

STATISTICAL RELEASE
P3041.2

Manufacturing: Production and sales
(Preliminary)

September 2018

Embargoed until:
8 November 2018
13:00

ENQUIRIES:
Nicolai Claassen
Tel: (012) 310 8007

FORTHCOMING ISSUE:
October 2018

EXPECTED RELEASE DATE:
11 December 2018

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 September 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 September 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 September 2018

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

	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18
Year-on-year % change, unadjusted	1,2	2,1	0,5	2,7	1,5	0,1
Month-on-month % change, seasonally adjusted	-0,4	1,4	0,1	1,4	0,2	-1,0
3-month % change, seasonally adjusted ¹	-2,8	-1,4	0,2	1,8	1,9	1,7

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

Manufacturing production increased by 0,1% in September 2018 compared with September 2017. The largest positive contributions were made by the following divisions:

- food and beverages (2,7% and contributing 0,7 of a percentage point);
- basic iron and steel, non-ferrous metal products, metal products and machinery (3,3% and contributing 0,6 of a percentage point); and
- wood and wood products, paper, publishing and printing (3,4% and contributing 0,4 of a percentage point).

The largest negative contributions in September 2018 were made by the following divisions:

- petroleum, chemicals, rubber and plastic products (-3,2% and contributing -0,7 of a percentage point);
- motor vehicles, parts and accessories and other transport equipment (-4,9% and contributing -0,4 of a percentage point); and
- radio, television and communication apparatus and professional equipment (-13,0% and contributing -0,2 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 1,0% in September 2018 compared with August 2018. This followed month-on-month changes of 0,2% in August 2018 and 1,4% in July 2018 – see Table A.

Seasonally adjusted manufacturing production increased by 1,7% in the third quarter of 2018 compared with the second quarter of 2018. Seven of the ten manufacturing divisions reported positive growth rates over this period.

The largest positive contributions to the 1,7% increase in the third quarter of 2018 were made by:

- basic iron and steel, non-ferrous metal products, metal products and machinery (2,7% and contributing 0,5 of a percentage point);
- wood and wood products, paper, publishing and printing (4,0% and contributing 0,4 of a percentage point);
- petroleum, chemicals, rubber and plastic products (1,6% and contributing 0,4 of a percentage point); and
- motor vehicles, parts and accessories and other transport equipment (2,8% and contributing 0,2 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	Apr – Jun 2018	Jul – Sep 2018	% change between Apr – Jun 2018 and Jul – Sep 2018	Contribution (% points) to the total % change
Food and beverages	25,78	105,4	105,9	0,5	0,1
Meat, fish, fruit, etc.	6,59	101,0	104,9	3,9	0,3
Dairy products	2,00	103,6	105,9	2,2	0,0
Grain mill products	3,12	98,3	98,4	0,1	0,0
Other food products	7,74	114,0	112,0	-1,8	-0,2
Beverages	6,33	103,1	102,8	-0,3	0,0
Textiles, clothing, leather and footwear	3,21	91,7	91,6	-0,1	0,0
Textiles	0,80	103,4	102,1	-1,3	0,0
Other textile products	0,41	102,1	102,7	0,6	0,0
Knitted, crocheted articles	0,09	96,6	95,9	-0,7	0,0
Wearing apparel	1,08	84,0	84,1	0,1	0,0
Leather and leather products	0,48	81,4	82,9	1,8	0,0
Footwear	0,35	89,2	88,9	-0,3	0,0
Wood and wood products, paper, publishing and printing	11,28	97,1	101,0	4,0	0,4
Sawmilling and planing of wood	1,69	103,3	105,6	2,2	0,0
Products of wood	2,42	104,8	107,0	2,1	0,1
Paper and paper products	4,09	96,5	102,7	6,4	0,3
Publishing	1,45	83,6	88,2	5,5	0,1
Printing, recorded media	1,63	93,2	95,0	1,9	0,0
Petroleum, chemical products, rubber and plastic products	23,82	98,7	100,3	1,6	0,4
Coke, petroleum products and nuclear fuel	9,18	97,2	101,1	4,0	0,4
Basic chemicals	4,41	102,8	94,9	-7,7	-0,3
Other chemical products	6,15	96,5	98,8	2,4	0,1
Rubber products	1,30	95,9	101,3	5,6	0,1
Plastic products	2,78	103,4	108,7	5,1	0,1
Glass and non-metallic mineral products	3,53	97,4	95,9	-1,5	-0,1
Glass and glass products	0,69	108,2	104,2	-3,7	0,0
Non-metallic mineral products	2,84	94,9	93,9	-1,1	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,74	101,9	104,7	2,7	0,5
Basic iron and steel products	3,52	113,7	119,5	5,1	0,2
Non-ferrous metal products	2,60	103,9	107,6	3,6	0,1
Structural metal products	1,92	87,8	90,5	3,1	0,1
Other fabricated metal products	3,84	105,5	105,8	0,3	0,0
General purpose machinery	2,57	97,3	96,7	-0,6	0,0
Special purpose machinery	3,50	97,8	103,6	5,9	0,2
Household appliances	0,79	91,2	90,0	-1,3	0,0
Electrical machinery	1,63	81,9	83,0	1,3	0,0
Radio, television and communication apparatus and professional equipment	1,59	95,1	92,5	-2,7	0,0
Radio, television and communication apparatus	0,92	100,6	96,4	-4,2	0,0
Professional equipment	0,67	87,5	87,2	-0,3	0,0
Motor vehicles, parts and accessories and other transport equipment	7,20	100,3	103,1	2,8	0,2
Motor vehicles	2,60	93,1	101,1	8,6	0,2
Bodies for motor vehicles, trailers and semi-trailers	0,48	109,3	112,5	2,9	0,0
Parts and accessories	2,89	110,2	110,5	0,3	0,0
Other transport equipment	1,23	88,5	87,1	-1,6	0,0
Furniture and other manufacturing	3,22	95,3	98,2	3,0	0,1
Furniture	1,08	96,1	90,0	-6,3	-0,1
Other manufacturing groups	2,14	94,9	102,3	7,8	0,2
Total	100	100,2	101,9	1,7	1,7

Figure 1 – Volume of manufacturing production (Base: 2015=100)

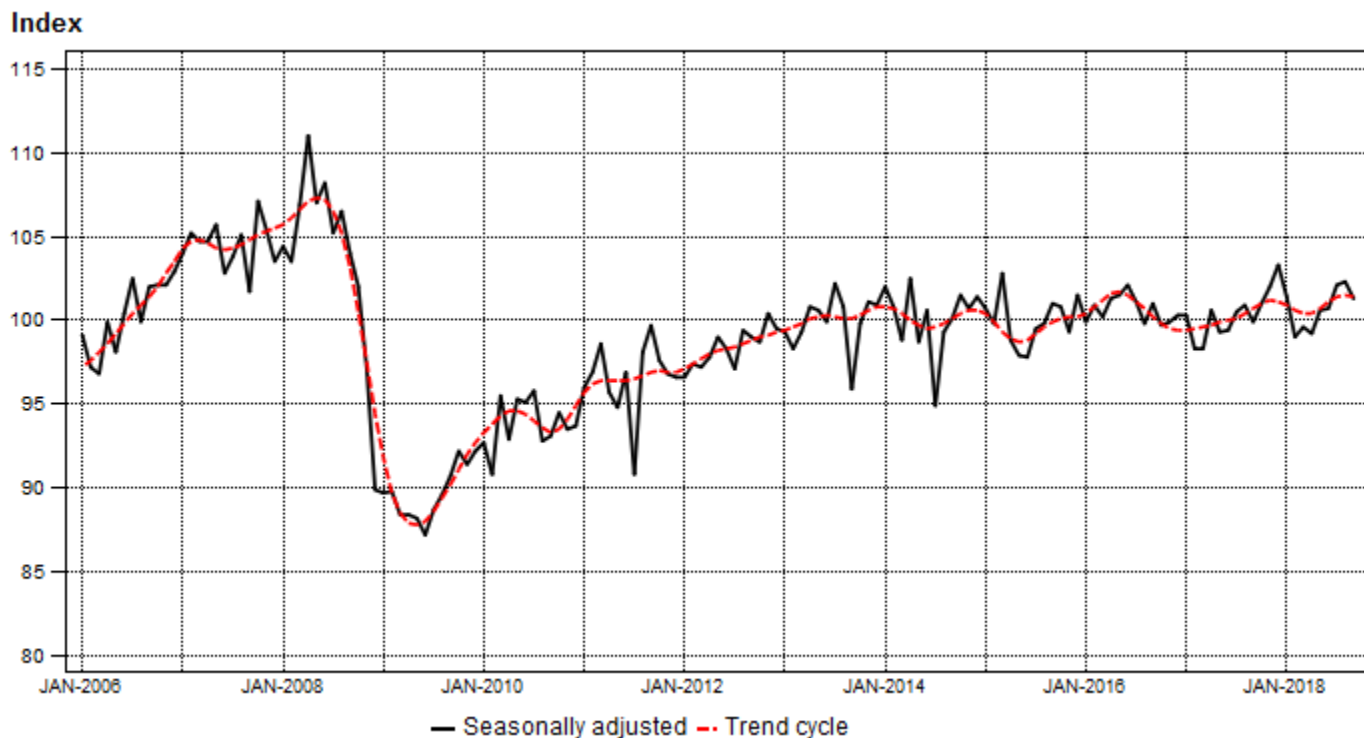
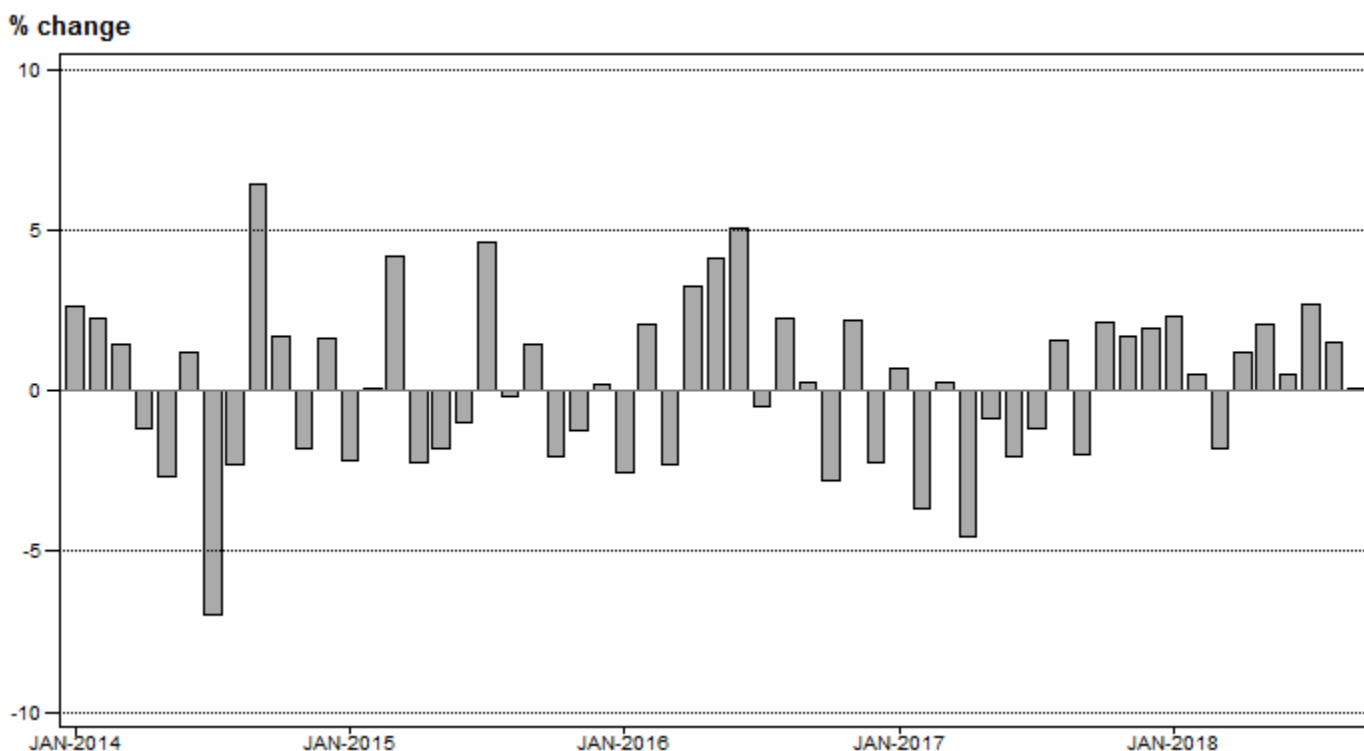


Figure 2 – Volume of manufacturing production (Base: 2015=100): year-on-year percentage change



Sales: results for September 2018**Table C – Key growth rates in manufacturing sales at current prices**

	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18
Year-on-year % change, unadjusted	4,5	6,8	4,8	10,9	8,2	9,0
Month-on-month % change, seasonally adjusted	-3,5	6,6	-0,4	2,8	-0,1	3,0
3-month % change, seasonally adjusted ¹	-1,9	0,2	1,1	4,8	4,4	5,6

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

Seasonally adjusted manufacturing sales increased by 3,0% in September 2018 compared with August 2018. This followed month-on-month changes of -0,1% in August 2018 and 2,8% in July 2018 – see Table C.

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

Manufacturing division	Apr – Jun 2018 (R million)	Jul – Sep 2018 (R million)	% change between Apr – Jun 2018 and Jul – Sep 2018	Contribution (% points) to the total % change
Food and beverages	132 103	134 245	1,6	0,4
Textiles, clothing, leather and footwear	14 030	14 191	1,1	0,0
Wood and wood products, paper, publishing and printing	41 965	43 855	4,5	0,3
Petroleum, chemical products, rubber and plastic products	117 914	125 616	6,5	1,4
Glass and non-metallic mineral products	16 482	16 333	-0,9	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	123 717	134 933	9,1	2,0
Electrical machinery	13 464	13 436	-0,2	0,0
Radio, television and communication apparatus and professional equipment	6 351	6 092	-4,1	0,0
Motor vehicles, parts and accessories and other transport equipment	75 692	83 462	10,3	1,4
Furniture and other manufacturing	22 160	23 017	3,9	0,2
Total	563 877	595 180	5,6	5,6

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	84,8	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	99,9
Apr	89,3	95,6	94,5	92,4	95,4	91,1	92,2
May	100,3	101,9	99,2	97,4	101,4	100,5	102,6
Jun	98,4	98,6	99,8	98,8	103,8	101,7	102,2
Jul	99,6	104,8	97,5	102,0	101,5	100,3	103,0
Aug	103,2	103,8	101,4	101,2	103,5	105,1	106,7
Sep	101,1	99,1	105,5	107,0	107,3	105,2	105,3
Oct	109,5	111,3	113,2	110,9	107,8	110,1	
Nov	113,6	113,1	111,1	109,7	112,1	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	-2,5	0,7	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	-1,8	0,2
Apr	7,1	-1,2	-2,2	3,2	-4,5	1,2	0,4
May	1,6	-2,6	-1,8	4,1	-0,9	2,1	0,8
Jun	0,2	1,2	-1,0	5,1	-2,0	0,5	0,8
Jul	5,2	-7,0	4,6	-0,5	-1,2	2,7	1,0
Aug	0,6	-2,3	-0,2	2,3	1,5	1,5	1,1
Sep	-2,0	6,5	1,4	0,3	-2,0	0,1	1,0
Oct	1,6	1,7	-2,0	-2,8	2,1		
Nov	-0,4	-1,8	-1,3	2,2	1,7		
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	100,7	99,9	100,3	101,4	-0,7	-1,6	0,0	-1,8
Feb	99,8	100,9	98,3	99,0	-0,9	1,0	-2,0	-2,4
Mar	102,8	100,2	98,3	99,6	3,0	-0,7	0,0	0,6
Apr	98,8	101,3	100,6	99,2	-3,9	1,1	2,3	-0,4
May	97,9	101,5	99,3	100,6	-0,9	0,2	-1,3	1,4
Jun	97,8	102,1	99,4	100,7	-0,1	0,6	0,1	0,1
Jul	99,5	101,1	100,5	102,1	1,7	-1,0	1,1	1,4
Aug	99,8	99,8	100,9	102,3	0,3	-1,3	0,4	0,2
Sep	101,0	101,0	99,9	101,3	1,2	1,2	-1,0	-1,0
Oct	100,8	99,7	101,0		-0,2	-1,3	1,1	
Nov	99,3	99,9	102,0		-1,5	0,2	1,0	
Dec	101,5	100,3	103,3		2,2	0,4	1,3	

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

Manufacturing division and major group	Weights	Apr-18	May-18	Jun-18	¹ Jul-18	¹ Aug-18	¹ Sep-18
Food and beverages	25,78	97,4	105,4	106,1	104,2	110,8	110,2
Meat, fish, fruit, etc.	6,59	93,4	104,5	104,2	102,0	107,0	106,8
Dairy products	2,00	97,5	95,8	94,1	97,0	107,7	108,9
Grain mill products	3,12	94,6	99,6	100,5	99,9	100,7	98,1
Other food products	7,74	108,9	119,8	124,6	122,8	127,7	120,5
Beverages	6,33	88,8	94,7	91,9	88,0	100,0	107,7
Textiles, clothing, leather and footwear	3,21	89,5	92,0	91,7	94,5	96,2	95,0
Textiles	0,80	102,5	109,7	109,2	110,5	102,8	101,7
Other textile products	0,41	98,3	108,9	103,3	102,5	108,1	109,9
Knitted, crocheted articles	0,09	101,2	102,4	97,9	100,4	96,8	94,9
Wearing apparel	1,08	80,7	79,0	78,4	95,5	90,8	88,7
Leather and leather products	0,48	85,0	83,6	83,8	68,7	85,5	83,9
Footwear	0,35	79,5	80,4	88,2	79,2	97,9	96,2
Wood and wood products, paper, publishing and printing	11,28	84,8	96,1	99,9	101,5	104,4	110,2
Sawmilling and planing of wood	1,69	93,8	116,0	104,2	111,8	110,7	104,7
Products of wood	2,42	96,6	102,3	111,3	107,0	108,3	117,9
Paper and paper products	4,09	83,3	94,5	101,0	98,2	106,5	116,3
Publishing	1,45	70,3	75,8	83,2	91,8	92,2	97,5
Printing, recorded media	1,63	74,5	88,2	90,8	99,6	97,8	100,6
Petroleum, chemical products, rubber and plastic products	23,82	94,3	99,4	97,6	100,5	104,8	99,2
Coke, petroleum products and nuclear fuel	9,18	106,1	89,7	95,8	102,1	105,0	96,1
Basic chemicals	4,41	87,5	113,7	99,3	96,3	101,7	87,4
Other chemical products	6,15	85,0	100,2	96,4	96,5	103,6	104,4
Rubber products	1,30	89,9	111,5	98,0	108,0	101,8	98,4
Plastic products	2,78	89,2	101,3	102,9	107,5	113,2	116,6
Glass and non-metallic mineral products	3,53	92,6	102,4	105,4	104,0	105,9	99,7
Glass and glass products	0,69	96,9	106,0	107,5	106,1	116,4	110,3
Non-metallic mineral products	2,84	91,5	101,5	104,9	103,5	103,3	97,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,74	94,5	107,4	105,7	105,2	108,1	108,0
Basic iron and steel products	3,52	114,9	126,1	116,4	108,0	112,6	123,6
Non-ferrous metal products	2,60	97,3	111,2	105,2	102,7	114,6	108,4
Structural metal products	1,92	73,1	95,0	97,2	100,7	91,3	91,5
Other fabricated metal products	3,84	96,6	113,1	106,6	112,0	114,3	107,9
General purpose machinery	2,57	87,2	100,6	106,0	100,8	101,7	97,7
Special purpose machinery	3,50	88,3	93,5	102,6	107,4	108,8	111,7
Household appliances	0,79	87,5	96,9	89,9	84,6	95,0	94,1
Electrical machinery	1,63	71,7	86,5	89,3	84,3	86,3	90,2
Radio, television and communication apparatus and professional equipment	1,59	85,1	92,2	88,0	95,4	98,1	96,6
Radio, television and communication apparatus	0,92	86,3	94,9	88,0	98,8	107,0	104,6
Professional equipment	0,67	83,5	88,5	88,0	90,7	85,9	85,6
Motor vehicles, parts and accessories and other transport equipment	7,20	85,7	114,9	108,8	111,6	112,2	106,0
Motor vehicles	2,60	77,2	113,4	102,2	114,7	115,7	107,1
Bodies for motor vehicles, trailers and semi-trailers	0,48	102,0	122,5	112,1	119,4	116,7	117,7
Parts and accessories	2,89	100,2	125,7	115,0	118,4	119,7	109,5
Other transport equipment	1,23	63,1	89,5	106,9	86,3	85,6	91,1
Furniture and other manufacturing	3,22	79,0	96,7	99,6	104,8	102,0	103,6
Furniture	1,08	84,1	99,9	94,2	93,1	100,8	91,1
Other manufacturing groups	2,14	76,5	95,2	102,3	110,8	102,7	109,9
Total	100	92,2	102,6	102,2	103,0	106,7	105,3

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

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

Manufacturing division and major group	Weights	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18
Food and beverages	25,78	0,8	1,1	1,0	1,6	0,9	0,7
Meat, fish, fruit, etc.	6,59	0,0	0,2	0,3	0,5	0,3	0,4
Dairy products	2,00	0,1	0,0	0,0	0,1	0,1	0,1
Grain mill products	3,12	0,3	0,1	0,1	0,1	0,1	0,1
Other food products	7,74	0,8	0,7	0,5	0,9	0,3	-0,1
Beverages	6,33	-0,4	0,0	0,0	0,1	0,1	0,2
Textiles, clothing, leather and footwear	3,21	0,0	-0,2	0,0	-0,1	0,0	-0,1
Textiles	0,80	0,0	-0,1	0,0	0,0	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	1,08	0,0	-0,1	0,0	0,0	0,0	0,0
Leather and leather products	0,48	-0,1	0,0	0,0	0,0	0,0	0,0
Footwear	0,35	0,0	0,0	0,0	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	11,28	-0,5	-0,3	-0,1	0,4	0,2	0,4
Sawmilling and planing of wood	1,69	-0,2	0,0	-0,1	0,0	-0,1	-0,1
Products of wood	2,42	0,1	0,1	0,1	0,1	0,0	0,2
Paper and paper products	4,09	-0,2	-0,1	0,0	0,2	0,4	0,3
Publishing	1,45	-0,1	-0,2	-0,1	0,0	-0,1	0,0
Printing, recorded media	1,63	-0,1	-0,1	0,0	0,0	0,0	0,0
Petroleum, chemical products, rubber and plastic products	23,82	0,7	1,0	0,3	0,2	0,2	-0,7
Coke, petroleum products and nuclear fuel	9,18	1,0	0,5	1,1	0,1	0,0	-0,4
Basic chemicals	4,41	-0,2	0,4	-0,1	-0,2	-0,1	-0,7
Other chemical products	6,15	-0,4	-0,2	-0,8	0,0	0,0	0,0
Rubber products	1,30	0,0	0,0	-0,1	0,1	0,0	0,0
Plastic products	2,78	0,2	0,2	0,1	0,2	0,3	0,3
Glass and non-metallic mineral products	3,53	0,3	0,0	0,1	0,1	0,0	-0,1
Glass and glass products	0,69	0,1	0,1	0,1	0,0	0,0	0,0
Non-metallic mineral products	2,84	0,2	-0,1	0,0	0,1	0,0	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,74	0,1	0,3	-0,1	0,2	0,4	0,6
Basic iron and steel products	3,52	0,0	0,1	0,5	0,0	0,1	0,3
Non-ferrous metal products	2,60	-0,2	0,2	-0,1	-0,3	0,1	0,1
Structural metal products	1,92	-0,1	0,1	-0,2	0,1	0,0	-0,1
Other fabricated metal products	3,84	0,3	0,2	0,0	0,2	0,1	0,1
General purpose machinery	2,57	0,0	0,0	0,1	0,1	0,0	0,0
Special purpose machinery	3,50	0,0	-0,3	-0,4	0,1	0,1	0,2
Household appliances	0,79	0,0	0,1	0,0	0,0	0,0	0,0
Electrical machinery	1,63	-0,1	-0,1	-0,2	-0,1	-0,1	-0,1
Radio, television and communication apparatus and professional equipment	1,59	-0,3	-0,2	-0,2	-0,2	-0,1	-0,2
Radio, television and communication apparatus	0,92	-0,1	-0,1	-0,1	-0,1	-0,1	-0,1
Professional equipment	0,67	-0,2	-0,1	0,0	0,0	0,0	-0,1
Motor vehicles, parts and accessories and other transport equipment	7,20	0,1	0,7	-0,2	0,6	0,1	-0,4
Motor vehicles	2,60	0,0	0,2	-0,2	0,2	0,2	0,0
Bodies for motor vehicles, trailers and semi-trailers	0,48	0,1	0,1	0,0	0,1	0,0	0,0
Parts and accessories	2,89	0,2	0,4	0,2	0,4	0,0	-0,1
Other transport equipment	1,23	-0,1	0,1	-0,2	0,0	-0,1	-0,3
Furniture and other manufacturing	3,22	0,3	-0,1	-0,1	0,1	0,0	0,0
Furniture	1,08	0,0	0,1	0,0	0,0	-0,1	-0,1
Other manufacturing groups	2,14	0,3	-0,2	-0,1	0,1	0,1	0,1
Total	100	1,2	2,1	0,5	2,7	1,5	0,1

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

Manufacturing division and major group	Weights	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Month-on-month % change
Food and beverages	25,78	104,3	106,5	106,1	105,2	106,3	1,0
Meat, fish, fruit, etc.	6,59	102,0	103,4	103,9	104,8	106,1	1,2
Dairy products	2,00	103,2	102,9	104,5	106,0	107,2	1,1
Grain mill products	3,12	97,6	99,1	98,1	98,1	99,0	0,9
Other food products	7,74	112,4	114,9	114,2	110,5	111,2	0,6
Beverages	6,33	100,1	103,8	102,8	102,1	103,6	1,5
Textiles, clothing, leather and footwear	3,21	90,2	93,5	91,8	92,4	90,7	-1,8
Textiles	0,80	100,4	108,0	107,5	100,0	98,8	-1,2
Other textile products	0,41	106,2	100,6	100,8	102,9	104,3	1,4
Knitted, crocheted articles	0,09	93,7	98,7	94,9	98,8	94,1	-4,8
Wearing apparel	1,08	82,1	84,9	85,6	84,8	81,9	-3,4
Leather and leather products	0,48	79,7	81,3	80,2	85,5	83,0	-2,9
Footwear	0,35	86,6	94,1	79,5	93,9	93,2	-0,7
Wood and wood products, paper, publishing and printing	11,28	97,7	99,0	100,6	101,2	101,3	0,1
Sawmilling and planing of wood	1,69	107,7	104,2	105,0	107,1	104,6	-2,3
Products of wood	2,42	104,0	106,6	106,0	103,8	111,1	7,0
Paper and paper products	4,09	97,9	98,3	101,3	104,8	102,0	-2,7
Publishing	1,45	82,3	86,0	90,5	87,0	87,2	0,2
Printing, recorded media	1,63	91,9	96,1	95,5	94,8	94,8	0,0
Petroleum, chemical products, rubber and plastic products	23,82	98,2	97,0	100,7	102,4	97,7	-4,6
Coke, petroleum products and nuclear fuel	9,18	89,7	95,8	102,1	105,0	96,1	-8,5
Basic chemicals	4,41	108,5	98,8	96,2	99,9	88,5	-11,4
Other chemical products	6,15	99,1	95,2	98,0	97,9	100,4	2,6
Rubber products	1,30	101,1	90,7	104,1	100,4	99,5	-0,9
Plastic products	2,78	106,5	104,7	107,5	108,3	110,4	1,9
Glass and non-metallic mineral products	3,53	95,9	98,8	96,6	97,4	93,6	-3,9
Glass and glass products	0,69	110,2	106,8	103,8	107,4	101,3	-5,7
Non-metallic mineral products	2,84	92,6	96,9	94,9	95,1	91,8	-3,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,74	103,5	102,9	103,9	104,7	105,6	0,9
Basic iron and steel products	3,52	114,2	115,7	115,2	118,2	125,1	5,8
Non-ferrous metal products	2,60	107,9	105,1	103,2	109,7	109,9	0,2
Structural metal products	1,92	90,1	90,0	96,6	87,3	87,7	0,5
Other fabricated metal products	3,84	107,4	104,2	105,8	106,4	105,1	-1,2
General purpose machinery	2,57	97,4	100,2	99,2	96,4	94,5	-2,0
Special purpose machinery	3,50	98,6	98,9	102,5	103,7	104,5	0,8
Household appliances	0,79	94,6	89,2	86,6	93,4	90,1	-3,5
Electrical machinery	1,63	85,2	81,8	81,5	83,3	84,2	1,1
Radio, television and communication apparatus and professional equipment	1,59	96,6	91,6	94,7	93,4	89,4	-4,3
Radio, television and communication apparatus	0,92	103,5	95,4	97,3	96,7	95,3	-1,4
Professional equipment	0,67	87,3	86,5	91,2	88,9	81,4	-8,4
Motor vehicles, parts and accessories and other transport equipment	7,20	106,8	102,1	105,4	102,3	101,7	-0,6
Motor vehicles	2,60	99,7	95,6	101,9	99,7	101,7	2,0
Bodies for motor vehicles, trailers and semi-trailers	0,48	114,1	111,4	114,7	104,8	117,9	12,5
Parts and accessories	2,89	116,0	113,3	111,8	110,8	108,9	-1,7
Other transport equipment	1,23	97,4	86,2	94,5	87,4	79,4	-9,2
Furniture and other manufacturing	3,22	97,3	96,7	99,2	98,3	97,0	-1,3
Furniture	1,08	99,0	95,6	90,5	94,2	85,3	-9,4
Other manufacturing groups	2,14	96,5	97,2	103,7	100,3	102,9	2,6
Total	100	100,6	100,7	102,1	102,3	101,3	-1,0

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

Month	2012	2013	2014	2015	2016	2017	2018 ¹
Jan	111 924	121 436	135 677	135 105	139 194	149 598	156 736
Feb	131 506	137 860	152 891	150 297	162 804	165 159	176 201
Mar	139 729	144 166	158 596	169 510	171 979	185 331	187 729
Apr	122 963	139 563	150 136	149 096	162 622	160 348	167 504
May	136 472	147 760	154 928	160 228	175 473	182 017	194 480
Jun	137 003	145 708	163 114	165 325	179 564	185 638	194 615
Jul	133 816	153 100	152 581	165 809	173 159	177 157	196 533
Aug	140 977	150 611	163 460	163 742	179 525	188 712	204 247
Sep	138 136	146 841	170 204	174 697	186 940	191 032	208 298
Oct	151 341	163 656	183 528	181 093	186 342	199 764	
Nov	160 507	169 622	178 453	181 957	198 464	216 510	
Dec	129 139	146 427	154 776	158 052	165 556	175 770	
Total	1 633 513	1 766 750	1 918 344	1 954 911	2 081 622	2 177 036	

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	8,5	11,7	-0,4	3,0	7,5	4,8	4,8
Feb	4,8	10,9	-1,7	8,3	1,4	6,7	5,8
Mar	3,2	10,0	6,9	1,5	7,8	1,3	4,1
Apr	13,5	7,6	-0,7	9,1	-1,4	4,5	4,2
May	8,3	4,9	3,4	9,5	3,7	6,8	4,8
Jun	6,4	11,9	1,4	8,6	3,4	4,8	4,8
Jul	14,4	-0,3	8,7	4,4	2,3	10,9	5,7
Aug	6,8	8,5	0,2	9,6	5,1	8,2	6,0
Sep	6,3	15,9	2,6	7,0	2,2	9,0	6,4
Oct	8,1	12,1	-1,3	2,9	7,2		
Nov	5,7	5,2	2,0	9,1	9,1		
Dec	13,4	5,7	2,1	4,7	6,2		
Total	8,2	8,6	1,9	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	159 474	166 995	177 454	184 567	-2,0	1,4	1,7	-1,6
Feb	157 788	170 467	174 603	186 233	-1,1	2,1	-1,6	0,9
Mar	165 024	169 695	176 949	186 987	4,6	-0,5	1,3	0,4
Apr	161 096	172 764	179 380	180 349	-2,4	1,8	1,4	-3,5
May	161 756	175 898	180 203	192 186	0,4	1,8	0,5	6,6
Jun	161 510	175 872	180 350	191 342	-0,2	0,0	0,1	-0,4
Jul	163 860	174 698	180 045	196 622	1,5	-0,7	-0,2	2,8
Aug	162 887	173 744	182 451	196 345	-0,6	-0,5	1,3	-0,1
Sep	165 422	175 552	181 726	202 213	1,6	1,0	-0,4	3,0
Oct	165 046	172 966	183 314		-0,2	-1,5	0,9	
Nov	162 948	175 372	192 295		-1,3	1,4	4,9	
Dec	164 614	174 451	187 516		1,0	-0,5	-2,5	

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

Manufacturing division and major group	Apr-18	May-18	Jun-18	¹ Jul-18	¹ Aug-18	¹ Sep-18
Food and beverages	41 360	42 476	42 578	42 015	46 868	45 287
Meat, fish, fruit, etc.	10 805	12 216	12 244	12 073	12 659	12 799
Dairy products	3 538	3 737	3 671	3 624	3 892	3 879
Grain mill products	5 580	6 106	6 074	6 245	6 370	6 176
Other food products	10 935	9 145	9 539	9 588	11 718	9 448
Beverages	10 502	11 272	11 051	10 485	12 230	12 985
Textiles, clothing, leather and footwear	4 545	4 775	4 608	4 745	4 988	4 950
Textiles	588	624	622	610	611	617
Other textile products	1 299	1 456	1 377	1 392	1 458	1 475
Knitted, crocheted articles	240	240	228	232	223	214
Wearing apparel	1 439	1 446	1 359	1 570	1 634	1 596
Leather and leather products	606	618	608	514	609	597
Footwear	373	391	415	428	453	452
Wood and wood products, paper, publishing and printing	11 950	13 654	14 428	14 264	15 257	16 275
Sawmilling and planing of wood	869	1 114	995	1 038	1 088	1 008
Products of wood	1 891	2 096	2 384	2 055	2 234	2 403
Paper and paper products	5 779	6 543	6 964	6 571	7 440	8 094
Publishing	1 327	1 419	1 566	1 785	1 770	1 885
Printing, recorded media	2 083	2 482	2 519	2 816	2 725	2 886
Petroleum, chemical products, rubber and plastic products	34 528	41 514	40 098	42 282	42 752	43 583
Coke, petroleum products and nuclear fuel	11 792	13 905	13 094	15 167	14 634	14 722
Basic chemicals	6 577	9 067	8 671	8 458	8 609	8 413
Other chemical products	10 173	11 689	11 432	11 396	11 844	12 645
Rubber products	1 217	1 458	1 363	1 414	1 417	1 402
Plastic products	4 768	5 395	5 538	5 847	6 246	6 401
Glass and non-metallic mineral products	5 067	5 986	5 709	5 805	5 950	5 674
Glass and glass products	813	960	901	887	984	983
Non-metallic mineral products	4 254	5 026	4 808	4 918	4 966	4 690
Basic iron and steel, non-ferrous metal products, metal products and machinery	37 350	43 783	44 387	45 261	45 558	45 946
Basic iron and steel products	10 043	12 238	12 321	12 082	11 507	12 808
Non-ferrous metal products	9 941	11 442	11 843	12 142	12 762	12 568
Structural metal products	2 347	3 124	3 059	3 255	3 134	3 030
Other fabricated metal products	6 042	6 958	6 547	7 021	7 288	6 766
General purpose machinery	3 138	3 686	3 898	3 659	3 721	3 606
Special purpose machinery	4 755	5 108	5 517	5 964	5 978	5 953
Household appliances	1 086	1 229	1 201	1 138	1 168	1 216
Electrical machinery	3 947	4 624	4 751	4 502	4 651	4 919
Radio, television and communication apparatus and professional equipment	1 850	2 085	1 950	2 072	2 169	2 121
Radio, television and communication apparatus	989	1 160	1 083	1 159	1 284	1 251
Professional equipment	861	925	867	913	884	870
Motor vehicles, parts and accessories and other transport equipment	20 391	27 983	28 119	27 610	27 860	31 994
Motor vehicles	11 158	15 740	16 321	15 729	15 501	19 784
Bodies for motor vehicles, trailers and semi-trailers	958	1 191	1 125	1 204	1 209	1 087
Parts and accessories	6 245	8 155	7 274	7 839	8 319	8 091
Other transport equipment	2 030	2 897	3 399	2 837	2 831	3 033
Furniture and other manufacturing	6 516	7 599	7 987	7 977	8 195	7 548
Furniture	1 249	1 430	1 392	1 379	1 489	1 334
Other manufacturing groups	5 266	6 169	6 594	6 598	6 706	6 213
Total	167 504	194 480	194 615	196 533	204 247	208 298

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	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18
Food and beverages	5,4	5,0	2,3	6,5	6,9	4,9
Meat, fish, fruit, etc.	-1,1	3,7	2,9	5,0	1,6	6,2
Dairy products	5,7	8,6	11,3	8,2	6,4	7,0
Grain mill products	-3,8	-4,8	-2,8	2,4	1,0	6,6
Other food products	23,5	5,1	1,2	6,6	19,5	-0,8
Beverages	1,9	11,4	2,8	10,1	5,4	6,5
Textiles, clothing, leather and footwear	5,8	1,0	-0,2	0,5	0,8	-2,5
Textiles	-1,2	-10,1	-2,8	-5,3	-5,3	-7,8
Other textile products	14,8	12,0	3,7	6,5	9,5	1,9
Knitted, crocheted articles	10,1	0,4	2,2	5,0	3,2	-10,1
Wearing apparel	2,5	-7,4	-5,1	-5,8	-3,8	-3,5
Leather and leather products	5,6	6,7	-1,3	2,4	-7,0	-8,3
Footwear	0,0	11,1	9,8	12,6	12,7	7,9
Wood and wood products, paper, publishing and printing	3,7	0,9	4,7	8,3	8,2	7,4
Sawmilling and planing of wood	13,7	2,7	-5,1	7,8	-2,8	-7,4
Products of wood	8,2	5,2	4,2	7,3	3,9	9,9
Paper and paper products	5,8	2,8	6,4	9,0	14,8	11,2
Publishing	-9,4	-11,3	-0,7	6,0	0,1	-0,4
Printing, recorded media	-0,1	-0,5	8,1	9,1	5,4	6,8
Petroleum, chemical products, rubber and plastic products	3,3	8,5	6,4	13,1	9,1	10,0
Coke, petroleum products and nuclear fuel	6,7	13,1	10,9	28,3	18,5	24,8
Basic chemicals	-5,9	8,6	9,5	5,8	4,4	-3,0
Other chemical products	6,1	7,4	3,1	4,8	0,4	3,4
Rubber products	3,1	2,4	-7,7	4,1	1,8	4,2
Plastic products	3,1	1,9	2,8	9,3	15,7	14,9
Glass and non-metallic mineral products	9,7	5,5	1,0	1,8	1,0	-1,8
Glass and glass products	29,7	14,0	10,4	6,2	4,1	-1,1
Non-metallic mineral products	6,6	4,0	-0,6	1,1	0,3	-2,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	1,5	6,9	7,9	18,1	13,8	13,7
Basic iron and steel products	-12,8	8,9	12,0	22,1	7,9	17,6
Non-ferrous metal products	11,4	11,7	20,4	32,9	34,0	24,5
Structural metal products	-1,0	8,4	-5,9	11,7	8,4	0,9
Other fabricated metal products	12,6	7,1	1,3	12,6	9,6	7,0
General purpose machinery	1,0	-0,1	8,5	7,3	2,5	1,8
Special purpose machinery	4,9	-3,5	-5,1	6,3	7,3	10,7
Household appliances	8,9	10,7	0,3	3,0	5,5	3,4
Electrical machinery	7,0	0,0	-3,7	-0,5	-0,3	0,7
Radio, television and communication apparatus and professional equipment	-16,6	-1,5	-5,3	-3,1	-1,5	-7,8
Radio, television and communication apparatus	-8,3	-1,0	-5,8	-6,8	-7,3	-9,6
Professional equipment	-24,5	-1,9	-4,7	2,0	8,2	-5,0
Motor vehicles, parts and accessories and other transport equipment	8,3	15,2	3,7	10,5	3,8	15,8
Motor vehicles	14,0	18,8	10,2	11,5	1,9	28,7
Bodies for motor vehicles, trailers and semi-trailers	13,6	5,3	7,0	22,2	15,6	7,2
Parts and accessories	8,5	9,5	-1,5	7,1	8,9	8,0
Other transport equipment	-16,5	17,3	-11,8	9,6	-3,2	-19,1
Furniture and other manufacturing	14,2	3,0	13,4	18,3	16,8	7,6
Furniture	1,1	0,1	0,5	-6,1	-6,1	-9,7
Other manufacturing groups	17,8	3,7	16,6	25,1	23,4	12,1
Total	4,5	6,8	4,8	10,9	8,2	9,0

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

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

Manufacturing division and major group	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Month-on-month % change
Food and beverages	43 751	44 108	44 067	45 636	44 542	-2,4
Meat, fish, fruit, etc.	12 189	12 311	12 173	12 344	12 646	2,4
Dairy products	3 854	3 894	3 802	3 883	3 861	-0,6
Grain mill products	5 963	6 030	6 111	6 132	6 246	1,9
Other food products	9 424	9 528	9 594	10 896	9 233	-15,3
Beverages	12 321	12 345	12 388	12 381	12 556	1,4
Textiles, clothing, leather and footwear	4 747	4 670	4 713	4 711	4 767	1,2
Textiles	579	617	609	595	599	0,7
Other textile products	1 421	1 336	1 371	1 365	1 422	4,2
Knitted, crocheted articles	215	223	226	222	221	-0,5
Wearing apparel	1 481	1 474	1 487	1 515	1 492	-1,5
Leather and leather products	609	585	582	573	583	1,7
Footwear	444	435	438	442	450	1,8
Wood and wood products, paper, publishing and printing	14 066	14 231	14 529	14 678	14 648	-0,2
Sawmilling and planing of wood	1 043	980	1 000	1 019	965	-5,3
Products of wood	2 136	2 223	2 127	2 143	2 211	3,2
Paper and paper products	6 733	6 705	6 897	7 186	7 059	-1,8
Publishing	1 570	1 653	1 782	1 693	1 657	-2,1
Printing, recorded media	2 583	2 670	2 724	2 637	2 755	4,5
Petroleum, chemical products, rubber and plastic products	40 444	40 220	41 916	41 045	42 655	3,9
Coke, petroleum products and nuclear fuel	13 044	13 004	14 551	14 281	15 265	6,9
Basic chemicals	8 919	8 786	8 590	8 270	8 126	-1,7
Other chemical products	11 508	11 411	11 582	11 142	11 777	5,7
Rubber products	1 372	1 306	1 378	1 365	1 399	2,5
Plastic products	5 602	5 714	5 816	5 987	6 089	1,7
Glass and non-metallic mineral products	5 602	5 481	5 510	5 419	5 404	-0,3
Glass and glass products	968	931	900	911	888	-2,5
Non-metallic mineral products	4 634	4 550	4 611	4 508	4 516	0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	42 155	42 529	45 126	44 576	45 231	1,5
Basic iron and steel products	11 445	11 595	12 565	11 872	12 661	6,6
Non-ferrous metal products	11 123	11 576	12 364	12 567	12 405	-1,3
Structural metal products	2 959	2 882	3 073	2 960	2 916	-1,5
Other fabricated metal products	6 567	6 391	6 665	6 715	6 585	-1,9
General purpose machinery	3 613	3 566	3 647	3 537	3 508	-0,8
Special purpose machinery	5 248	5 365	5 636	5 749	5 961	3,7
Household appliances	1 200	1 154	1 177	1 176	1 195	1,6
Electrical machinery	4 578	4 437	4 422	4 517	4 497	-0,4
Radio, television and communication apparatus and professional equipment	2 176	2 042	2 077	2 043	1 972	-3,5
Radio, television and communication apparatus	1 271	1 181	1 160	1 154	1 127	-2,3
Professional equipment	904	860	917	889	845	-4,9
Motor vehicles, parts and accessories and other transport equipment	27 244	25 935	26 474	25 950	31 038	19,6
Motor vehicles	15 527	14 969	14 846	14 387	19 216	33,6
Bodies for motor vehicles, trailers and semi-trailers	1 094	1 099	1 155	1 092	1 115	2,1
Parts and accessories	7 463	7 043	7 395	7 631	8 029	5,2
Other transport equipment	3 161	2 824	3 078	2 840	2 678	-5,7
Furniture and other manufacturing	7 423	7 689	7 788	7 770	7 459	-4,0
Furniture	1 424	1 389	1 341	1 379	1 322	-4,1
Other manufacturing groups	5 999	6 300	6 447	6 392	6 137	-4,0
Total	192 186	191 342	196 622	196 345	202 213	3,0

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 *Standard Industrial Classification of all Economic Activities* (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 *International Standard Industrial Classification of all Economic Activities* (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 September 2018 was 88,2%. The improved collection rate for August 2018 was 89,7%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
- Revised figures**
- 11 Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.

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

Technical notes

Survey methodology and design

- 1 The survey is conducted monthly. Questionnaires are sent to a sample of 3 083 enterprises from a population of 50 191 manufacturing enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up on non-respondents.
- 2 A stratified random sample was drawn at the Standard Industrial Classification (SIC) three-digit level in April 2018 from Stats SA's business sampling frame (BSF). Strata were formed using a combination of the SIC and the measure of size classes for enterprises (see point 3 below).

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

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

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

Class limits

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

Measure of size classes (Rand)

Enterprise size	Size group	Lower limits	Upper limits
Very small	4	1 842 288	15 000 000
Small	3	15 000 001	39 000 000
Medium	2	39 000 001	153 000 000
Large	1	153 000 001	

Sample weighting

- 4 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures are consistent with international best practice.

Index of the volume of manufacturing production

- 5 The index of the volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group

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

Calculation of production index

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

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

Index weighting

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

Period	Source
1998 to 2000	1996 Census of manufacturing
2001 to 2004	2001 LSS
2005 to 2009	2005 LSS
2010 to 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		
	2014 (based on value added for 2013 – 2014)	2015 (based on value added for 2013 – 2015)	2016 – 2018 (based on value added for 2014 – 2016)
Food and beverages	24,72	25,15	25,78
Meat, fish, fruit, etc.	6,26	6,39	6,59
Dairy products	1,84	1,89	2,00
Grain mill products	2,75	2,86	3,12
Other food products	7,61	7,62	7,74
Beverages	6,26	6,39	6,33
Textiles, clothing, leather and footwear	3,33	3,28	3,21
Textiles	0,86	0,83	0,80
Other textile products	0,40	0,41	0,41
Knitted, crocheted articles	0,09	0,09	0,09
Wearing apparel	1,12	1,10	1,08
Leather and leather products	0,50	0,49	0,48
Footwear	0,36	0,36	0,35
Wood and wood products, paper, publishing and printing	11,73	11,62	11,28
Sawmilling and planing of wood	1,70	1,71	1,69
Products of wood	2,29	2,37	2,42
Paper and paper products	4,44	4,33	4,09
Publishing	1,52	1,49	1,45
Printing, recorded media	1,78	1,72	1,63
Petroleum, chemical products, rubber and plastic products	24,04	24,01	23,82
Coke, petroleum products and nuclear fuel	9,34	9,29	9,18
Basic chemicals	4,26	4,36	4,41
Other chemical products	6,11	6,16	6,15
Rubber products	1,37	1,34	1,30
Plastic products	2,96	2,86	2,78
Glass and non-metallic mineral products	4,14	3,90	3,53
Glass and glass products	0,78	0,74	0,69
Non-metallic mineral products	3,36	3,16	2,84
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	18,72	18,74
Basic iron and steel products	3,27	3,44	3,52
Non-ferrous metal products (including precious metals)	2,93	2,73	2,60
Structural metal products	1,83	1,86	1,92
Other fabricated metal products	3,86	3,86	3,84
General purpose machinery	2,46	2,51	2,57
Special purpose machinery	3,52	3,51	3,50
Household appliances	0,82	0,81	0,79
Electrical machinery	1,65	1,65	1,63
Radio, television and communication apparatus and professional equipment	1,63	1,61	1,59
Radio, television and communication apparatus	0,96	0,93	0,92
Professional equipment	0,67	0,68	0,67
Motor vehicles, parts and accessories and other transport equipment	6,91	6,86	7,20
Motor vehicles	2,44	2,43	2,60
Bodies for motor vehicles, trailers and semi-trailers	0,49	0,46	0,48
Parts and accessories	2,78	2,76	2,89
Other transport equipment	1,20	1,21	1,23
Furniture and other manufacturing	3,16	3,20	3,22
Furniture	1,07	1,09	1,08
Other manufacturing groups	2,09	2,11	2,14
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

General information

Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English.

Stats SA has copyright on this publication. Users may apply the information as they wish, provided that they acknowledge Stats SA as the source of the basic data wherever they process, apply, utilise, publish or distribute the data; and also that they specify that the relevant application and analysis (where applicable) result from their own processing of the data.

Advance release calendar

An advance release calendar is disseminated on www.statssa.gov.za

Stats SA products

A complete set of Stats SA publications is available at the Stats SA Library and the following libraries:

National Library of South Africa, Pretoria Division
National Library of South Africa, Cape Town Division
Natal Society Library, Pietermaritzburg
Library of Parliament, Cape Town
Bloemfontein Public Library
Johannesburg Public Library
Eastern Cape Library Services, King William's Town
Central Regional Library, Polokwane
Central Reference Library, Mbombela
Central Reference Collection, Kimberley
Central Reference Library, Mmabatho

Stats SA also provides a subscription service.

Electronic services

A large range of data is available via online services. For more details about our electronic data services, contact Stats SA's user information service at (012) 310 8600.

You can visit us on the Internet at: www.statssa.gov.za

General enquiries

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

Postal address Private Bag X44, Pretoria, 0001

Produced by Stats SA