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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

Contents

Production: results for January 2018	2
Table A – Key growth rates in the volume of manufacturing production	2
Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2015=100)	3
Figure 1 – Volume of manufacturing production (Base: 2015=100)	4
Figure 2 – Volume of manufacturing production (Base: 2015=100): year-on-year percentage change	4
Sales: results for January 2018	5
Table C – Key growth rates in manufacturing sales at current prices	5
Table D – Seasonally adjusted manufacturing sales at current prices for the latest three months by division	5
Tables	6
Table 1 – Index of the volume of manufacturing production (Base: 2015=100)	6
Table 2 – Year-on-year percentage change in the volume of manufacturing production	6
Table 3 – Seasonally adjusted volume of manufacturing production	6
Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2015=100)	7
Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2015=100)	8
Table 6 – Contribution of each division and major group to the year-on-year percentage change in the volume of manufacturing production (percentage points)	9
Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2015=100)	10
Table 8 – Manufacturing sales at current prices (R million)	11
Table 9 – Year-on-year percentage change in manufacturing sales at current prices	11
Table 10 – Seasonally adjusted manufacturing sales at current prices	11
Table 11 – Manufacturing sales at current prices by division and major group (R million)	12
Table 12 – Year-on-year percentage change in manufacturing sales at current prices by division and major group	13
Table 13 – Contribution of each division and major group to the year-on-year percentage change in manufacturing sales at current prices (percentage points)	14
Table 14 – Seasonally adjusted manufacturing sales at current prices by division and major group (R million)	15
Survey information	16
Technical notes	17
Table E – Weights by division and major group	19
Glossary	21
Technical enquiries	21
General information	22

Production: results for January 2018

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

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

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

Manufacturing production increased by 2,5% in January 2018 compared with January 2017. The largest contributions were made by the following divisions:

- food and beverages (10,1% and contributing 2,5 percentage points);
- petroleum, chemical products, rubber and plastic products (-3,2% and contributing -0,9 of a percentage point);
- basic iron and steel, non-ferrous metal products, metal products and machinery (4,3% and contributing 0,8 of a percentage point);
- wood and wood products, paper, publishing and printing (-3,2% and contributing -0,4 of a percentage point); and
- motor vehicles, parts and accessories and other transport equipment (5,5% and contributing 0,3 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 1,6% in January 2018 compared with December 2017. This followed month-on-month changes of 1,1% in December 2017 and 1,2% in November 2017 – see Table A.

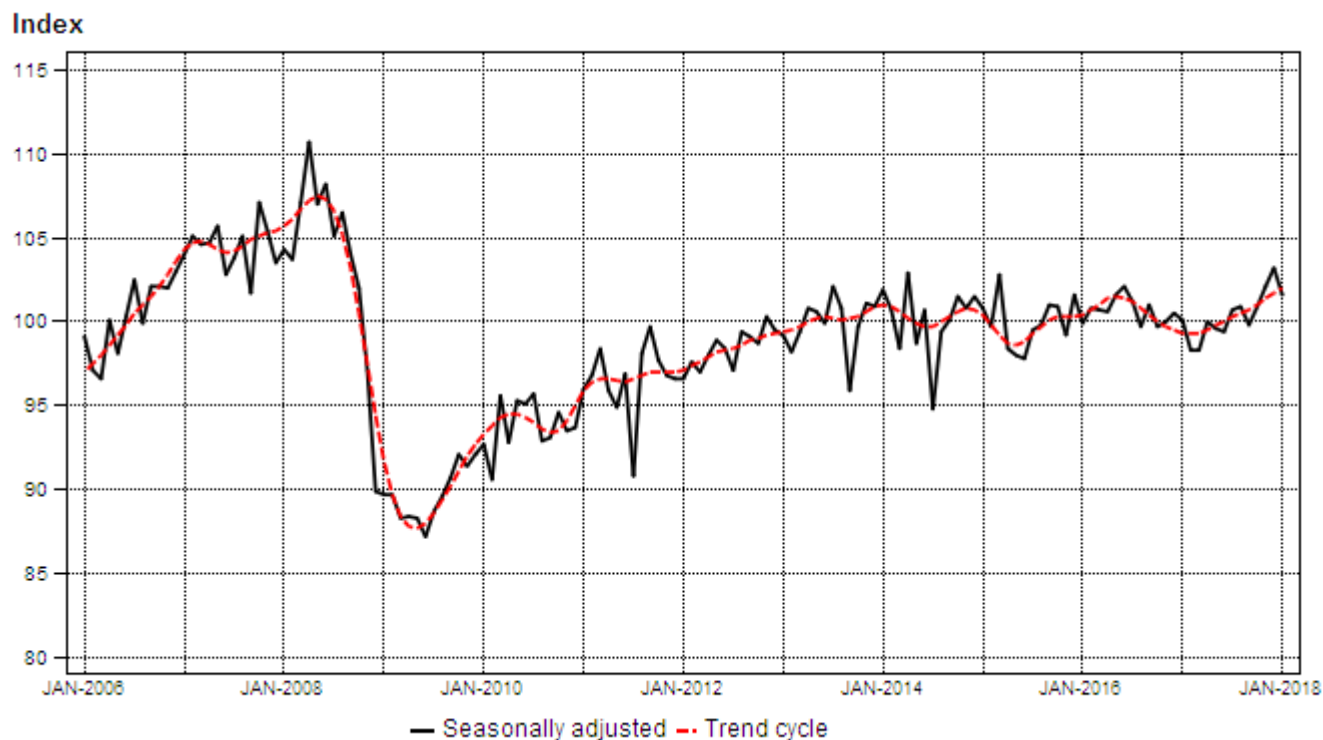
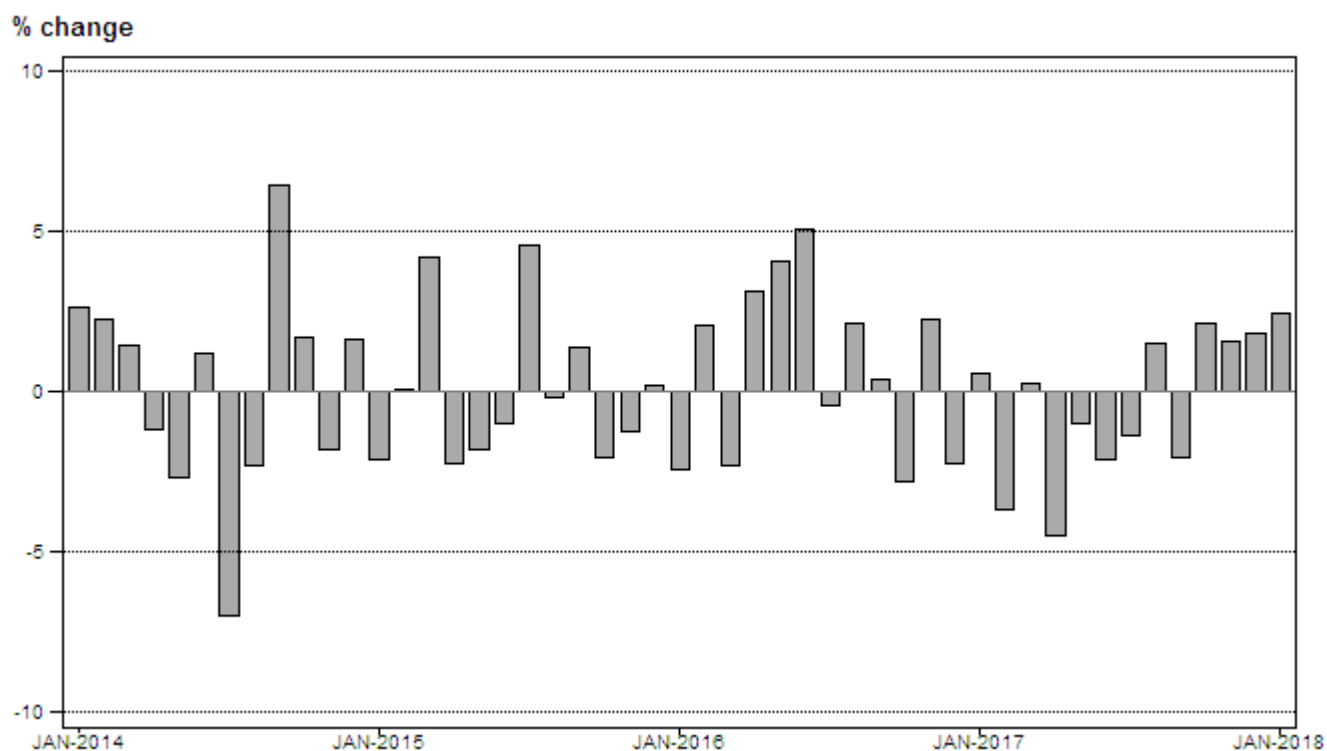
Seasonally adjusted manufacturing production increased by 1,8% in the three months ended January 2018 compared with the previous three months. Eight of the ten manufacturing divisions reported positive growth rates over this period.

The largest contributions to the 1,8% increase was made by the following divisions:

- petroleum, chemical products, rubber and plastic products (2,9% and contributing 0,7 of a percentage point); and
- food and beverages (1,5% and contributing 0,4 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	Aug – Oct 2017	Nov 2017 – Jan 2018	% change between Aug – Oct 2017 and Nov 2017 – Jan 2018	Contribution (% points) to the total % change
Food and beverages	25,15	102,1	103,6	1,5	0,4
Meat, fish, fruit, etc.	6,39	98,8	101,9	3,1	0,2
Dairy products	1,89	100,6	100,3	-0,3	0,0
Grain mill products	2,86	94,8	96,9	2,2	0,1
Other food products	7,62	109,1	111,1	1,8	0,2
Beverages	6,39	100,7	100,2	-0,5	0,0
Textiles, clothing, leather and footwear	3,28	93,9	95,2	1,4	0,0
Textiles	0,83	106,2	99,3	-6,5	-0,1
Other textile products	0,41	101,8	100,4	-1,4	0,0
Knitted, crocheted articles	0,09	96,0	96,7	0,7	0,0
Wearing apparel	1,10	86,3	90,5	4,9	0,0
Leather and leather products	0,49	88,6	90,5	2,1	0,0
Footwear	0,36	86,8	100,9	16,2	0,1
Wood and wood products, paper, publishing and printing	11,62	99,0	98,3	-0,7	-0,1
Sawmilling and planing of wood	1,71	114,3	108,3	-5,2	-0,1
Products of wood	2,37	101,8	100,6	-1,2	0,0
Paper and paper products	4,33	96,4	99,0	2,7	0,1
Publishing	1,49	89,6	86,4	-3,6	0,0
Printing, recorded media	1,72	94,9	93,7	-1,3	0,0
Petroleum, chemical products, rubber and plastic products	24,01	101,3	104,2	2,9	0,7
Coke, petroleum products and nuclear fuel	9,29	104,6	109,4	4,6	0,4
Basic chemicals	4,36	100,2	103,1	2,9	0,1
Other chemical products	6,16	98,2	100,0	1,8	0,1
Rubber products	1,34	100,5	94,8	-5,7	-0,1
Plastic products	2,86	99,1	102,5	3,4	0,1
Glass and non-metallic mineral products	3,90	96,1	98,7	2,7	0,1
Glass and glass products	0,74	102,2	106,1	3,8	0,0
Non-metallic mineral products	3,16	94,6	96,9	2,4	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	102,5	103,6	1,1	0,2
Basic iron and steel products	3,44	117,4	118,7	1,1	0,0
Non-ferrous metal products	2,73	106,5	106,0	-0,5	0,0
Structural metal products	1,86	87,9	86,4	-1,7	0,0
Other fabricated metal products	3,86	101,3	107,9	6,5	0,3
General purpose machinery	2,51	95,7	97,0	1,4	0,0
Special purpose machinery	3,51	101,6	98,1	-3,4	-0,1
Household appliances	0,81	90,6	95,2	5,1	0,0
Electrical machinery	1,65	91,2	90,9	-0,3	0,0
Radio, television and communication apparatus and professional equipment	1,61	99,6	103,4	3,8	0,1
Radio, television and communication	0,93	105,1	105,1	0,0	0,0
Professional equipment	0,68	92,1	101,1	9,8	0,1
Motor vehicles, parts and accessories and other transport equipment	6,86	99,2	101,5	2,3	0,2
Motor vehicles	2,43	92,6	95,3	2,9	0,1
Bodies for motor vehicles, trailers and semi-	0,46	109,2	112,2	2,7	0,0
Parts and accessories	2,76	106,1	111,2	4,8	0,1
Other transport equipment	1,21	93,3	87,7	-6,0	-0,1
Furniture and other manufacturing	3,20	97,6	103,6	6,1	0,2
Furniture	1,09	94,5	100,6	6,5	0,1
Other manufacturing groups	2,11	99,2	105,2	6,0	0,1
Total	100	100,5	102,3	1,8	1,8

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 January 2018

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

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

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

Seasonally adjusted manufacturing sales increased by 0,2% in January 2018 compared with December 2017. This followed month-on-month changes of -2,9% in December 2017 and 5,0% in November 2017 – see Table C.

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

Manufacturing division	Aug – Oct 2017 (R million)	Nov 2017 – Jan 2018 (R million)	% change between Aug – Oct 2017 and Nov 2017 – Jan 2018	Contribution (% points) to the total % change
Food and beverages	129 659	131 558	1,5	0,4
Textiles, clothing, leather and footwear	14 477	14 670	1,3	0,0
Wood and wood products, paper, publishing and printing	39 366	40 118	1,9	0,1
Petroleum, chemical products, rubber and plastic products	113 866	120 287	5,6	1,2
Glass and non-metallic mineral products	16 088	16 457	2,3	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	115 275	121 878	5,7	1,2
Electrical machinery	13 692	14 452	5,6	0,1
Radio, television and communication apparatus and professional equipment	6 347	6 714	5,8	0,1
Motor vehicles, parts and accessories and other transport equipment	74 896	75 701	1,1	0,2
Furniture and other manufacturing	19 803	21 226	7,2	0,3
Total	543 470	563 061	3,6	3,6

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	87,5
Feb	95,9	93,4	95,5	95,6	97,6	94,0	
Mar	99,7	98,2	99,6	103,8	101,4	101,7	
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	93,7	
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	2,5	2,5
Feb	-2,6	2,2	0,1	2,1	-3,7		
Mar	-1,5	1,4	4,2	-2,3	0,3		
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	1,8		
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	100,1	101,6	-0,7	-1,7	-0,4	-1,6
Feb	99,7	100,8	98,3		-1,1	0,9	-1,8	
Mar	102,8	100,7	98,3		3,1	-0,1	0,0	
Apr	98,4	100,6	100,0		-4,3	-0,1	1,7	
May	98,0	101,6	99,6		-0,4	1,0	-0,4	
Jun	97,8	102,1	99,4		-0,2	0,5	-0,2	
Jul	99,5	101,2	100,7		1,7	-0,9	1,3	
Aug	99,8	99,7	100,9		0,3	-1,5	0,2	
Sep	101,0	101,0	99,8		1,2	1,3	-1,1	
Oct	100,9	99,7	100,9		-0,1	-1,3	1,1	
Nov	99,2	100,0	102,1		-1,7	0,3	1,2	
Dec	101,6	100,5	103,2		2,4	0,5	1,1	

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

Manufacturing division and major group	Weights	Aug-17	Sep-17	Oct-17	¹ Nov-17	¹ Dec-17	¹ Jan-18
Food and beverages	25,15	107,0	107,4	112,0	116,4	108,7	91,4
Meat, fish, fruit, etc.	6,39	101,5	100,0	100,7	110,2	107,3	92,6
Dairy products	1,89	101,7	102,8	112,5	112,7	105,0	99,8
Grain mill products	2,86	98,6	93,7	97,7	108,4	96,9	89,0
Other food products	7,62	123,8	122,0	126,1	121,7	97,8	87,7
Beverages	6,39	97,9	105,0	112,7	120,8	129,4	93,2
Textiles, clothing, leather and footwear	3,28	96,5	99,6	110,1	110,0	77,0	69,7
Textiles	0,83	108,1	111,5	122,5	113,3	64,7	75,5
Other textile products	0,41	100,8	111,7	114,6	116,3	80,2	72,1
Knitted, crocheted articles	0,09	95,2	97,6	101,2	108,2	64,5	73,6
Wearing apparel	1,10	93,1	93,3	104,4	109,3	80,6	55,8
Leather and leather products	0,49	87,3	87,3	101,4	92,3	86,0	82,8
Footwear	0,36	88,5	95,4	107,7	122,1	81,8	77,1
Wood and wood products, paper, publishing and printing	11,62	102,3	106,5	109,2	114,8	89,1	83,5
Sawmilling and planing of wood	1,71	115,4	112,0	131,4	111,5	83,8	96,6
Products of wood	2,37	107,9	107,8	118,5	121,9	80,0	76,7
Paper and paper products	4,33	96,9	109,1	97,1	108,3	99,2	90,6
Publishing	1,49	99,3	98,7	99,2	117,9	81,2	68,7
Printing, recorded media	1,72	98,1	99,8	113,6	121,9	88,3	74,7
Petroleum, chemical products, rubber and plastic products	24,01	104,0	102,4	111,0	112,0	100,4	94,7
Coke, petroleum products and nuclear fuel	9,29	105,0	100,6	108,3	109,4	113,4	105,3
Basic chemicals	4,36	103,6	103,4	116,6	117,0	97,9	94,3
Other chemical products	6,16	104,0	104,4	107,6	109,1	97,2	84,8
Rubber products	1,34	104,6	97,4	115,6	104,0	60,4	84,8
Plastic products	2,86	101,4	105,1	116,4	122,8	87,8	87,1
Glass and non-metallic mineral products	3,90	104,9	103,3	111,4	114,9	73,9	74,5
Glass and glass products	0,74	109,9	113,3	116,1	121,3	99,1	96,4
Non-metallic mineral products	3,16	103,7	100,9	110,3	113,4	68,0	69,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	105,9	104,5	110,4	112,4	87,0	87,1
Basic iron and steel products	3,44	110,5	113,2	123,6	119,6	100,4	119,9
Non-ferrous metal products	2,73	111,3	104,7	109,5	109,0	98,2	97,8
Structural metal products	1,86	92,6	94,4	94,0	116,1	64,7	58,2
Other fabricated metal products	3,86	110,3	105,1	114,7	117,3	80,0	86,3
General purpose machinery	2,51	101,7	98,0	109,6	110,4	86,8	75,2
Special purpose machinery	3,51	106,3	106,9	105,9	105,3	87,6	70,8
Household appliances	0,81	89,3	97,2	97,3	98,7	75,7	88,8
Electrical machinery	1,65	94,1	97,0	95,8	99,7	72,1	71,3
Radio, television and communication apparatus and professional equipment	1,61	107,6	110,9	105,6	118,8	108,0	77,0
Radio, television and communication apparatus	0,93	122,4	120,0	113,5	130,0	112,0	74,3
Professional equipment	0,68	87,5	98,6	94,8	103,7	102,5	80,6
Motor vehicles, parts and accessories and other transport equipment	6,86	110,8	111,6	101,8	114,3	67,1	80,8
Motor vehicles	2,43	109,6	106,5	97,5	112,8	53,3	61,9
Bodies for motor vehicles, trailers and semi-trailers	0,46	115,7	112,8	121,3	132,4	74,8	90,1
Parts and accessories	2,76	118,4	112,3	108,4	120,9	69,5	102,8
Other transport equipment	1,21	94,0	119,6	88,0	95,4	86,1	65,0
Furniture and other manufacturing	3,20	102,5	103,2	116,9	124,9	84,1	82,6
Furniture	1,09	106,0	97,4	117,0	127,9	84,7	69,3
Other manufacturing groups	2,11	100,6	106,3	116,8	123,4	83,8	89,4
Total	100	105,0	105,2	110,1	114,0	93,7	87,5

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	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18
Food and beverages	2,0	1,3	7,6	6,3	1,2	10,1
Meat, fish, fruit, etc.	2,4	0,1	0,3	8,1	2,5	10,2
Dairy products	5,5	1,7	7,2	7,0	0,2	7,5
Grain mill products	-3,0	-7,8	-4,3	-0,9	-0,8	3,2
Other food products	2,7	9,5	14,3	13,1	4,0	17,9
Beverages	2,1	-3,8	11,5	0,2	-1,4	6,2
Textiles, clothing, leather and footwear	-3,0	-6,7	-3,0	-4,8	0,0	-3,6
Textiles	5,4	-4,0	1,7	-6,5	-6,2	-8,9
Other textile products	-2,6	-3,5	0,0	-1,4	7,4	-12,0
Knitted, crocheted articles	12,0	-0,1	-5,8	5,8	2,7	-5,3
Wearing apparel	-7,3	-8,5	-7,5	-5,4	-4,4	6,3
Leather and leather products	-1,6	-6,0	3,8	-4,6	12,4	-2,2
Footwear	-14,7	-13,0	-11,4	-5,0	2,4	-3,1
Wood and wood products, paper, publishing and printing	-1,4	-7,4	-2,7	-1,5	-5,7	-3,2
Sawmilling and planing of wood	5,6	-1,5	11,0	-0,4	-10,1	3,1
Products of wood	-0,2	-4,8	-2,8	-3,8	-1,0	1,6
Paper and paper products	-2,3	-9,5	-2,5	2,0	0,8	-0,9
Publishing	0,1	-8,7	-10,7	-1,3	-18,7	-18,3
Printing, recorded media	-8,9	-9,5	-9,3	-6,4	-12,1	-10,0
Petroleum, chemical products, rubber and plastic products	-0,9	-2,4	-0,7	-0,6	3,1	-3,2
Coke, petroleum products and nuclear fuel	1,4	3,0	2,1	0,9	6,4	-3,9
Basic chemicals	-0,5	-7,9	-1,9	6,7	3,3	-3,1
Other chemical products	-5,7	-5,7	-6,2	-8,2	0,0	-6,8
Rubber products	6,8	-3,1	5,1	-7,1	-10,8	-0,2
Plastic products	-0,5	-1,2	2,0	4,1	2,3	8,2
Glass and non-metallic mineral products	1,0	-5,9	3,6	-1,8	11,6	5,2
Glass and glass products	0,9	1,7	1,8	4,7	7,5	8,1
Non-metallic mineral products	1,0	-7,8	4,1	-3,3	13,1	4,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	9,5	1,7	4,8	2,5	3,8	4,3
Basic iron and steel products	24,4	12,1	13,6	8,9	12,3	12,0
Non-ferrous metal products	9,5	2,1	4,4	-0,5	2,1	1,2
Structural metal products	-1,2	-7,7	-6,7	7,9	-5,0	-12,9
Other fabricated metal products	2,4	-6,3	0,9	-5,3	11,6	10,1
General purpose machinery	1,8	-1,7	3,3	3,1	4,2	-5,6
Special purpose machinery	18,0	9,2	8,1	4,9	-5,3	2,8
Household appliances	3,0	-0,6	6,5	4,2	1,1	15,9
Electrical machinery	-0,2	-10,4	-2,0	-7,4	-8,4	4,1
Radio, television and communication apparatus and professional equipment	-5,9	-5,7	-12,9	-8,3	3,4	0,8
Radio, television and communication apparatus	4,4	1,1	-13,2	-4,9	1,8	-3,6
Professional equipment	-20,7	-15,1	-12,7	-13,7	5,8	6,8
Motor vehicles, parts and accessories and other transport equipment	0,6	-3,9	2,4	6,3	7,9	5,5
Motor vehicles	-3,6	0,0	-3,2	0,8	10,6	-7,9
Bodies for motor vehicles, trailers and semi-trailers	11,9	6,6	14,1	10,1	1,4	30,8
Parts and accessories	2,9	-5,0	3,2	12,8	25,9	11,1
Other transport equipment	-0,1	-10,9	7,8	1,0	-15,3	4,3
Furniture and other manufacturing	-5,0	-5,0	0,1	2,5	2,6	1,1
Furniture	2,3	-8,5	-3,2	-3,7	4,1	9,8
Other manufacturing groups	-8,5	-3,1	1,8	6,3	1,8	-2,0
Total	1,5	-2,0	2,1	1,6	1,8	2,5

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

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	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Month-on-month % change
Food and beverages	25,15	102,2	102,7	103,7	101,7	105,3	3,5
Meat, fish, fruit, etc.	6,39	99,2	97,5	101,1	101,1	103,6	2,5
Dairy products	1,89	98,1	102,2	103,5	95,4	102,0	6,9
Grain mill products	2,86	94,2	94,8	97,8	97,0	96,0	-1,0
Other food products	7,62	110,4	111,1	111,5	106,5	115,2	8,2
Beverages	6,39	100,3	101,4	99,8	100,4	100,3	-0,1
Textiles, clothing, leather and footwear	3,28	93,4	94,1	92,7	98,4	94,6	-3,9
Textiles	0,83	105,3	108,0	99,7	100,5	97,6	-2,9
Other textile products	0,41	103,5	100,2	101,1	104,8	95,4	-9,0
Knitted, crocheted articles	0,09	95,7	90,0	95,7	97,5	97,0	-0,5
Wearing apparel	1,10	86,2	84,7	85,3	95,0	91,2	-4,0
Leather and leather products	0,49	86,5	91,9	86,7	95,1	89,7	-5,7
Footwear	0,36	85,1	88,3	97,2	101,7	103,8	2,1
Wood and wood products, paper, publishing and printing	11,62	97,9	99,5	100,3	97,7	97,0	-0,7
Sawmilling and planing of wood	1,71	110,2	120,6	108,5	104,5	111,9	7,1
Products of wood	2,37	100,7	102,2	102,0	103,1	96,8	-6,1
Paper and paper products	4,33	96,1	96,3	99,7	99,2	98,2	-1,0
Publishing	1,49	89,2	85,4	97,1	80,7	81,5	1,0
Printing, recorded media	1,72	93,8	95,2	94,1	94,2	92,8	-1,5
Petroleum, chemical products, rubber and plastic products	24,01	99,4	103,0	103,5	107,2	101,8	-5,0
Coke, petroleum products and nuclear fuel	9,29	100,6	108,3	109,4	113,4	105,3	-7,1
Basic chemicals	4,36	99,7	101,4	103,5	103,8	101,9	-1,8
Other chemical products	6,16	98,9	97,2	97,8	104,3	97,9	-6,1
Rubber products	1,34	95,5	103,2	94,1	94,4	96,0	1,7
Plastic products	2,86	98,2	100,9	101,4	104,4	101,7	-2,6
Glass and non-metallic mineral products	3,90	94,3	97,4	98,2	100,5	97,3	-3,2
Glass and glass products	0,74	102,7	101,2	103,7	106,1	108,6	2,4
Non-metallic mineral products	3,16	92,3	96,5	96,9	99,2	94,6	-4,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	101,6	103,1	103,4	104,9	102,6	-2,2
Basic iron and steel products	3,44	116,3	120,8	119,8	116,8	119,6	2,4
Non-ferrous metal products	2,73	105,7	105,7	106,3	108,3	103,3	-4,6
Structural metal products	1,86	89,5	85,5	95,9	85,9	77,4	-9,9
Other fabricated metal products	3,86	98,0	102,3	102,5	113,7	107,6	-5,4
General purpose machinery	2,51	94,9	97,6	96,3	98,9	95,8	-3,1
Special purpose machinery	3,51	100,8	101,0	98,5	97,0	98,7	1,8
Household appliances	0,81	94,0	89,1	87,8	98,5	99,2	0,7
Electrical machinery	1,65	89,0	91,0	90,0	90,8	91,8	1,1
Radio, television and communication apparatus and professional equipment	1,61	101,7	94,5	98,8	109,7	101,7	-7,3
Radio, television and communication apparatus	0,93	108,3	97,6	103,0	111,6	100,8	-9,7
Professional equipment	0,68	92,7	90,3	93,2	107,1	102,9	-3,9
Motor vehicles, parts and accessories and other transport equipment	6,86	101,2	93,6	100,9	104,4	99,1	-5,1
Motor vehicles	2,43	97,3	85,8	94,4	102,6	88,9	-13,4
Bodies for motor vehicles, trailers and semi-trailers	0,46	109,3	109,0	109,7	109,9	117,0	6,5
Parts and accessories	2,76	105,0	100,6	108,3	115,2	110,0	-4,5
Other transport equipment	1,21	97,4	87,7	93,9	81,3	87,9	8,1
Furniture and other manufacturing	3,20	96,7	98,1	102,0	103,4	105,4	1,9
Furniture	1,09	90,0	92,4	95,3	99,3	107,2	8,0
Other manufacturing groups	2,11	100,2	101,0	105,5	105,4	104,6	-0,8
Total	100	99,8	100,9	102,1	103,2	101,6	-1,6

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	158 962
Feb	130 318	136 580	151 473	148 643	160 942	163 412	
Mar	138 289	142 666	156 916	167 548	169 986	183 141	
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	174 165	
Total	1 617 770	1 749 852	1 899 636	1 934 410	2 059 248	2 154 187	

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	7,3	7,3
Feb	4,8	10,9	-1,9	8,3	1,5		
Mar	3,2	10,0	6,8	1,5	7,7		
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	158 151	165 306	175 312	186 098	-1,7	1,5	1,6	0,2
Feb	156 037	168 470	172 884		-1,3	1,9	-1,4	
Mar	162 581	168 091	173 936		4,2	-0,2	0,6	
Apr	158 757	169 163	175 898		-2,4	0,6	1,1	
May	160 125	174 195	178 327		0,9	3,0	1,4	
Jun	159 687	173 677	178 074		-0,3	-0,3	-0,1	
Jul	162 320	173 383	178 933		1,6	-0,2	0,5	
Aug	161 339	172 044	180 967		-0,6	-0,8	1,1	
Sep	164 123	174 036	180 437		1,7	1,2	-0,3	
Oct	163 741	171 381	182 066		-0,2	-1,5	0,9	
Nov	161 438	174 304	191 221		-1,4	1,7	5,0	
Dec	162 864	172 488	185 742		0,9	-1,0	-2,9	

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

Manufacturing division and major group	Aug-17	Sep-17	Oct-17	¹ Nov-17	¹ Dec-17	¹ Jan-18
Food and beverages	44 498	43 829	46 561	50 464	48 983	38 769
Meat, fish, fruit, etc.	12 880	12 454	12 777	14 089	13 609	11 295
Dairy products	3 602	3 568	3 935	3 974	3 731	3 544
Grain mill products	6 138	5 638	6 014	6 485	5 803	5 136
Other food products	10 275	9 973	11 052	11 907	9 553	8 624
Beverages	11 604	12 196	12 784	14 009	16 287	10 169
Textiles, clothing, leather and footwear	4 980	5 110	5 519	5 917	4 155	3 514
Textiles	711	738	834	809	429	501
Other textile products	1 254	1 363	1 397	1 434	1 057	880
Knitted, crocheted articles	226	249	246	264	168	173
Wearing apparel	1 703	1 659	1 799	2 027	1 450	982
Leather and leather products	636	632	682	675	565	570
Footwear	449	469	560	708	486	409
Wood and wood products, paper, publishing and printing	13 539	14 559	14 315	15 923	12 517	11 138
Sawmilling and planing of wood	1 085	1 056	1 224	1 007	756	843
Products of wood	1 811	1 841	2 084	2 151	1 368	1 299
Paper and paper products	6 417	7 205	6 293	7 336	6 577	5 860
Publishing	1 669	1 785	1 720	2 117	1 426	1 228
Printing, recorded media	2 557	2 672	2 994	3 312	2 390	1 908
Petroleum, chemical products, rubber and plastic products	38 895	39 312	41 754	43 709	38 281	38 222
Coke, petroleum products and nuclear fuel	12 346	11 797	13 037	13 614	13 743	15 725
Basic chemicals	8 118	8 534	8 991	9 419	7 742	7 246
Other chemical products	11 588	12 012	11 874	12 343	10 972	9 535
Rubber products	1 445	1 397	1 553	1 583	1 079	1 130
Plastic products	5 399	5 573	6 299	6 750	4 745	4 586
Glass and non-metallic mineral products	5 900	5 736	6 378	6 628	4 080	4 034
Glass and glass products	1 026	1 079	1 280	1 316	947	863
Non-metallic mineral products	4 873	4 657	5 098	5 312	3 133	3 171
Basic iron and steel, non-ferrous metal products, metal products and machinery	38 471	38 883	42 343	46 033	33 586	34 326
Basic iron and steel products	10 850	11 081	12 461	14 197	8 543	11 678
Non-ferrous metal products	8 618	9 204	10 103	10 963	9 490	8 865
Structural metal products	2 892	3 002	3 011	3 637	2 100	1 838
Other fabricated metal products	6 851	6 515	7 128	7 662	5 257	5 332
General purpose machinery	3 386	3 304	3 567	3 603	3 099	2 390
Special purpose machinery	4 781	4 617	4 824	4 723	4 133	3 212
Household appliances	1 093	1 161	1 248	1 247	964	1 011
Electrical machinery	4 715	4 943	4 838	5 303	3 944	3 643
Radio, television and communication apparatus and professional equipment	2 293	2 380	2 302	2 595	2 390	1 646
Radio, television and communication apparatus	1 560	1 559	1 475	1 749	1 453	957
Professional equipment	733	821	827	846	937	689
Motor vehicles, parts and accessories and other transport equipment	26 683	27 458	26 442	29 953	19 515	18 393
Motor vehicles	15 217	15 370	14 993	17 027	11 189	9 096
Bodies for motor vehicles, trailers and semi-trailers	1 066	1 034	1 210	1 305	808	868
Parts and accessories	7 577	7 440	7 562	8 701	4 871	6 426
Other transport equipment	2 822	3 614	2 677	2 919	2 647	2 003
Furniture and other manufacturing	6 779	6 782	7 573	8 133	6 714	5 277
Furniture	1 486	1 384	1 689	1 828	1 256	948
Other manufacturing groups	5 293	5 398	5 884	6 306	5 458	4 329
Total	186 752	188 992	198 023	214 658	174 165	158 962

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

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

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

Manufacturing division and major group	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Month-on-month % change
Food and beverages	42 587	43 601	44 921	42 381	44 256	4,4
Meat, fish, fruit, etc.	12 205	12 231	12 897	12 227	13 108	7,2
Dairy products	3 534	3 591	3 742	3 393	3 682	8,5
Grain mill products	5 703	5 803	5 931	5 797	5 615	-3,1
Other food products	9 542	10 043	10 509	9 429	9 918	5,2
Beverages	11 603	11 932	11 842	11 535	11 933	3,5
Textiles, clothing, leather and footwear	4 810	4 819	4 877	4 932	4 861	-1,4
Textiles	691	714	696	647	652	0,8
Other textile products	1 269	1 253	1 252	1 322	1 176	-11,0
Knitted, crocheted articles	243	231	233	234	238	1,7
Wearing apparel	1 552	1 532	1 571	1 576	1 586	0,6
Leather and leather products	609	633	631	660	628	-4,8
Footwear	446	457	494	493	581	17,8
Wood and wood products, paper, publishing and printing	13 045	13 160	13 668	13 205	13 245	0,3
Sawmilling and planing of wood	1 001	1 067	1 014	869	1 026	18,1
Products of wood	1 686	1 770	1 785	1 740	1 680	-3,4
Paper and paper products	6 282	6 309	6 709	6 578	6 670	1,4
Publishing	1 603	1 489	1 661	1 413	1 457	3,1
Printing, recorded media	2 472	2 525	2 500	2 605	2 412	-7,4
Petroleum, chemical products, rubber and plastic products	38 227	38 042	38 870	40 572	40 845	0,7
Coke, petroleum products and nuclear fuel	12 603	12 593	13 178	13 607	14 963	10,0
Basic chemicals	7 947	7 743	7 953	8 418	7 750	-7,9
Other chemical products	11 081	10 893	10 885	11 646	11 273	-3,2
Rubber products	1 371	1 422	1 393	1 420	1 421	0,1
Plastic products	5 225	5 391	5 460	5 481	5 438	-0,8
Glass and non-metallic mineral products	5 211	5 498	5 520	5 530	5 407	-2,2
Glass and glass products	957	1 000	1 012	1 024	1 037	1,3
Non-metallic mineral products	4 254	4 498	4 508	4 506	4 370	-3,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	37 835	39 555	42 379	39 707	39 792	0,2
Basic iron and steel products	10 963	11 898	13 638	11 003	11 900	8,2
Non-ferrous metal products	9 098	9 528	10 462	9 743	9 651	-0,9
Structural metal products	2 832	2 781	3 018	2 747	2 508	-8,7
Other fabricated metal products	6 058	6 406	6 577	7 187	6 841	-4,8
General purpose machinery	3 176	3 241	3 233	3 318	3 162	-4,7
Special purpose machinery	4 576	4 564	4 376	4 489	4 525	0,8
Household appliances	1 132	1 136	1 075	1 220	1 204	-1,3
Electrical machinery	4 473	4 686	4 683	4 954	4 815	-2,8
Radio, television and communication apparatus and professional equipment	2 158	2 065	2 102	2 379	2 233	-6,1
Radio, television and communication apparatus	1 391	1 282	1 346	1 409	1 327	-5,8
Professional equipment	767	783	756	970	906	-6,6
Motor vehicles, parts and accessories and other transport equipment	25 547	23 847	27 115	25 040	23 546	-6,0
Motor vehicles	14 362	12 998	15 349	13 653	12 275	-10,1
Bodies for motor vehicles, trailers and semi-trailers	992	1 087	1 059	1 158	1 252	8,1
Parts and accessories	7 220	7 097	7 859	7 674	7 423	-3,3
Other transport equipment	2 973	2 665	2 847	2 556	2 596	1,6
Furniture and other manufacturing	6 543	6 793	7 087	7 041	7 098	0,8
Furniture	1 301	1 324	1 374	1 432	1 458	1,8
Other manufacturing groups	5 242	5 469	5 713	5 609	5 640	0,6
Total	180 437	182 066	191 221	185 742	186 098	0,2

Survey information

Introduction	1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group. 2 In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2015. Both estimated and seasonally adjusted figures are presented. 3 In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available. 4 Stats SA is continuously updating its BSF, based on units registered for value added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).
Purpose of the survey	5 The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.
Special Data Dissemination Standard of the IMF	6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
Scope of the survey	7 This survey covers manufacturing enterprises, i.e. those conducting activities in - • the manufacturing, processing, making or packing of products; • the slaughtering of animals, including poultry; and • installation, assembly, completion, repair and related work.
Classification	8 The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities</i> (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
Collection rate	9 The preliminary collection rate for the survey on manufacturing production and sales for January 2018 was 86,9%. The improved collection rate for December 2017 was 89,2%.
Statistical unit	10 The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
Revised figures	11 Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.

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

Technical notes

- Survey methodology and design** 1 The survey is conducted monthly. Questionnaires are sent to a sample of 3 192 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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