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Production: results for October 2017

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

	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17
Year-on-year % change, unadjusted	-1,0	-2,1	-1,3	1,8	-1,7	2,2
Month-on-month % change, seasonally adjusted	-0,6	-0,1	1,3	0,4	-1,0	0,7
3-month % change, seasonally adjusted ¹	-0,4	0,8	1,0	1,1	0,9	0,8

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

Manufacturing production increased by 2,2% in October 2017 compared with October 2016. This increase was mainly due to higher production in the following divisions:

- food and beverages (7,3% and contributing 1,8 percentage points); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (5,8% and contributing 1,1 percentage points) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 0,7% in October 2017 compared with September 2017. This followed month-on-month changes of -1,0% in September 2017 and 0,4% in August 2017 – see Table A.

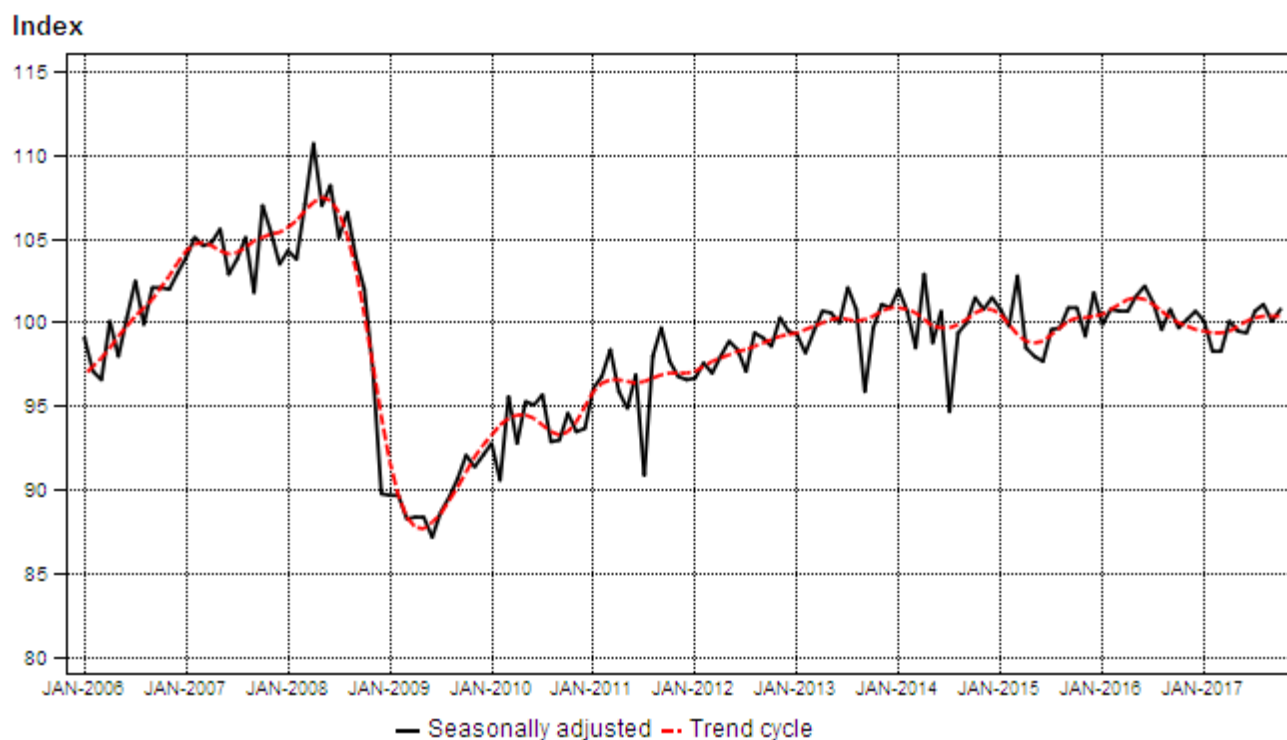
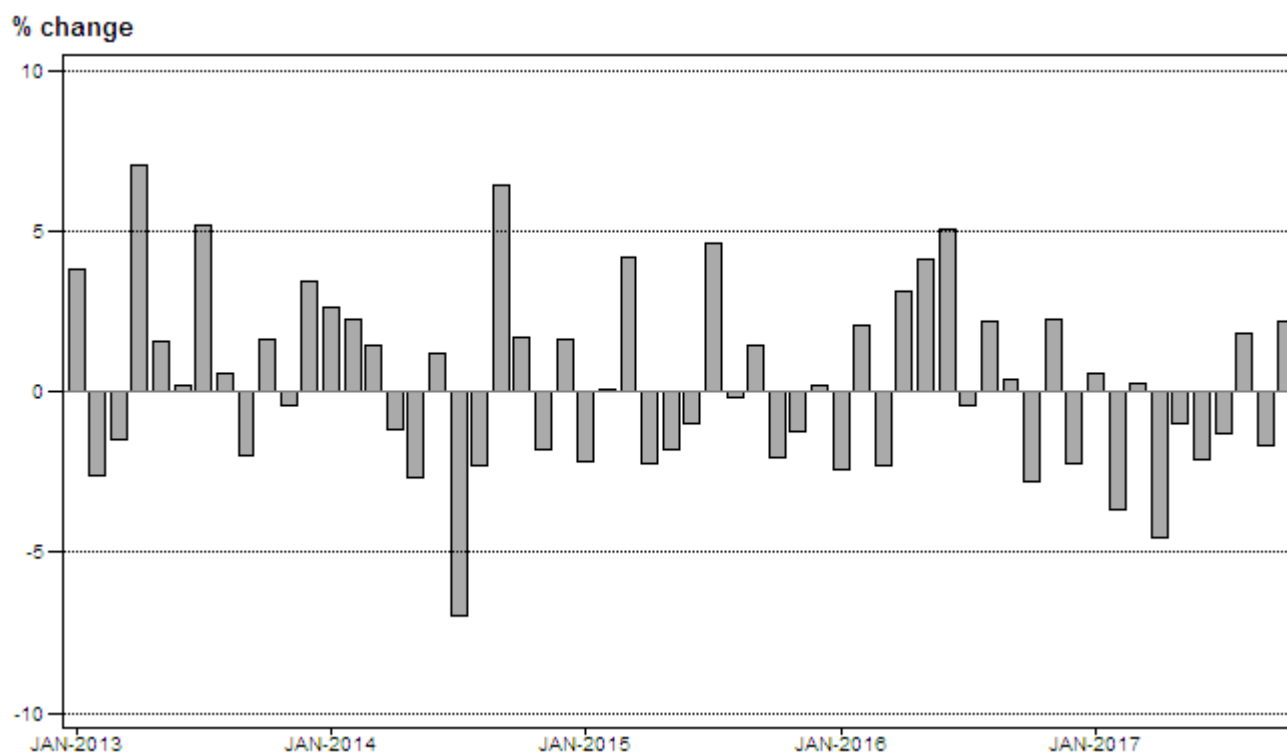
Seasonally adjusted manufacturing production increased by 0,8% in the three months ended October 2017 compared with the previous three months.

Only two of the ten manufacturing divisions reported positive growth rates in the three months ended October 2017 compared with the previous three months:

- petroleum, chemical products, rubber and plastic products (4,3% and contributing 1,0 percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (0,7% and contributing 0,1 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	May – Jul 2017	Aug – Oct 2017	% change between May – Jul 2017 and Aug – Oct 2017	Contribution (% points) to the total % change
Food and beverages	25,15	101,6	101,6	0,0	0,0
Meat, fish, fruit, etc.	6,39	98,5	98,1	-0,4	0,0
Dairy products	1,89	100,6	100,4	-0,2	0,0
Grain mill products	2,86	95,0	94,4	-0,6	0,0
Other food products	7,62	106,4	108,2	1,7	0,1
Beverages	6,39	102,1	100,8	-1,3	-0,1
Textiles, clothing, leather and footwear	3,28	95,2	94,0	-1,3	0,0
Textiles	0,83	110,7	107,2	-3,2	0,0
Other textile products	0,41	99,9	102,8	2,9	0,0
Knitted, crocheted articles	0,09	94,6	96,0	1,5	0,0
Wearing apparel	1,10	89,3	85,9	-3,8	0,0
Leather and leather products	0,49	83,1	87,3	5,1	0,0
Footwear	0,36	88,8	86,7	-2,4	0,0
Wood and wood products, paper, publishing and printing	11,62	99,5	99,1	-0,4	0,0
Sawmilling and planing of wood	1,71	109,8	114,5	4,3	0,1
Products of wood	2,37	101,0	102,0	1,0	0,0
Paper and paper products	4,33	97,9	96,1	-1,8	-0,1
Publishing	1,49	93,5	90,3	-3,4	0,0
Printing, recorded media	1,72	96,7	94,8	-2,0	0,0
Petroleum, chemical products, rubber and plastic products	24,01	97,0	101,2	4,3	1,0
Coke, petroleum products and nuclear fuel	9,29	89,4	104,6	17,0	1,4
Basic chemicals	4,36	102,0	100,1	-1,9	-0,1
Other chemical products	6,16	103,2	97,9	-5,1	-0,3
Rubber products	1,34	101,1	100,8	-0,3	0,0
Plastic products	2,86	98,8	98,8	0,0	0,0
Glass and non-metallic mineral products	3,90	96,5	96,4	-0,1	0,0
Glass and glass products	0,74	100,8	101,7	0,9	0,0
Non-metallic mineral products	3,16	95,5	95,2	-0,3	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	103,2	103,9	0,7	0,1
Basic iron and steel products	3,44	108,2	115,3	6,6	0,2
Non-ferrous metal products	2,73	108,5	106,7	-1,7	0,0
Structural metal products	1,86	94,6	88,0	-7,0	-0,1
Other fabricated metal products	3,86	102,9	101,3	-1,6	-0,1
General purpose machinery	2,51	97,0	96,2	-0,8	0,0
Special purpose machinery	3,51	107,2	110,8	3,4	0,1
Household appliances	0,81	87,2	90,1	3,3	0,0
Electrical machinery	1,65	91,2	90,5	-0,8	0,0
Radio, television and communication apparatus and professional equipment	1,61	105,9	99,8	-5,8	-0,1
Radio, television and communication	0,93	112,0	106,0	-5,4	-0,1
Professional equipment	0,68	97,7	91,3	-6,6	0,0
Motor vehicles, parts and accessories and other transport equipment	6,86	99,9	99,4	-0,5	0,0
Motor vehicles	2,43	99,2	93,0	-6,3	-0,2
Bodies for motor vehicles, trailers and semi-	0,46	100,7	108,5	7,7	0,0
Parts and accessories	2,76	102,5	105,6	3,0	0,1
Other transport equipment	1,21	95,3	94,5	-0,8	0,0
Furniture and other manufacturing	3,20	100,2	96,9	-3,3	-0,1
Furniture	1,09	92,4	93,9	1,6	0,0
Other manufacturing groups	2,11	104,2	98,4	-5,6	-0,1
Total	100	99,9	100,7	0,8	0,8

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 October 2017

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

	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17
Year-on-year % change, unadjusted	3,5	3,3	2,3	5,5	2,4	7,7
Month-on-month % change, seasonally adjusted	1,3	-0,1	0,3	1,5	-0,6	0,8
3-month % change, seasonally adjusted ¹	1,5	2,0	2,4	1,9	1,5	1,6

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

Seasonally adjusted manufacturing sales increased by 0,8% in October 2017 compared with September 2017. This followed month-on-month changes of -0,6% in September 2017 and 1,5% in August 2017 – see Table C.

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

Manufacturing division	May – Jul 2017 (R million)	Aug – Oct 2017 (R million)	% change between May – Jul 2017 and Aug – Oct 2017	Contribution (% points) to the total % change
Food and beverages	128 078	129 770	1,3	0,3
Textiles, clothing, leather and footwear	14 118	14 441	2,3	0,1
Wood and wood products, paper, publishing and printing	39 347	39 336	0,0	0,0
Petroleum, chemical products, rubber and plastic products	111 962	112 984	0,9	0,2
Glass and non-metallic mineral products	16 130	16 137	0,0	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	112 591	116 402	3,4	0,7
Electrical machinery	13 850	13 461	-2,8	-0,1
Radio, television and communication apparatus and professional equipment	6 764	6 363	-5,9	-0,1
Motor vehicles, parts and accessories and other transport equipment	72 514	75 346	3,9	0,5
Furniture and other manufacturing	20 171	19 624	-2,7	-0,1
Total	535 526	543 866	1,6	1,6

Risenga Maluleke
Statistician-General

Tables

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

Month	2011	2012	2013	2014	2015	2016	2017 ¹
Jan	81,4	83,4	86,6	88,9	87,0	84,9	85,4
Feb	92,3	95,9	93,4	95,5	95,6	97,6	94,0
Mar	102,6	99,7	98,2	99,6	103,8	101,4	101,7
Apr	87,7	89,3	95,6	94,5	92,4	95,3	91,0
May	95,3	100,3	101,9	99,2	97,4	101,4	100,4
Jun	97,8	98,4	98,6	99,8	98,8	103,8	101,6
Jul	92,8	99,6	104,8	97,5	102,0	101,6	100,3
Aug	101,2	103,2	103,8	101,4	101,2	103,4	105,3
Sep	103,6	101,1	99,1	105,5	107,0	107,4	105,6
Oct	106,0	109,5	111,3	113,2	110,9	107,8	110,2
Nov	109,4	113,6	113,1	111,1	109,7	112,2	
Dec	87,7	89,3	92,4	93,9	94,1	92,0	
Total	96,5	98,6	99,9	100,0	100,0	100,7	

¹ The latest three months are preliminary.

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

Month	2012	2013	2014	2015	2016	2017	2017 year-to-date
Jan	2,5	3,8	2,7	-2,1	-2,4	0,6	0,6
Feb	3,9	-2,6	2,2	0,1	2,1	-3,7	-1,7
Mar	-2,8	-1,5	1,4	4,2	-2,3	0,3	-1,0
Apr	1,8	7,1	-1,2	-2,2	3,1	-4,5	-1,9
May	5,2	1,6	-2,6	-1,8	4,1	-1,0	-1,7
Jun	0,6	0,2	1,2	-1,0	5,1	-2,1	-1,8
Jul	7,3	5,2	-7,0	4,6	-0,4	-1,3	-1,7
Aug	2,0	0,6	-2,3	-0,2	2,2	1,8	-1,2
Sep	-2,4	-2,0	6,5	1,4	0,4	-1,7	-1,3
Oct	3,3	1,6	1,7	-2,0	-2,8	2,2	-0,9
Nov	3,8	-0,4	-1,8	-1,3	2,3		
Dec	1,8	3,5	1,6	0,2	-2,2		
Total	2,2	1,3	0,1	0,0	0,7		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2015=100)				Month-on-month % change			
	2014	2015	2016	2017	2014	2015	2016	2017
Jan	102,0	100,8	99,9	100,1	1,1	-0,7	-1,9	-0,6
Feb	100,7	99,8	100,8	98,3	-1,3	-1,0	0,9	-1,8
Mar	98,5	102,8	100,7	98,3	-2,2	3,0	-0,1	0,0
Apr	102,9	98,5	100,7	100,1	4,5	-4,2	0,0	1,8
May	98,8	98,0	101,6	99,5	-4,0	-0,5	0,9	-0,6
Jun	100,7	97,7	102,2	99,4	1,9	-0,3	0,6	-0,1
Jul	94,7	99,6	101,2	100,7	-6,0	1,9	-1,0	1,3
Aug	99,4	99,7	99,6	101,1	5,0	0,1	-1,6	0,4
Sep	100,0	100,9	100,8	100,1	0,6	1,2	1,2	-1,0
Oct	101,5	100,9	99,7	100,8	1,5	0,0	-1,1	0,7
Nov	100,8	99,2	100,2		-0,7	-1,7	0,5	
Dec	101,5	101,8	100,7		0,7	2,6	0,5	

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

Manufacturing division and major group	Weights	May-17	Jun-17	Jul-17	¹ Aug-17	¹ Sep-17	¹ Oct-17
Food and beverages	25,15	101,3	102,0	97,8	106,9	107,3	111,7
Meat, fish, fruit, etc.	6,39	101,3	99,9	95,0	101,5	100,0	100,2
Dairy products	1,89	93,6	92,0	93,2	101,7	102,8	112,3
Grain mill products	2,86	97,5	96,8	97,0	98,4	93,9	97,8
Other food products	7,62	110,3	117,5	111,7	123,6	121,7	125,7
Beverages	6,39	94,5	91,1	85,7	97,8	104,9	112,4
Textiles, clothing, leather and footwear	3,28	97,9	91,8	96,5	96,5	100,1	109,8
Textiles	0,83	118,2	109,0	112,4	108,1	111,5	122,7
Other textile products	0,41	104,4	102,9	100,7	100,6	112,7	116,8
Knitted, crocheted articles	0,09	103,1	91,7	104,2	95,2	97,6	101,3
Wearing apparel	1,10	88,7	79,2	97,8	93,1	93,3	104,4
Leather and leather products	0,49	88,6	88,4	68,1	87,2	88,0	97,0
Footwear	0,36	83,6	82,6	87,6	88,5	97,5	108,1
Wood and wood products, paper, publishing and printing	11,62	98,6	100,7	98,3	102,4	106,7	108,9
Sawmilling and planing of wood	1,71	114,9	110,8	114,7	115,5	112,1	129,3
Products of wood	2,37	96,8	108,1	101,4	108,0	108,5	118,5
Paper and paper products	4,33	97,2	100,4	92,7	96,9	109,1	97,0
Publishing	1,49	90,6	90,3	90,5	99,3	98,7	99,5
Printing, recorded media	1,72	95,7	90,2	98,5	98,1	99,8	113,6
Petroleum, chemical products, rubber and plastic products	24,01	95,1	96,3	99,6	103,9	102,7	110,9
Coke, petroleum products and nuclear fuel	9,29	83,8	83,5	101,0	105,0	100,6	108,3
Basic chemicals	4,36	105,6	100,8	100,6	103,0	104,9	116,9
Other chemical products	6,16	102,9	109,0	96,5	104,0	104,1	107,0
Rubber products	1,34	108,3	108,7	99,9	104,6	97,4	115,6
Plastic products	2,86	92,7	98,2	99,8	101,4	105,5	116,4
Glass and non-metallic mineral products	3,90	102,0	103,3	101,6	105,1	103,7	112,3
Glass and glass products	0,74	94,8	99,7	103,5	109,6	113,3	116,5
Non-metallic mineral products	3,16	103,7	104,1	101,2	104,1	101,4	111,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	106,0	106,1	104,9	107,5	106,3	111,4
Basic iron and steel products	3,44	122,2	102,0	107,9	110,5	113,2	117,2
Non-ferrous metal products	2,73	105,2	110,6	114,6	111,3	104,7	109,5
Structural metal products	1,86	92,3	108,9	94,1	92,6	94,4	94,2
Other fabricated metal products	3,86	109,1	106,8	105,7	110,3	105,1	114,8
General purpose machinery	2,51	100,4	100,4	96,7	101,9	98,3	110,1
Special purpose machinery	3,51	102,6	112,9	108,9	114,4	116,3	116,8
Household appliances	0,81	88,5	86,7	89,5	89,3	97,2	97,3
Electrical machinery	1,65	93,3	100,1	92,7	93,9	97,1	96,2
Radio, television and communication apparatus and professional equipment	1,61	104,1	98,7	106,8	108,6	110,9	105,5
Radio, television and communication apparatus	0,93	103,5	102,3	113,8	124,0	120,0	113,4
Professional equipment	0,68	105,0	93,8	97,3	87,7	98,6	94,8
Motor vehicles, parts and accessories and other transport equipment	6,86	104,6	112,2	102,7	110,8	111,5	102,0
Motor vehicles	2,43	106,5	111,6	108,2	109,6	106,5	97,5
Bodies for motor vehicles, trailers and semi-trailers	0,46	109,4	108,3	103,1	116,1	112,4	120,3
Parts and accessories	2,76	113,1	107,8	106,2	118,4	112,3	108,4
Other transport equipment	1,21	79,8	124,9	83,5	94,0	119,6	89,7
Furniture and other manufacturing	3,20	101,6	102,6	103,3	102,5	103,3	115,4
Furniture	1,09	94,7	90,4	95,2	106,0	97,4	117,2
Other manufacturing groups	2,11	105,1	108,9	107,5	100,6	106,3	114,5
Total	100	100,4	101,6	100,3	105,3	105,6	110,2

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	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17
Food and beverages	2,6	2,0	0,5	1,9	1,2	7,3
Meat, fish, fruit, etc.	-1,1	-1,2	-1,1	2,4	0,1	-0,2
Dairy products	5,4	5,1	-0,4	5,5	1,7	7,1
Grain mill products	-5,7	-7,5	-1,7	-3,2	-7,6	-4,2
Other food products	9,8	7,7	4,7	2,6	9,2	14,0
Beverages	0,7	1,7	-2,3	2,0	-3,9	11,2
Textiles, clothing, leather and footwear	-1,2	-6,0	-4,9	-3,0	-6,2	-3,3
Textiles	10,5	5,1	10,5	5,4	-4,0	1,8
Other textile products	-2,9	1,4	-5,7	-2,8	-2,7	1,9
Knitted, crocheted articles	-4,8	-4,5	-0,2	12,0	-0,1	-5,7
Wearing apparel	-5,0	-14,8	-9,2	-7,3	-8,5	-7,5
Leather and leather products	-6,9	-13,8	-8,5	-1,7	-5,3	-0,7
Footwear	-9,1	-5,4	-22,1	-14,7	-11,0	-11,0
Wood and wood products, paper, publishing and printing	-3,0	-4,3	-4,7	-1,3	-7,2	-2,9
Sawmilling and planing of wood	-3,3	1,4	0,3	5,7	-1,4	9,2
Products of wood	-5,7	2,3	-0,3	-0,1	-4,2	-2,8
Paper and paper products	-0,4	-6,3	-6,9	-2,3	-9,5	-2,6
Publishing	-4,6	-12,1	-8,0	0,1	-8,7	-10,4
Printing, recorded media	-4,1	-7,8	-8,6	-8,9	-9,5	-9,3
Petroleum, chemical products, rubber and plastic products	-8,4	-10,0	-6,2	-1,0	-2,1	-0,8
Coke, petroleum products and nuclear fuel	-21,0	-21,5	-9,4	1,4	3,0	2,1
Basic chemicals	0,7	-12,7	-1,6	-1,1	-6,6	-1,7
Other chemical products	-0,9	0,4	-7,8	-5,7	-6,0	-6,7
Rubber products	-1,3	6,0	-4,0	6,8	-3,1	5,1
Plastic products	1,3	3,7	0,2	-0,5	-0,8	2,0
Glass and non-metallic mineral products	-1,7	-2,5	-1,9	1,2	-5,6	4,5
Glass and glass products	-11,9	-7,8	8,2	0,6	1,7	2,2
Non-metallic mineral products	0,8	-1,3	-4,0	1,4	-7,3	5,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	5,8	3,7	6,9	11,2	3,4	5,8
Basic iron and steel products	0,6	-7,7	9,5	24,4	12,1	7,7
Non-ferrous metal products	5,4	9,1	16,8	9,5	2,1	4,4
Structural metal products	-5,1	8,6	2,7	-1,2	-7,7	-6,5
Other fabricated metal products	4,3	1,7	0,9	2,4	-6,3	1,0
General purpose machinery	9,1	-4,1	4,5	2,0	-1,4	3,8
Special purpose machinery	19,9	19,2	7,3	27,0	18,8	19,2
Household appliances	2,5	-0,5	10,4	3,0	-0,6	6,5
Electrical machinery	-4,2	-3,9	-6,6	-0,4	-10,3	-1,6
Radio, television and communication apparatus and professional equipment	9,6	-11,2	-0,2	-5,0	-5,7	-13,0
Radio, television and communication apparatus	11,5	-9,8	1,3	5,8	1,1	-13,2
Professional equipment	7,1	-13,4	-2,5	-20,5	-15,1	-12,7
Motor vehicles, parts and accessories and other transport equipment	-2,7	1,5	-2,9	0,6	-4,0	2,6
Motor vehicles	-5,7	9,5	0,7	-3,6	0,0	-3,2
Bodies for motor vehicles, trailers and semi-trailers	8,1	4,9	-0,4	12,3	6,2	13,2
Parts and accessories	0,8	-0,6	-8,0	2,9	-5,0	3,2
Other transport equipment	-9,6	-7,6	2,3	-0,1	-10,9	9,9
Furniture and other manufacturing	0,7	5,2	1,9	-5,0	-4,9	-1,2
Furniture	4,0	-0,1	-3,7	2,3	-8,5	-3,1
Other manufacturing groups	-0,8	7,7	4,7	-8,5	-3,1	-0,2
Total	-1,0	-2,1	-1,3	1,8	-1,7	2,2

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

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	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Month-on-month % change
Food and beverages	25,15	101,9	101,5	100,9	101,8	102,1	0,3
Meat, fish, fruit, etc.	6,39	98,6	98,2	99,1	98,5	96,8	-1,7
Dairy products	1,89	99,9	100,3	101,4	97,9	101,8	4,0
Grain mill products	2,86	93,9	96,3	95,0	93,9	94,3	0,4
Other food products	7,62	107,5	106,2	104,7	109,7	110,2	0,5
Beverages	6,39	102,8	101,7	100,6	100,3	101,5	1,2
Textiles, clothing, leather and footwear	3,28	93,0	96,3	94,3	93,7	93,9	0,2
Textiles	0,83	104,9	116,7	106,1	105,8	109,6	3,6
Other textile products	0,41	99,3	100,3	102,1	104,6	101,7	-2,8
Knitted, crocheted articles	0,09	94,2	96,5	101,4	95,9	90,7	-5,4
Wearing apparel	1,10	86,1	90,3	87,9	85,9	83,9	-2,3
Leather and leather products	0,49	84,1	79,0	86,9	86,6	88,5	2,2
Footwear	0,36	91,2	86,6	86,2	86,3	87,5	1,4
Wood and wood products, paper, publishing and printing	11,62	99,5	98,2	99,8	98,2	99,3	1,1
Sawmilling and planing of wood	1,71	107,5	110,9	113,1	111,7	118,6	6,2
Products of wood	2,37	102,9	101,6	102,5	101,2	102,3	1,1
Paper and paper products	4,33	97,4	95,6	96,7	95,8	95,9	0,1
Publishing	1,49	93,6	90,7	94,5	89,8	86,7	-3,5
Printing, recorded media	1,72	97,2	94,2	95,6	93,7	95,2	1,6
Petroleum, chemical products, rubber and plastic products	24,01	95,3	100,4	101,3	99,5	102,7	3,2
Coke, petroleum products and nuclear fuel	9,29	83,5	101,0	105,0	100,6	108,3	7,7
Basic chemicals	4,36	101,2	100,1	99,0	100,2	101,2	1,0
Other chemical products	6,16	104,5	100,7	98,4	98,8	96,6	-2,2
Rubber products	1,34	104,1	98,1	103,4	96,2	102,8	6,9
Plastic products	2,86	100,3	99,5	98,1	98,1	100,3	2,2
Glass and non-metallic mineral products	3,90	96,7	96,3	96,7	94,7	97,8	3,3
Glass and glass products	0,74	100,4	100,3	102,2	102,1	100,7	-1,4
Non-metallic mineral products	3,16	95,8	95,3	95,4	93,0	97,1	4,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	102,5	104,6	104,5	103,2	104,1	0,9
Basic iron and steel products	3,44	101,7	113,9	114,7	115,7	115,5	-0,2
Non-ferrous metal products	2,73	109,0	113,7	108,2	105,9	106,0	0,1
Structural metal products	1,86	99,4	93,2	89,1	89,3	85,7	-4,0
Other fabricated metal products	3,86	102,3	102,5	103,6	98,2	102,1	4,0
General purpose machinery	2,51	97,1	95,5	95,1	95,3	98,2	3,0
Special purpose machinery	3,51	108,1	106,7	111,3	109,8	111,4	1,5
Household appliances	0,81	85,3	89,4	88,2	93,7	88,5	-5,5
Electrical machinery	1,65	90,7	90,9	92,8	88,3	90,5	2,5
Radio, television and communication apparatus and professional equipment	1,61	100,4	106,9	103,3	101,6	94,4	-7,1
Radio, television and communication apparatus	0,93	108,6	111,5	111,0	108,9	98,1	-9,9
Professional equipment	0,68	89,2	100,6	92,9	91,7	89,3	-2,6
Motor vehicles, parts and accessories and other transport equipment	6,86	102,3	99,5	103,0	100,7	94,4	-6,3
Motor vehicles	2,43	101,6	99,1	95,4	96,7	86,8	-10,2
Bodies for motor vehicles, trailers and semi-trailers	0,46	99,7	101,0	109,2	108,7	107,7	-0,9
Parts and accessories	2,76	104,5	101,4	112,0	103,9	100,9	-2,9
Other transport equipment	1,21	99,8	95,2	95,3	98,5	89,8	-8,8
Furniture and other manufacturing	3,20	99,3	98,5	97,6	96,5	96,5	0,0
Furniture	1,09	91,3	91,0	100,7	89,4	91,7	2,6
Other manufacturing groups	2,11	103,4	102,3	96,1	100,1	99,0	-1,1
Total	100	99,4	100,7	101,1	100,1	100,8	0,7

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

Month	2011	2012	2013	2014	2015	2016	2017 ¹
Jan	99 651	110 851	120 410	134 525	133 730	137 841	148 118
Feb	115 892	130 318	136 580	151 473	148 643	160 942	163 412
Mar	131 030	138 289	142 666	156 916	167 548	169 986	183 141
Apr	112 158	121 813	138 227	148 760	147 565	160 803	158 508
May	122 027	135 205	146 358	153 484	158 509	173 551	179 622
Jun	126 954	135 655	144 271	161 528	163 515	177 603	183 539
Jul	117 444	132 495	151 553	151 058	164 049	171 324	175 259
Aug	130 032	139 669	149 163	161 892	162 095	177 560	187 298
Sep	138 165	136 810	145 373	168 492	172 905	184 969	189 428
Oct	139 095	149 849	162 067	181 689	179 213	184 382	198 502
Nov	144 755	158 942	168 049	176 621	180 154	196 523	
Dec	121 978	127 874	145 135	153 198	156 484	163 764	
Total	1 499 181	1 617 770	1 749 852	1 899 636	1 934 410	2 059 248	

¹ The latest three months are preliminary.

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

Month	2012	2013	2014	2015	2016	2017	2017 year-to-date
Jan	11,2	8,6	11,7	-0,6	3,1	7,5	7,5
Feb	12,4	4,8	10,9	-1,9	8,3	1,5	4,3
Mar	5,5	3,2	10,0	6,8	1,5	7,7	5,5
Apr	8,6	13,5	7,6	-0,8	9,0	-1,4	3,7
May	10,8	8,2	4,9	3,3	9,5	3,5	3,7
Jun	6,9	6,4	12,0	1,2	8,6	3,3	3,6
Jul	12,8	14,4	-0,3	8,6	4,4	2,3	3,4
Aug	7,4	6,8	8,5	0,1	9,5	5,5	3,7
Sep	-1,0	6,3	15,9	2,6	7,0	2,4	3,5
Oct	7,7	8,2	12,1	-1,4	2,9	7,7	4,0
Nov	9,8	5,7	5,1	2,0	9,1		
Dec	4,8	13,5	5,6	2,1	4,7		
Total	7,9	8,2	8,6	1,8	6,5		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2014	2015	2016	2017	2014	2015	2016	2017
Jan	156 061	158 118	165 224	175 346	1,1	-1,7	1,3	1,5
Feb	158 629	155 976	168 283	172 713	1,6	-1,4	1,9	-1,5
Mar	153 461	162 637	168 202	174 129	-3,3	4,3	0,0	0,8
Apr	160 097	158 922	169 193	176 024	4,3	-2,3	0,6	1,1
May	153 840	160 260	174 302	178 393	-3,9	0,8	3,0	1,3
Jun	159 599	159 703	173 903	178 286	3,7	-0,3	-0,2	-0,1
Jul	150 491	162 311	173 330	178 847	-5,7	1,6	-0,3	0,3
Aug	160 175	161 323	171 922	181 547	6,4	-0,6	-0,8	1,5
Sep	160 127	163 897	173 864	180 452	0,0	1,6	1,1	-0,6
Oct	163 633	163 527	170 985	181 867	2,2	-0,2	-1,7	0,8
Nov	161 095	161 673	174 655		-1,6	-1,1	2,1	
Dec	160 883	163 036	172 744		-0,1	0,8	-1,1	

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

Manufacturing division and major group	May-17	Jun-17	Jul-17	¹ Aug-17	¹ Sep-17	¹ Oct-17
Food and beverages	41 035	42 238	39 920	44 467	43 877	46 633
Meat, fish, fruit, etc.	12 175	12 297	11 885	12 879	12 475	12 826
Dairy products	3 388	3 248	3 298	3 602	3 568	3 933
Grain mill products	6 242	6 077	5 933	6 128	5 652	6 023
Other food products	9 116	9 869	9 407	10 270	10 043	11 049
Beverages	10 115	10 747	9 397	11 589	12 138	12 801
Textiles, clothing, leather and footwear	4 750	4 647	4 762	4 977	5 127	5 506
Textiles	766	705	710	711	738	832
Other textile products	1 224	1 250	1 232	1 252	1 377	1 414
Knitted, crocheted articles	251	234	238	226	249	246
Wearing apparel	1 552	1 436	1 671	1 703	1 659	1 799
Leather and leather products	563	599	485	636	636	654
Footwear	394	423	425	449	469	560
Wood and wood products, paper, publishing and printing	13 006	13 212	12 674	13 539	14 573	14 378
Sawmilling and planing of wood	1 052	1 016	935	1 087	1 058	1 303
Products of wood	1 677	1 926	1 613	1 812	1 853	2 083
Paper and paper products	6 301	6 479	5 969	6 415	7 206	6 273
Publishing	1 509	1 487	1 588	1 669	1 785	1 725
Printing, recorded media	2 467	2 304	2 569	2 557	2 672	2 994
Petroleum, chemical products, rubber and plastic products	37 866	37 792	37 011	38 849	39 213	41 726
Coke, petroleum products and nuclear fuel	12 296	11 804	11 823	12 346	11 797	13 036
Basic chemicals	8 121	7 798	7 747	8 072	8 437	9 039
Other chemical products	10 690	11 216	10 680	11 588	11 995	11 809
Rubber products	1 478	1 532	1 410	1 445	1 397	1 553
Plastic products	5 281	5 443	5 351	5 399	5 587	6 290
Glass and non-metallic mineral products	5 613	5 559	5 622	5 920	5 760	6 409
Glass and glass products	915	887	907	1 026	1 079	1 283
Non-metallic mineral products	4 698	4 672	4 715	4 894	4 681	5 126
Basic iron and steel, non-ferrous metal products, metal products and machinery	39 302	39 344	37 092	38 849	39 330	42 867
Basic iron and steel products	11 435	11 195	10 069	10 850	11 081	12 430
Non-ferrous metal products	9 275	8 733	8 389	8 618	9 204	10 103
Structural metal products	2 883	3 252	2 915	2 892	3 002	3 032
Other fabricated metal products	6 682	6 642	6 427	6 851	6 515	7 137
General purpose machinery	3 442	3 351	3 178	3 391	3 315	3 582
Special purpose machinery	4 488	4 991	4 981	5 154	5 053	5 335
Household appliances	1 096	1 181	1 132	1 093	1 161	1 248
Electrical machinery	4 690	5 045	4 570	4 710	4 956	4 764
Radio, television and communication apparatus and professional equipment	2 167	2 111	2 217	2 314	2 370	2 299
Radio, television and communication apparatus	1 320	1 295	1 413	1 580	1 548	1 475
Professional equipment	846	816	803	734	822	824
Motor vehicles, parts and accessories and other transport equipment	24 062	26 782	24 877	26 893	27 441	26 411
Motor vehicles	13 252	14 816	14 117	15 417	15 346	14 975
Bodies for motor vehicles, trailers and semi-trailers	1 153	1 072	1 011	1 070	1 068	1 205
Parts and accessories	7 275	7 178	7 251	7 583	7 413	7 503
Other transport equipment	2 382	3 716	2 497	2 822	3 614	2 729
Furniture and other manufacturing	7 133	6 808	6 514	6 779	6 782	7 509
Furniture	1 339	1 298	1 375	1 486	1 384	1 686
Other manufacturing groups	5 794	5 510	5 138	5 293	5 398	5 823
Total	179 622	183 539	175 259	187 298	189 428	198 502

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

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

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

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

Manufacturing division and major group	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Month-on-month % change
Food and beverages	43 020	42 660	43 490	42 628	43 652	2,4
Meat, fish, fruit, etc.	12 233	12 201	12 561	12 194	12 222	0,2
Dairy products	3 454	3 422	3 642	3 531	3 586	1,6
Grain mill products	5 924	5 920	5 861	5 732	5 820	1,5
Other food products	9 640	9 666	9 801	9 591	10 041	4,7
Beverages	11 769	11 451	11 625	11 581	11 983	3,5
Textiles, clothing, leather and footwear	4 661	4 774	4 842	4 808	4 791	-0,4
Textiles	697	743	711	695	721	3,7
Other textile products	1 190	1 231	1 250	1 277	1 266	-0,9
Knitted, crocheted articles	228	231	239	242	230	-5,0
Wearing apparel	1 550	1 586	1 599	1 548	1 524	-1,6
Leather and leather products	563	546	603	606	609	0,5
Footwear	432	437	440	440	441	0,2
Wood and wood products, paper, publishing and printing	13 004	12 931	13 149	13 018	13 169	1,2
Sawmilling and planing of wood	994	882	1 045	1 012	1 132	11,9
Products of wood	1 809	1 681	1 731	1 686	1 763	4,6
Paper and paper products	6 185	6 239	6 259	6 240	6 240	0,0
Publishing	1 580	1 612	1 647	1 599	1 494	-6,6
Printing, recorded media	2 435	2 516	2 468	2 481	2 540	2,4
Petroleum, chemical products, rubber and plastic products	37 173	37 572	37 419	37 931	37 634	-0,8
Coke, petroleum products and nuclear fuel	11 394	11 544	12 086	12 406	12 306	-0,8
Basic chemicals	7 859	8 089	7 828	7 858	7 733	-1,6
Other chemical products	10 935	11 164	10 854	11 076	10 809	-2,4
Rubber products	1 446	1 403	1 385	1 374	1 426	3,8
Plastic products	5 539	5 372	5 265	5 217	5 360	2,7
Glass and non-metallic mineral products	5 252	5 454	5 390	5 234	5 513	5,3
Glass and glass products	889	933	935	950	999	5,2
Non-metallic mineral products	4 363	4 521	4 455	4 283	4 515	5,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	37 196	37 580	38 143	38 234	40 025	4,7
Basic iron and steel products	10 431	10 518	11 009	10 931	11 831	8,2
Non-ferrous metal products	8 511	8 673	8 646	9 064	9 619	6,1
Structural metal products	2 968	2 910	2 770	2 828	2 797	-1,1
Other fabricated metal products	6 310	6 271	6 345	6 102	6 353	4,1
General purpose machinery	3 076	3 198	3 221	3 177	3 248	2,2
Special purpose machinery	4 800	4 843	5 059	5 002	5 047	0,9
Household appliances	1 100	1 167	1 095	1 129	1 132	0,3
Electrical machinery	4 610	4 475	4 484	4 451	4 526	1,7
Radio, television and communication apparatus and professional equipment	2 200	2 227	2 136	2 157	2 070	-4,0
Radio, television and communication apparatus	1 415	1 405	1 391	1 387	1 284	-7,4
Professional equipment	785	822	745	770	786	2,1
Motor vehicles, parts and accessories and other transport equipment	24 516	24 670	26 043	25 493	23 810	-6,6
Motor vehicles	13 793	13 813	15 189	14 337	13 003	-9,3
Bodies for motor vehicles, trailers and semi-trailers	1 000	995	1 017	1 009	1 071	6,1
Parts and accessories	6 743	6 951	6 995	7 155	7 021	-1,9
Other transport equipment	2 980	2 911	2 842	2 992	2 715	-9,3
Furniture and other manufacturing	6 654	6 502	6 450	6 498	6 676	2,7
Furniture	1 291	1 341	1 420	1 301	1 315	1,1
Other manufacturing groups	5 363	5 161	5 030	5 197	5 361	3,2
Total	178 286	178 847	181 547	180 452	181 867	0,8

Survey information

Introduction	1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group. 2 In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2015. Both estimated and seasonally adjusted figures are presented. 3 In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available. 4 Stats SA is continuously updating its BSF, based on units registered for value added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).
Purpose of the survey	5 The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.
Special Data Dissemination Standard of the IMF	6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
Scope of the survey	7 This survey covers manufacturing enterprises, i.e. those conducting activities in - - the manufacturing, processing, making or packing of products; - the slaughtering of animals, including poultry; and - installation, assembly, completion, repair and related work.
Classification	8 The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities</i> (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
Collection rate	9 The preliminary collection rate for the survey on manufacturing production and sales for October 2017 was 89,1%. The improved collection rate for September 2017 was 90,4%.
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 2017	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 need to be calculated from time to time.

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 – 2017 (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

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