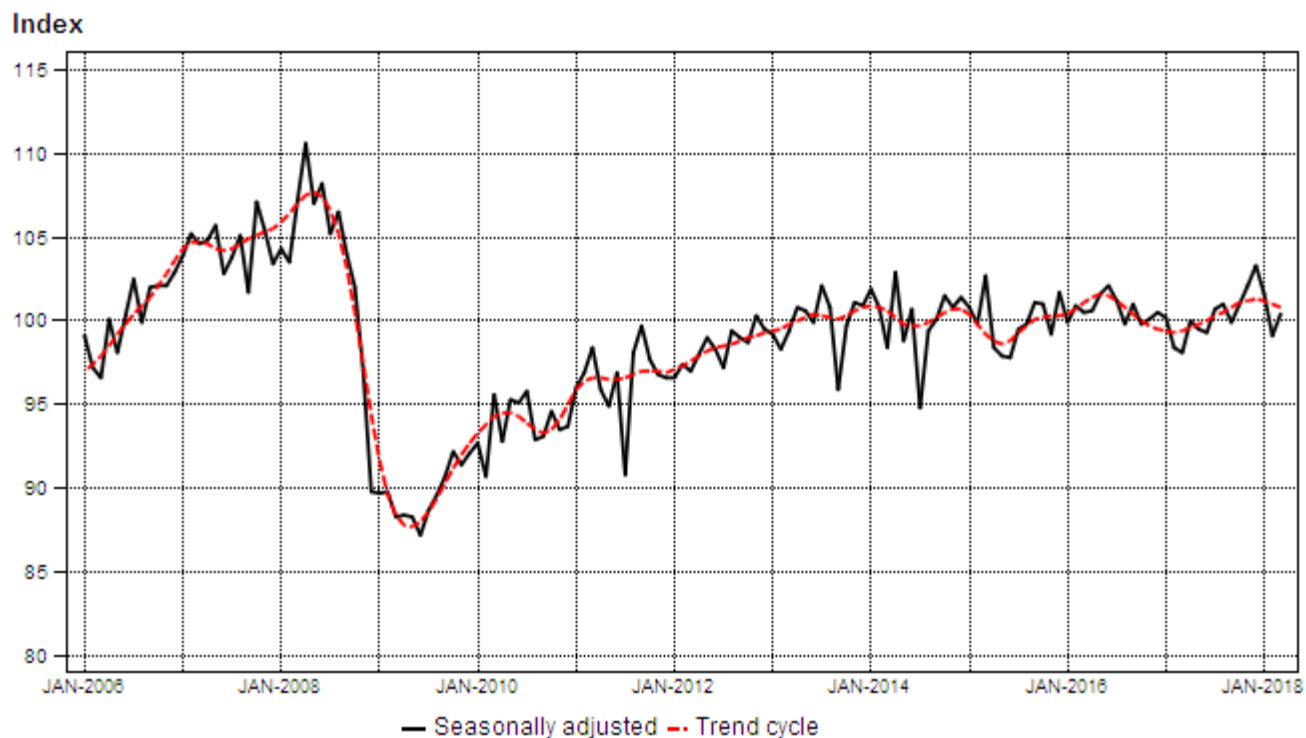
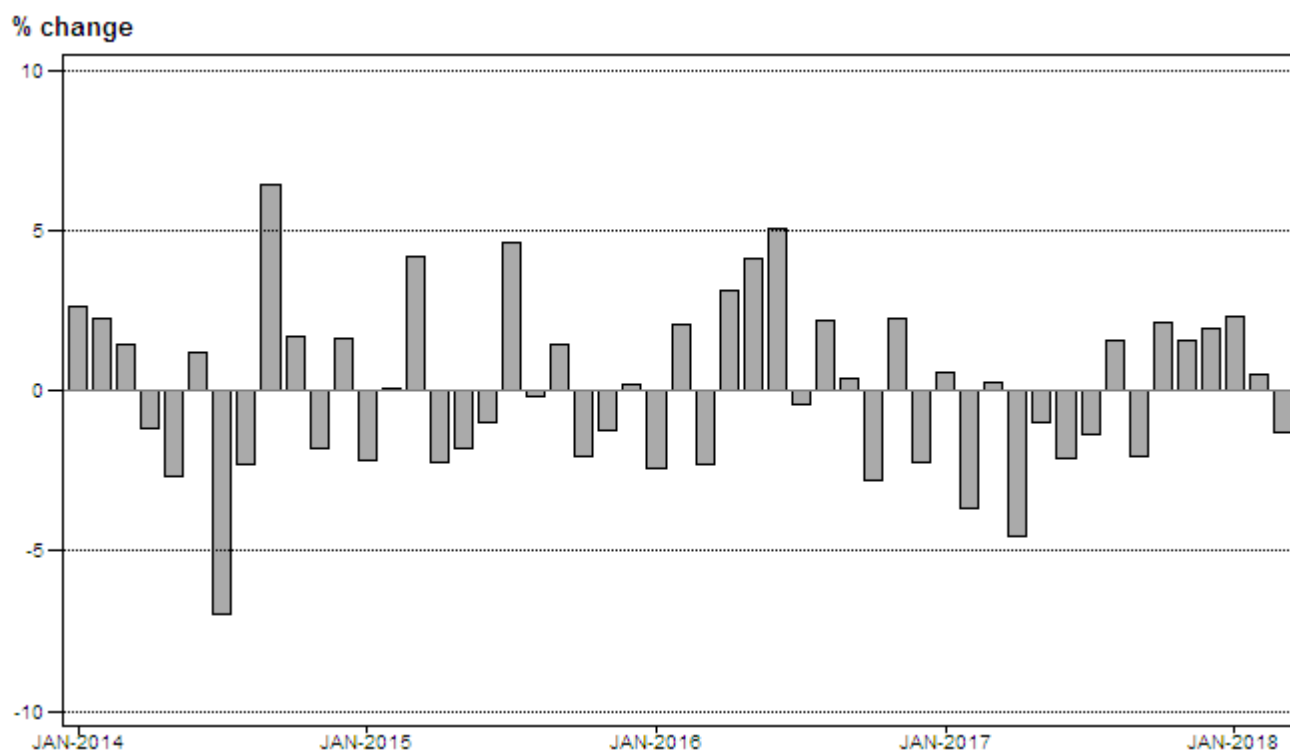
Seasonally adjusted manufacturing production increased by 1,3% in March 2018 compared with February 2018. This followed month-on-month changes of -2,5% in February 2018 and -1,6% in January 2018 – see Table A.

Seasonally adjusted manufacturing production decreased by 1,7% in the first quarter of 2018 compared with the fourth quarter of 2017. Six of the ten manufacturing divisions reported negative growth rates over this period.

The largest contribution to the 1,7% decrease in the first quarter of 2018 was made by the petroleum, chemicals, rubber and plastic products division (-8,3% and contributing -2,0 percentage points) – 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	Oct – Dec 2017	Jan – Mar 2018	% change between Oct – Dec 2017 and Jan – Mar 2018	Contribution (% points) to the total % change
Food and beverages	25,15	102,9	105,3	2,3	0,6
Meat, fish, fruit, etc.	6,39	99,6	102,7	3,1	0,2
Dairy products	1,89	101,0	104,5	3,5	0,1
Grain mill products	2,86	97,0	100,2	3,3	0,1
Other food products	7,62	110,1	111,9	1,6	0,1
Beverages	6,39	100,9	102,6	1,7	0,1
Textiles, clothing, leather and footwear	3,28	94,8	91,7	-3,3	-0,1
Textiles	0,83	102,7	98,7	-3,9	0,0
Other textile products	0,41	102,1	98,8	-3,2	0,0
Knitted, crocheted articles	0,09	94,2	95,5	1,4	0,0
Wearing apparel	1,10	88,0	86,9	-1,3	0,0
Leather and leather products	0,49	90,5	82,5	-8,8	0,0
Footwear	0,36	95,1	93,9	-1,3	0,0
Wood and wood products, paper, publishing and printing	11,62	99,1	97,2	-1,9	-0,2
Sawmilling and planing of wood	1,71	111,2	109,2	-1,8	0,0
Products of wood	2,37	102,9	100,8	-2,0	0,0
Paper and paper products	4,33	98,3	96,9	-1,4	-0,1
Publishing	1,49	87,0	82,4	-5,3	-0,1
Printing, recorded media	1,72	94,6	94,0	-0,6	0,0
Petroleum, chemical products, rubber and plastic products	24,01	104,5	95,8	-8,3	-2,0
Coke, petroleum products and nuclear fuel	9,29	110,4	89,9	-18,6	-1,9
Basic chemicals	4,36	103,2	102,0	-1,2	-0,1
Other chemical products	6,16	99,5	97,0	-2,5	-0,2
Rubber products	1,34	97,4	97,6	0,2	0,0
Plastic products	2,86	102,0	101,9	-0,1	0,0
Glass and non-metallic mineral products	3,90	99,0	99,8	0,8	0,0
Glass and glass products	0,74	103,5	105,4	1,8	0,0
Non-metallic mineral products	3,16	97,9	98,4	0,5	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	103,8	101,6	-2,1	-0,4
Basic iron and steel products	3,44	118,6	113,7	-4,1	-0,2
Non-ferrous metal products	2,73	106,8	105,3	-1,4	0,0
Structural metal products	1,86	89,2	81,8	-8,3	-0,1
Other fabricated metal products	3,86	106,1	104,2	-1,8	-0,1
General purpose machinery	2,51	98,2	97,7	-0,5	0,0
Special purpose machinery	3,51	98,9	98,9	0,0	0,0
Household appliances	0,81	91,7	94,7	3,3	0,0
Electrical machinery	1,65	90,1	88,9	-1,3	0,0
Radio, television and communication apparatus and professional equipment	1,61	100,8	98,7	-2,1	0,0
Radio, television and communication	0,93	104,0	103,5	-0,5	0,0
Professional equipment	0,68	96,4	92,3	-4,3	0,0
Motor vehicles, parts and accessories and other transport equipment	6,86	100,4	106,4	6,0	0,4
Motor vehicles	2,43	95,3	97,0	1,8	0,0
Bodies for motor vehicles, trailers and semi-	0,46	109,0	114,2	4,8	0,0
Parts and accessories	2,76	108,8	117,7	8,2	0,2
Other transport equipment	1,21	88,3	96,5	9,3	0,1
Furniture and other manufacturing	3,20	101,2	103,2	2,0	0,1
Furniture	1,09	95,3	97,7	2,5	0,0
Other manufacturing groups	2,11	104,2	106,0	1,7	0,0
Total	100	102,1	100,4	-1,7	-1,7

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 March 2018**Table C – Key growth rates in manufacturing sales at current prices**

	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18
Year-on-year % change, unadjusted	7,4	9,2	6,4	5,0	6,8	2,2
Month-on-month % change, seasonally adjusted	0,8	5,0	-2,6	-1,4	0,8	1,3
3-month % change, seasonally adjusted ¹	1,4	2,8	3,4	3,1	0,2	-0,6

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

Seasonally adjusted manufacturing sales increased by 1,3% in March 2018 compared with February 2018. This followed month-on-month changes of 0,8% in February 2018 and -1,4% in January 2018 – see Table C.

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

Manufacturing division	Oct – Dec 2017 (R million)	Jan – Mar 2018 (R million)	% change between Oct – Dec 2017 and Jan – Mar 2018	Contribution (% points) to the total % change
Food and beverages	130 940	132 875	1,5	0,4
Textiles, clothing, leather and footwear	14 594	14 103	-3,4	-0,1
Wood and wood products, paper, publishing and printing	40 033	39 745	-0,7	-0,1
Petroleum, chemical products, rubber and plastic products	116 492	115 866	-0,5	-0,1
Glass and non-metallic mineral products	16 611	16 909	1,8	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	121 664	119 289	-2,0	-0,4
Electrical machinery	14 307	13 701	-4,2	-0,1
Radio, television and communication apparatus and professional equipment	6 534	6 558	0,4	0,0
Motor vehicles, parts and accessories and other transport equipment	76 274	74 876	-1,8	-0,2
Furniture and other manufacturing	20 911	21 116	1,0	0,0
Total	558 361	555 035	-0,6	-0,6

Risenga Maluleke
Statistician-General

Tables

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

Month	2012	2013	2014	2015	2016	2017	2018 ¹
Jan	83,4	86,6	88,9	87,0	84,9	85,4	87,4
Feb	95,9	93,4	95,5	95,6	97,6	94,0	94,5
Mar	99,7	98,2	99,6	103,8	101,4	101,7	100,4
Apr	89,3	95,6	94,5	92,4	95,3	91,0	
May	100,3	101,9	99,2	97,4	101,4	100,4	
Jun	98,4	98,6	99,8	98,8	103,8	101,6	
Jul	99,6	104,8	97,5	102,0	101,6	100,2	
Aug	103,2	103,8	101,4	101,2	103,4	105,0	
Sep	101,1	99,1	105,5	107,0	107,4	105,2	
Oct	109,5	111,3	113,2	110,9	107,8	110,1	
Nov	113,6	113,1	111,1	109,7	112,2	114,0	
Dec	89,3	92,4	93,9	94,1	92,0	93,8	
Total	98,6	99,9	100,0	100,0	100,7	100,2	

¹ The latest three months are preliminary.

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

Month	2013	2014	2015	2016	2017	2018	2018 year-to-date
Jan	3,8	2,7	-2,1	-2,4	0,6	2,3	2,3
Feb	-2,6	2,2	0,1	2,1	-3,7	0,5	1,4
Mar	-1,5	1,4	4,2	-2,3	0,3	-1,3	0,4
Apr	7,1	-1,2	-2,2	3,1	-4,5		
May	1,6	-2,6	-1,8	4,1	-1,0		
Jun	0,2	1,2	-1,0	5,1	-2,1		
Jul	5,2	-7,0	4,6	-0,4	-1,4		
Aug	0,6	-2,3	-0,2	2,2	1,5		
Sep	-2,0	6,5	1,4	0,4	-2,0		
Oct	1,6	1,7	-2,0	-2,8	2,1		
Nov	-0,4	-1,8	-1,3	2,3	1,6		
Dec	3,5	1,6	0,2	-2,2	2,0		
Total	1,3	0,1	0,0	0,7	-0,5		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2015=100)				Month-on-month % change			
	2015	2016	2017	2018	2015	2016	2017	2018
Jan	100,8	99,9	100,2	101,6	-0,6	-1,8	-0,3	-1,6
Feb	99,8	100,9	98,4	99,1	-1,0	1,0	-1,8	-2,5
Mar	102,7	100,5	98,1	100,4	2,9	-0,4	-0,3	1,3
Apr	98,4	100,6	100,0		-4,2	0,1	1,9	
May	97,9	101,6	99,5		-0,5	1,0	-0,5	
Jun	97,8	102,1	99,3		-0,1	0,5	-0,2	
Jul	99,5	101,2	100,7		1,7	-0,9	1,4	
Aug	99,8	99,8	101,0		0,3	-1,4	0,3	
Sep	101,1	101,0	99,9		1,3	1,2	-1,1	
Oct	101,0	99,8	101,0		-0,1	-1,2	1,1	
Nov	99,2	100,1	102,1		-1,8	0,3	1,1	
Dec	101,7	100,5	103,3		2,5	0,4	1,2	

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

Manufacturing division and major group	Weights	Oct-17	Nov-17	Dec-17	¹ Jan-18	¹ Feb-18	¹ Mar-18
Food and beverages	25,15	112,0	116,4	108,8	90,9	92,6	102,2
Meat, fish, fruit, etc.	6,39	100,7	110,2	107,3	93,0	93,8	101,4
Dairy products	1,89	112,5	112,7	105,9	100,4	97,2	108,2
Grain mill products	2,86	97,7	108,4	97,0	90,1	90,3	102,8
Other food products	7,62	126,1	121,7	97,8	87,6	90,7	97,3
Beverages	6,39	112,7	120,8	129,4	90,1	93,5	106,7
Textiles, clothing, leather and footwear	3,28	110,1	110,0	77,0	69,6	90,9	91,7
Textiles	0,83	122,5	113,3	64,7	75,5	105,3	106,5
Other textile products	0,41	114,6	116,3	80,2	72,1	101,1	102,8
Knitted, crocheted articles	0,09	101,2	108,2	64,5	72,4	97,0	102,7
Wearing apparel	1,10	104,4	109,3	80,6	55,8	81,6	83,7
Leather and leather products	0,49	101,4	92,3	86,0	81,5	83,2	75,6
Footwear	0,36	107,7	122,1	81,8	78,3	84,0	88,8
Wood and wood products, paper, publishing and printing	11,62	109,2	114,8	89,1	83,4	94,0	97,4
Sawmilling and planing of wood	1,71	131,4	111,5	83,6	97,5	101,5	117,9
Products of wood	2,37	118,5	121,9	80,0	76,7	98,6	109,0
Paper and paper products	4,33	97,1	108,3	99,2	90,3	96,1	93,1
Publishing	1,49	99,2	117,9	81,2	68,1	78,0	75,4
Printing, recorded media	1,72	113,6	121,9	88,3	74,7	88,5	91,3
Petroleum, chemical products, rubber and plastic products	24,01	111,0	112,0	100,4	95,0	89,0	92,7
Coke, petroleum products and nuclear fuel	9,29	108,3	109,4	113,4	105,3	82,4	81,9
Basic chemicals	4,36	116,6	117,0	98,1	97,0	91,1	97,6
Other chemical products	6,16	107,6	109,1	97,2	84,0	90,1	100,3
Rubber products	1,34	115,6	104,0	60,4	84,8	100,4	104,2
Plastic products	2,86	116,4	122,8	87,7	87,2	99,8	98,8
Glass and non-metallic mineral products	3,90	111,4	114,9	74,1	75,3	91,6	96,6
Glass and glass products	0,74	116,1	121,3	99,1	96,4	94,1	95,4
Non-metallic mineral products	3,16	110,3	113,4	68,2	70,3	91,0	96,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	110,4	112,4	87,2	86,7	100,1	109,1
Basic iron and steel products	3,44	123,6	119,6	100,4	119,9	109,1	120,5
Non-ferrous metal products	2,73	109,5	109,0	98,2	97,8	104,1	109,9
Structural metal products	1,86	94,0	116,1	64,7	57,9	88,3	86,6
Other fabricated metal products	3,86	114,7	117,3	80,0	86,1	100,6	111,9
General purpose machinery	2,51	109,6	110,4	87,9	72,8	95,3	99,7
Special purpose machinery	3,51	105,9	105,3	87,7	71,2	99,3	114,8
Household appliances	0,81	97,3	98,7	75,7	88,8	90,6	99,7
Electrical machinery	1,65	95,8	99,7	71,9	69,8	84,4	99,7
Radio, television and communication apparatus and professional equipment	1,61	105,6	118,8	108,0	76,0	95,9	99,3
Radio, television and communication apparatus	0,93	113,5	130,0	112,0	75,2	97,0	102,5
Professional equipment	0,68	94,8	103,7	102,5	77,2	94,3	95,0
Motor vehicles, parts and accessories and other transport equipment	6,86	101,8	114,3	67,3	80,6	104,8	117,0
Motor vehicles	2,43	97,5	112,8	53,3	61,9	100,4	100,9
Bodies for motor vehicles, trailers and semi-trailers	0,46	121,3	132,4	73,5	85,0	111,0	118,3
Parts and accessories	2,76	108,4	120,9	70,3	102,8	114,4	127,0
Other transport equipment	1,21	88,0	95,4	86,1	65,7	89,6	126,2
Furniture and other manufacturing	3,20	116,9	124,9	84,1	84,1	108,3	84,1
Furniture	1,09	117,0	127,9	84,7	62,3	94,6	84,4
Other manufacturing groups	2,11	116,8	123,4	83,8	95,3	115,4	84,0
Total	100	110,1	114,0	93,8	87,4	94,5	100,4

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

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	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18
Food and beverages	25,15	1,8	1,5	0,4	2,3	1,1	1,5
Meat, fish, fruit, etc.	6,39	0,0	0,5	0,2	0,7	0,1	0,0
Dairy products	1,89	0,1	0,1	0,0	0,2	0,2	0,1
Grain mill products	2,86	-0,1	0,0	0,0	0,1	0,2	0,1
Other food products	7,62	1,1	1,0	0,3	1,2	0,2	0,9
Beverages	6,39	0,7	0,0	-0,1	0,2	0,5	0,3
Textiles, clothing, leather and footwear	3,28	-0,1	-0,2	0,0	-0,1	-0,2	-0,3
Textiles	0,83	0,0	-0,1	0,0	-0,1	0,0	-0,1
Other textile products	0,41	0,0	0,0	0,0	0,0	0,0	0,0
Knitted, crocheted articles	0,09	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	1,10	-0,1	-0,1	0,0	0,0	-0,1	-0,2
Leather and leather products	0,49	0,0	0,0	0,1	0,0	0,0	-0,1
Footwear	0,36	0,0	0,0	0,0	0,0	-0,1	0,0
Wood and wood products, paper, publishing and printing	11,62	-0,3	-0,2	-0,7	-0,4	-0,4	-0,7
Sawmilling and planing of wood	1,71	0,2	0,0	-0,2	0,1	-0,1	0,0
Products of wood	2,37	-0,1	-0,1	0,0	0,0	0,0	0,2
Paper and paper products	4,33	-0,1	0,1	0,0	-0,1	0,0	-0,6
Publishing	1,49	-0,2	0,0	-0,3	-0,3	-0,2	-0,2
Printing, recorded media	1,72	-0,2	-0,1	-0,2	-0,2	-0,2	0,0
Petroleum, chemical products, rubber and plastic products	24,01	-0,2	-0,1	0,8	-0,8	-0,9	-1,5
Coke, petroleum products and nuclear fuel	9,29	0,2	0,1	0,7	-0,5	-0,8	-1,4
Basic chemicals	4,36	-0,1	0,3	0,2	0,0	0,1	0,2
Other chemical products	6,16	-0,4	-0,5	0,0	-0,5	-0,4	-0,3
Rubber products	1,34	0,1	-0,1	-0,1	0,0	-0,1	-0,2
Plastic products	2,86	0,1	0,1	0,1	0,2	0,3	0,1
Glass and non-metallic mineral products	3,90	0,1	-0,1	0,3	0,2	0,4	-0,3
Glass and glass products	0,74	0,0	0,0	0,1	0,1	0,1	0,0
Non-metallic mineral products	3,16	0,1	-0,1	0,3	0,1	0,3	-0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	0,9	0,5	0,7	0,7	0,0	-0,3
Basic iron and steel products	3,44	0,5	0,3	0,4	0,5	0,0	0,0
Non-ferrous metal products	2,73	0,1	0,0	0,1	0,0	0,1	0,0
Structural metal products	1,86	-0,1	0,1	-0,1	-0,2	-0,1	-0,2
Other fabricated metal products	3,86	0,0	-0,2	0,3	0,3	0,0	0,1
General purpose machinery	2,51	0,1	0,1	0,1	-0,2	0,0	0,0
Special purpose machinery	3,51	0,3	0,2	-0,2	0,1	0,1	-0,3
Household appliances	0,81	0,0	0,0	0,0	0,1	0,0	0,0
Electrical machinery	1,65	0,0	-0,1	-0,1	0,0	-0,1	-0,1
Radio, television and communication apparatus and professional equipment	1,61	-0,2	-0,2	0,1	0,0	-0,1	-0,2
Radio, television and communication apparatus	0,93	-0,1	-0,1	0,0	0,0	0,0	-0,1
Professional equipment	0,68	-0,1	-0,1	0,0	0,0	-0,1	-0,1
Motor vehicles, parts and accessories and other transport equipment	6,86	0,2	0,4	0,4	0,3	0,5	0,5
Motor vehicles	2,43	-0,1	0,0	0,1	-0,2	0,1	0,0
Bodies for motor vehicles, trailers and semi-trailers	0,46	0,1	0,0	0,0	0,1	0,0	0,0
Parts and accessories	2,76	0,1	0,3	0,5	0,3	0,3	0,4
Other transport equipment	1,21	0,1	0,0	-0,2	0,0	0,0	0,0
Furniture and other manufacturing	3,20	0,0	0,1	0,1	0,1	0,3	0,1
Furniture	1,09	0,0	0,0	0,0	0,0	0,0	-0,1
Other manufacturing groups	2,11	0,0	0,1	0,0	0,1	0,3	0,2
Total	100	2,1	1,6	2,0	2,3	0,5	-1,3

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	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Month-on-month % change
Food and beverages	25,15	103,9	102,1	105,9	104,1	105,9	1,7
Meat, fish, fruit, etc.	6,39	100,8	100,8	104,8	101,8	101,4	-0,4
Dairy products	1,89	104,3	96,2	103,3	106,6	103,7	-2,7
Grain mill products	2,86	98,1	97,8	97,5	100,0	103,0	3,0
Other food products	7,62	111,8	107,0	115,3	107,7	112,7	4,6
Beverages	6,39	100,1	101,1	100,2	103,3	104,4	1,1
Textiles, clothing, leather and footwear	3,28	92,1	98,6	94,0	89,9	91,2	1,4
Textiles	0,83	99,6	100,4	97,5	96,8	101,7	5,1
Other textile products	0,41	101,0	105,2	95,5	98,4	102,4	4,1
Knitted, crocheted articles	0,09	95,6	97,2	96,2	96,2	94,2	-2,1
Wearing apparel	1,10	84,6	95,4	89,9	85,3	85,5	0,2
Leather and leather products	0,49	85,8	94,6	86,9	82,6	78,0	-5,6
Footwear	0,36	95,5	102,3	105,8	87,3	88,7	1,6
Wood and wood products, paper, publishing and printing	11,62	99,9	97,9	96,7	97,9	97,0	-0,9
Sawmilling and planing of wood	1,71	108,4	104,8	112,3	103,7	111,5	7,5
Products of wood	2,37	102,4	103,8	95,7	102,0	104,7	2,6
Paper and paper products	4,33	99,6	99,1	97,7	100,5	92,4	-8,1
Publishing	1,49	93,7	80,9	81,9	83,8	81,4	-2,9
Printing, recorded media	1,72	94,1	94,4	92,9	92,4	96,8	4,8
Petroleum, chemical products, rubber and plastic products	24,01	103,5	107,1	101,9	91,9	93,5	1,7
Coke, petroleum products and nuclear fuel	9,29	109,4	113,4	105,3	82,4	81,9	-0,6
Basic chemicals	4,36	104,0	104,1	103,8	100,9	101,3	0,4
Other chemical products	6,16	97,5	103,9	96,7	94,0	100,4	6,8
Rubber products	1,34	94,2	94,7	96,5	96,1	100,1	4,2
Plastic products	2,86	101,2	104,1	101,6	102,5	101,7	-0,8
Glass and non-metallic mineral products	3,90	98,4	100,9	97,8	101,2	100,3	-0,9
Glass and glass products	0,74	103,5	105,8	108,0	103,7	104,4	0,7
Non-metallic mineral products	3,16	97,2	99,8	95,4	100,6	99,3	-1,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	103,4	104,8	102,0	100,8	102,1	1,3
Basic iron and steel products	3,44	119,3	116,0	118,7	109,8	112,7	2,6
Non-ferrous metal products	2,73	106,7	107,7	103,3	107,4	105,3	-2,0
Structural metal products	1,86	96,0	86,1	77,3	83,7	84,5	1,0
Other fabricated metal products	3,86	102,5	113,4	106,8	99,8	106,1	6,3
General purpose machinery	2,51	96,6	100,1	94,2	98,7	100,3	1,6
Special purpose machinery	3,51	98,5	97,1	98,9	100,7	97,1	-3,6
Household appliances	0,81	87,8	98,3	99,0	90,5	94,6	4,5
Electrical machinery	1,65	89,6	90,1	89,9	86,8	90,0	3,7
Radio, television and communication apparatus and professional equipment	1,61	98,4	109,7	100,5	98,7	97,0	-1,7
Radio, television and communication apparatus	0,93	102,9	111,4	101,5	102,5	106,5	3,9
Professional equipment	0,68	92,2	107,4	99,2	93,6	84,1	-10,1
Motor vehicles, parts and accessories and other transport equipment	6,86	102,0	104,6	99,7	106,4	113,0	6,2
Motor vehicles	2,43	96,5	102,2	88,5	101,0	101,4	0,4
Bodies for motor vehicles, trailers and semi-trailers	0,46	109,5	108,8	113,4	110,8	118,3	6,8
Parts and accessories	2,76	108,8	116,1	111,0	114,7	127,3	11,0
Other transport equipment	1,21	94,7	81,9	91,4	96,5	101,5	5,2
Furniture and other manufacturing	3,20	102,0	103,5	103,7	105,0	100,9	-3,9
Furniture	1,09	94,9	98,8	97,1	100,2	95,7	-4,5
Other manufacturing groups	2,11	105,7	105,8	107,1	107,4	103,6	-3,5
Total	100	102,1	103,3	101,6	99,1	100,4	1,3

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

Month	2012	2013	2014	2015	2016	2017	2018 ¹
Jan	110 851	120 410	134 525	133 730	137 841	148 118	155 587
Feb	130 318	136 580	151 473	148 643	160 942	163 412	174 558
Mar	138 289	142 666	156 916	167 548	169 986	183 141	187 226
Apr	121 813	138 227	148 760	147 565	160 803	158 508	
May	135 205	146 358	153 484	158 509	173 551	179 622	
Jun	135 655	144 271	161 528	163 515	177 603	183 539	
Jul	132 495	151 553	151 058	164 049	171 324	175 257	
Aug	139 669	149 163	161 892	162 095	177 560	186 752	
Sep	136 810	145 373	168 492	172 905	184 969	188 992	
Oct	149 849	162 067	181 689	179 213	184 382	198 023	
Nov	158 942	168 049	176 621	180 154	196 523	214 658	
Dec	127 874	145 135	153 198	156 484	163 764	174 285	
Total	1 617 770	1 749 852	1 899 636	1 934 410	2 059 248	2 154 307	

¹ The latest three months are preliminary.

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

Month	2013	2014	2015	2016	2017	2018	2018 year-to-date
Jan	8,6	11,7	-0,6	3,1	7,5	5,0	5,0
Feb	4,8	10,9	-1,9	8,3	1,5	6,8	6,0
Mar	3,2	10,0	6,8	1,5	7,7	2,2	4,6
Apr	13,5	7,6	-0,8	9,0	-1,4		
May	8,2	4,9	3,3	9,5	3,5		
Jun	6,4	12,0	1,2	8,6	3,3		
Jul	14,4	-0,3	8,6	4,4	2,3		
Aug	6,8	8,5	0,1	9,5	5,2		
Sep	6,3	15,9	2,6	7,0	2,2		
Oct	8,2	12,1	-1,4	2,9	7,4		
Nov	5,7	5,1	2,0	9,1	9,2		
Dec	13,5	5,6	2,1	4,7	6,4		
Total	8,2	8,6	1,8	6,5	4,6		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2015	2016	2017	2018	2015	2016	2017	2018
Jan	158 201	165 535	175 695	183 234	-1,6	1,6	1,9	-1,4
Feb	155 991	168 516	172 917	184 724	-1,4	1,8	-1,6	0,8
Mar	162 959	168 434	174 422	187 077	4,5	0,0	0,9	1,3
Apr	158 772	169 173	175 882		-2,6	0,4	0,8	
May	160 124	174 190	178 340		0,9	3,0	1,4	
Jun	159 739	173 811	178 148		-0,2	-0,2	-0,1	
Jul	162 318	173 340	178 886		1,6	-0,3	0,4	
Aug	161 289	171 988	180 868		-0,6	-0,8	1,1	
Sep	164 049	173 910	180 239		1,7	1,1	-0,3	
Oct	163 489	171 123	181 711		-0,3	-1,6	0,8	
Nov	161 170	173 953	190 809		-1,4	1,7	5,0	
Dec	162 907	172 494	185 841		1,1	-0,8	-2,6	

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

Manufacturing division and major group	Oct-17	Nov-17	Dec-17	¹ Jan-18	¹ Feb-18	¹ Mar-18
Food and beverages	46 561	50 464	48 974	38 549	39 693	44 297
Meat, fish, fruit, etc.	12 777	14 089	13 609	11 253	11 343	12 373
Dairy products	3 935	3 974	3 763	3 565	3 465	3 861
Grain mill products	6 014	6 485	5 809	5 209	5 140	6 042
Other food products	11 052	11 907	9 505	8 755	8 750	9 299
Beverages	12 784	14 009	16 287	9 767	10 994	12 721
Textiles, clothing, leather and footwear	5 519	5 917	4 155	3 506	4 447	4 659
Textiles	834	809	429	501	651	662
Other textile products	1 397	1 434	1 057	880	1 224	1 254
Knitted, crocheted articles	246	264	168	166	227	253
Wearing apparel	1 799	2 027	1 450	982	1 360	1 518
Leather and leather products	682	675	565	561	556	524
Footwear	560	708	486	417	429	448
Wood and wood products, paper, publishing and printing	14 315	15 923	12 517	11 148	12 781	13 152
Sawmilling and planing of wood	1 224	1 007	755	848	928	1 042
Products of wood	2 084	2 151	1 368	1 299	1 640	1 890
Paper and paper products	6 293	7 336	6 577	5 876	6 440	6 383
Publishing	1 720	2 117	1 427	1 217	1 396	1 321
Printing, recorded media	2 994	3 312	2 390	1 908	2 377	2 516
Petroleum, chemical products, rubber and plastic products	41 754	43 709	38 402	35 261	34 557	37 361
Coke, petroleum products and nuclear fuel	13 037	13 614	13 743	12 886	10 518	11 336
Basic chemicals	8 991	9 419	7 862	7 303	7 110	7 945
Other chemical products	11 874	12 343	10 982	9 375	10 259	11 298
Rubber products	1 553	1 583	1 079	1 125	1 378	1 515
Plastic products	6 299	6 750	4 735	4 573	5 292	5 266
Glass and non-metallic mineral products	6 378	6 628	4 088	4 057	5 238	5 528
Glass and glass products	1 280	1 316	947	870	868	893
Non-metallic mineral products	5 098	5 312	3 141	3 187	4 370	4 635
Basic iron and steel, non-ferrous metal products, metal products and machinery	42 343	46 033	33 569	34 303	39 475	41 193
Basic iron and steel products	12 461	14 197	8 543	11 679	11 728	11 822
Non-ferrous metal products	10 103	10 963	9 490	8 871	9 738	9 538
Structural metal products	3 011	3 637	2 100	1 833	2 884	2 803
Other fabricated metal products	7 128	7 662	5 257	5 318	6 397	7 074
General purpose machinery	3 567	3 603	3 082	2 359	3 215	3 412
Special purpose machinery	4 824	4 723	4 133	3 230	4 377	5 301
Household appliances	1 248	1 247	964	1 012	1 136	1 243
Electrical machinery	4 838	5 303	3 948	3 615	4 592	5 086
Radio, television and communication apparatus and professional equipment	2 302	2 595	2 390	1 640	2 104	2 208
Radio, television and communication apparatus	1 475	1 749	1 453	990	1 272	1 363
Professional equipment	827	846	937	650	832	845
Motor vehicles, parts and accessories and other transport equipment	26 442	29 953	19 525	18 232	24 658	27 182
Motor vehicles	14 993	17 027	11 189	9 121	13 190	14 137
Bodies for motor vehicles, trailers and semi-trailers	1 210	1 305	799	812	1 030	1 191
Parts and accessories	7 562	8 701	4 890	6 273	7 682	7 982
Other transport equipment	2 677	2 919	2 647	2 026	2 756	3 873
Furniture and other manufacturing	7 573	8 133	6 717	5 275	7 014	6 558
Furniture	1 689	1 828	1 256	866	1 297	1 173
Other manufacturing groups	5 884	6 306	5 462	4 410	5 717	5 385
Total	198 023	214 658	174 285	155 587	174 558	187 226

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	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18
Food and beverages	6,1	5,4	0,0	6,1	3,8	4,7
Meat, fish, fruit, etc.	4,8	9,7	1,8	11,2	3,3	0,1
Dairy products	8,9	11,6	3,2	11,6	12,0	7,0
Grain mill products	-15,7	-14,2	-13,9	-10,9	-9,6	-8,9
Other food products	10,7	13,4	3,6	6,3	-1,3	13,2
Beverages	16,5	4,5	1,4	9,5	14,2	10,9
Textiles, clothing, leather and footwear	2,5	2,7	3,7	0,8	0,9	-6,9
Textiles	4,5	-0,4	-6,7	-6,2	-5,2	-12,0
Other textile products	8,1	4,2	11,4	-1,0	6,6	1,5
Knitted, crocheted articles	2,5	9,1	0,6	-1,8	1,8	-1,2
Wearing apparel	-4,9	-2,6	-1,6	2,7	-2,4	-10,9
Leather and leather products	12,9	15,2	18,9	9,8	-0,9	-10,6
Footwear	0,4	6,5	0,4	-0,5	7,8	-5,1
Wood and wood products, paper, publishing and printing	1,4	6,8	-0,9	1,9	2,9	-2,1
Sawmilling and planing of wood	11,3	8,4	-13,4	4,4	1,2	-4,1
Products of wood	-1,8	4,8	-0,1	0,9	2,0	7,4
Paper and paper products	4,2	11,5	8,4	8,5	7,7	-4,6
Publishing	-5,0	6,1	-10,8	-11,6	-7,9	-9,5
Printing, recorded media	-1,6	-1,1	-12,0	-6,7	-1,3	3,5
Petroleum, chemical products, rubber and plastic products	5,1	4,5	10,5	1,5	3,4	2,6
Coke, petroleum products and nuclear fuel	12,7	9,0	16,4	-0,8	2,5	8,1
Basic chemicals	-2,9	1,0	7,3	-2,1	0,2	-0,5
Other chemical products	5,3	4,0	13,2	4,8	8,0	1,6
Rubber products	6,7	2,7	-2,4	3,6	-7,6	-3,6
Plastic products	1,8	2,1	-1,3	7,4	4,5	0,3
Glass and non-metallic mineral products	9,9	7,9	8,5	10,3	17,4	-0,6
Glass and glass products	21,6	14,3	14,5	18,7	27,3	16,3
Non-metallic mineral products	7,3	6,4	6,8	8,2	15,6	-3,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	14,2	16,9	8,1	6,5	10,8	0,8
Basic iron and steel products	25,6	37,6	8,6	5,1	14,0	-1,9
Non-ferrous metal products	23,2	24,2	19,1	11,3	23,8	8,7
Structural metal products	1,2	8,6	-0,1	-8,1	-5,4	-8,3
Other fabricated metal products	4,9	2,0	16,0	14,3	8,1	7,6
General purpose machinery	2,6	0,5	2,6	-7,8	2,4	1,5
Special purpose machinery	7,8	6,1	-11,4	8,7	2,7	-8,8
Household appliances	1,2	-5,8	4,3	7,8	3,5	0,7
Electrical machinery	-0,6	-4,3	-6,2	3,8	-0,8	-0,9
Radio, television and communication apparatus and professional equipment	-12,3	-6,1	5,4	4,3	-1,4	-8,9
Radio, television and communication apparatus	-12,9	0,9	3,7	5,9	-0,9	-8,8
Professional equipment	-11,4	-17,9	8,2	2,0	-2,1	-8,8
Motor vehicles, parts and accessories and other transport equipment	8,9	18,0	21,8	6,4	12,5	4,3
Motor vehicles	5,9	19,0	35,3	-1,6	12,7	1,6
Bodies for motor vehicles, trailers and semi-trailers	14,8	12,9	9,2	28,5	3,8	4,4
Parts and accessories	12,8	21,2	20,1	15,8	15,3	9,0
Other transport equipment	13,6	6,6	-10,6	11,3	7,9	5,4
Furniture and other manufacturing	14,8	17,0	11,1	15,6	13,8	10,3
Furniture	2,4	2,8	9,7	5,2	3,3	-10,9
Other manufacturing groups	18,9	21,9	11,5	17,9	16,5	16,3
Total	7,4	9,2	6,4	5,0	6,8	2,2

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

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

Manufacturing division and major group	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Month-on-month % change
Food and beverages	44 955	42 496	44 307	43 525	45 043	3,5
Meat, fish, fruit, etc.	12 925	12 276	13 153	12 686	12 508	-1,4
Dairy products	3 742	3 427	3 731	3 778	3 714	-1,7
Grain mill products	5 953	5 853	5 702	5 788	5 998	3,6
Other food products	10 513	9 407	10 020	9 386	10 649	13,5
Beverages	11 822	11 533	11 702	11 888	12 175	2,4
Textiles, clothing, leather and footwear	4 865	4 921	4 760	4 715	4 628	-1,8
Textiles	693	652	650	658	649	-1,4
Other textile products	1 249	1 319	1 178	1 233	1 210	-1,9
Knitted, crocheted articles	232	233	233	227	228	0,4
Wearing apparel	1 566	1 569	1 575	1 549	1 527	-1,4
Leather and leather products	623	647	603	546	546	0,0
Footwear	502	502	521	502	467	-7,0
Wood and wood products, paper, publishing and printing	13 664	13 211	13 213	13 407	13 125	-2,1
Sawmilling and planing of wood	1 013	870	1 029	972	1 053	8,3
Products of wood	1 791	1 749	1 689	1 725	1 811	5,0
Paper and paper products	6 695	6 567	6 630	6 719	6 242	-7,1
Publishing	1 657	1 414	1 447	1 474	1 453	-1,4
Printing, recorded media	2 508	2 610	2 418	2 517	2 566	1,9
Petroleum, chemical products, rubber and plastic products	38 407	40 358	38 538	38 276	39 052	2,0
Coke, petroleum products and nuclear fuel	12 789	13 131	12 804	12 405	12 269	-1,1
Basic chemicals	7 941	8 709	7 846	8 002	8 467	5,8
Other chemical products	10 831	11 633	11 049	11 073	11 348	2,5
Rubber products	1 392	1 419	1 415	1 338	1 467	9,6
Plastic products	5 453	5 466	5 423	5 459	5 500	0,8
Glass and non-metallic mineral products	5 539	5 562	5 466	5 712	5 731	0,3
Glass and glass products	1 011	1 024	1 041	1 012	1 052	4,0
Non-metallic mineral products	4 528	4 538	4 424	4 700	4 679	-0,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	42 350	39 766	39 554	39 904	39 831	-0,2
Basic iron and steel products	13 614	11 039	11 784	11 751	11 528	-1,9
Non-ferrous metal products	10 469	9 753	9 611	9 863	9 618	-2,5
Structural metal products	3 024	2 757	2 510	2 688	2 749	2,3
Other fabricated metal products	6 555	7 193	6 807	6 636	6 966	5,0
General purpose machinery	3 244	3 319	3 120	3 318	3 360	1,3
Special purpose machinery	4 378	4 489	4 540	4 520	4 452	-1,5
Household appliances	1 066	1 216	1 182	1 129	1 158	2,6
Electrical machinery	4 674	4 942	4 661	4 545	4 495	-1,1
Radio, television and communication apparatus and professional equipment	2 110	2 350	2 198	2 197	2 163	-1,5
Radio, television and communication apparatus	1 345	1 408	1 357	1 364	1 386	1,6
Professional equipment	764	942	842	833	777	-6,7
Motor vehicles, parts and accessories and other transport equipment	27 179	25 178	23 481	25 414	25 981	2,2
Motor vehicles	15 370	13 732	12 383	13 820	13 877	0,4
Bodies for motor vehicles, trailers and semi-trailers	1 056	1 126	1 179	1 044	1 194	14,4
Parts and accessories	7 880	7 720	7 215	7 586	7 733	1,9
Other transport equipment	2 873	2 600	2 703	2 964	3 177	7,2
Furniture and other manufacturing	7 065	7 057	7 057	7 031	7 028	0,0
Furniture	1 363	1 434	1 357	1 394	1 359	-2,5
Other manufacturing groups	5 703	5 623	5 700	5 637	5 668	0,5
Total	190 809	185 841	183 234	184 724	187 077	1,3

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 March 2018 was 87,0%. The improved collection rate for February 2018 was 89,0%.
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 3 192 enterprises from a population of 47 438 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 2017 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	1 913 350	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 2018	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 E – Weights by division and major group

Manufacturing division and major group	Weights used for manufacturing indices by period		
	2013 (based on value added for 2013)	2014 (based on value added for 2013 – 2014)	2015 – 2018 (based on value added for 2013 – 2015)
Food and beverages	24,53	24,72	25,15
Meat, fish, fruit, etc.	5,99	6,26	6,39
Dairy products	1,81	1,84	1,89
Grain mill products	2,61	2,75	2,86
Other food products	7,78	7,61	7,62
Beverages	6,34	6,26	6,39
Textiles, clothing, leather and footwear	3,34	3,33	3,28
Textiles	0,89	0,86	0,83
Other textile products	0,36	0,40	0,41
Knitted, crocheted articles	0,09	0,09	0,09
Wearing apparel	1,13	1,12	1,10
Leather and leather products	0,50	0,50	0,49
Footwear	0,37	0,36	0,36
Wood and wood products, paper, publishing and printing	12,62	11,73	11,62
Sawmilling and planing of wood	1,81	1,70	1,71
Products of wood	2,47	2,29	2,37
Paper and paper products	4,96	4,44	4,33
Publishing	1,55	1,52	1,49
Printing, recorded media	1,83	1,78	1,72
Petroleum, chemical products, rubber and plastic products	23,58	24,04	24,01
Coke, petroleum products and nuclear fuel	9,01	9,34	9,29
Basic chemicals	4,08	4,26	4,36
Other chemical products	6,21	6,11	6,16
Rubber products	1,35	1,37	1,34
Plastic products	2,93	2,96	2,86
Glass and non-metallic mineral products	4,15	4,14	3,90
Glass and glass products	0,83	0,78	0,74
Non-metallic mineral products	3,32	3,36	3,16
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,77	18,69	18,72
Basic iron and steel products	3,27	3,27	3,44
Non-ferrous metal products (including precious metals)	3,11	2,93	2,73
Structural metal products	1,83	1,83	1,86
Other fabricated metal products	3,92	3,86	3,86
General purpose machinery	2,37	2,46	2,51
Special purpose machinery	3,44	3,52	3,51
Household appliances	0,83	0,82	0,81
Electrical machinery	1,67	1,65	1,65
Radio, television and communication apparatus and professional equipment	1,55	1,63	1,61
Radio, television and communication apparatus	0,90	0,96	0,93
Professional equipment	0,65	0,67	0,68
Motor vehicles, parts and accessories and other transport equipment	6,85	6,91	6,86
Motor vehicles	2,47	2,44	2,43
Bodies for motor vehicles, trailers and semi-trailers	0,44	0,49	0,46
Parts and accessories	2,78	2,78	2,76
Other transport equipment	1,16	1,20	1,21
Furniture and other manufacturing	2,94	3,16	3,20
Furniture	1,06	1,07	1,09
Other manufacturing groups	1,88	2,09	2,11
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 *System of National Accounts* (SNA) in the same way as in the *Standard Industrial Classification of all Economic Activities* (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

Technical enquiries

Nicolai Claassen Telephone number: (012) 310 8007
Email: nicolaic@statssa.gov.za

Gerda Bruwer Telephone number: (012) 310 8249
Email: gerdab@statssa.gov.za

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General enquiries

User information services Telephone number: (012) 310 8600
Email address: info@statssa.gov.za

Postal address Private Bag X44, Pretoria, 0001

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