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Production: results for March 2017

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

	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
Year-on-year % change, unadjusted	-2,8	2,1	-2,1	0,4	-3,7	0,3
Month-on-month % change, seasonally adjusted	-1,9	0,4	0,0	-0,7	-0,3	-0,6
3-month % change, seasonally adjusted ¹	-1,9	-1,2	-1,1	-0,7	-0,9	-0,9

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

Manufacturing production increased by 0,3% in March 2017 compared with March 2016. This increase was mainly due to higher production in the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (6,0% and contributing 1,1 percentage points);
- glass and non-metallic mineral products (10,5% and contributing 0,4 of a percentage point); and
- motor vehicles, parts and accessories and other transport equipment (5,8% and contributing 0,4 of a percentage point).

The largest negative contributions were made by the following divisions in March 2017 compared with March 2016:

- petroleum, chemical products, rubber and plastic products (-5,3% and contributing -1,3 percentage points);
- wood and wood products, paper, publishing and printing (-2,0% and contributing -0,3 of a percentage point); and
- electrical machinery (-10,2% and contributing -0,2 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 0,6% in March 2017 compared with February 2017. This followed month-on-month changes of -0,3% in February 2017 and -0,7% in January 2017 – see Table A.

Seasonally adjusted manufacturing production decreased by 0,9% in the first quarter of 2017 compared with the fourth quarter of 2016. Seven of the ten manufacturing divisions reported negative growth rates over this period.

The petroleum, chemical products, rubber and plastic products division (-2,7% and contributing -0,6 of a percentage point) was the largest contributor to the 0,9% decrease – see Table B.

Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2010=100)

Manufacturing division and major group	Weight (2013)	Oct – Dec 2016	Jan – Mar 2017	% change between Oct – Dec 2016 and Jan – Mar 2017	Contribution (% points) to the total % change
Food and beverages	24,53	111,1	111,2	0,1	0,0
Meat, fish, fruit, etc.	5,99	115,6	118,7	2,7	0,2
Dairy products	1,81	110,4	114,4	3,6	0,1
Grain mill products	2,61	104,1	98,9	-5,0	-0,1
Other food products	7,78	106,5	105,8	-0,7	-0,1
Beverages	6,34	115,6	114,8	-0,7	0,0
Textiles, clothing, leather and footwear	3,34	96,1	91,9	-4,4	-0,1
Textiles	0,89	91,7	86,8	-5,3	0,0
Other textile products	0,36	92,8	91,4	-1,5	0,0
Knitted, crocheted articles	0,09	50,4	53,4	6,0	0,0
Wearing apparel	1,13	96,2	86,2	-10,4	-0,1
Leather and leather products	0,50	107,6	109,0	1,3	0,0
Footwear	0,37	105,0	107,9	2,8	0,0
Wood and wood products, paper, publishing and printing	12,62	105,9	105,0	-0,8	-0,1
Sawmilling and planing of wood	1,81	140,4	137,6	-2,0	0,0
Products of wood	2,47	108,7	101,7	-6,4	-0,2
Paper and paper products	4,96	100,6	104,0	3,4	0,2
Publishing	1,55	89,7	91,2	1,7	0,0
Printing, recorded media	1,83	96,1	91,4	-4,9	-0,1
Petroleum, chemical products, rubber and plastic products	23,58	109,4	106,5	-2,7	-0,6
Coke, petroleum products and nuclear fuel	9,01	101,3	98,7	-2,6	-0,2
Basic chemicals	4,08	114,5	112,4	-1,8	-0,1
Other chemical products	6,21	123,3	119,1	-3,4	-0,2
Rubber products	1,35	102,9	102,8	-0,1	0,0
Plastic products	2,93	101,0	97,3	-3,7	-0,1
Glass and non-metallic mineral products	4,15	94,6	93,9	-0,7	0,0
Glass and glass products	0,83	92,1	90,6	-1,6	0,0
Non-metallic mineral products	3,32	95,2	94,7	-0,5	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,77	99,8	100,5	0,7	0,1
Basic iron and steel products	3,27	94,3	97,9	3,8	0,1
Non-ferrous metal products	3,11	100,1	98,5	-1,6	0,0
Structural metal products	1,83	72,8	72,0	-1,1	0,0
Other fabricated metal products	3,92	123,0	120,8	-1,8	-0,1
General purpose machinery	2,37	78,7	81,7	3,8	0,1
Special purpose machinery	3,44	107,7	110,9	3,0	0,1
Household appliances	0,83	96,8	95,5	-1,3	0,0
Electrical machinery	1,67	105,9	98,7	-6,8	-0,1
Radio, television and communication apparatus and professional equipment	1,55	141,9	136,6	-3,7	-0,1
Radio, television and communication	0,90	164,9	158,1	-4,1	-0,1
Professional equipment	0,65	110,2	107,1	-2,8	0,0
Motor vehicles, parts and accessories and other transport equipment	6,85	103,8	106,2	2,3	0,2
Motor vehicles	2,47	122,6	123,1	0,4	0,0
Bodies for motor vehicles, trailers and semi-	0,44	115,5	119,2	3,2	0,0
Parts and accessories	2,78	91,2	94,7	3,8	0,1
Other transport equipment	1,16	89,9	92,8	3,2	0,0
Furniture and other manufacturing	2,94	91,9	87,4	-4,9	-0,1
Furniture	1,06	105,2	107,6	2,3	0,0
Other manufacturing groups	1,88	84,4	76,1	-9,8	-0,1
Total	100	106,1	105,1	-0,9	-0,9

Figure 1 – Volume of manufacturing production (Base: 2010=100)

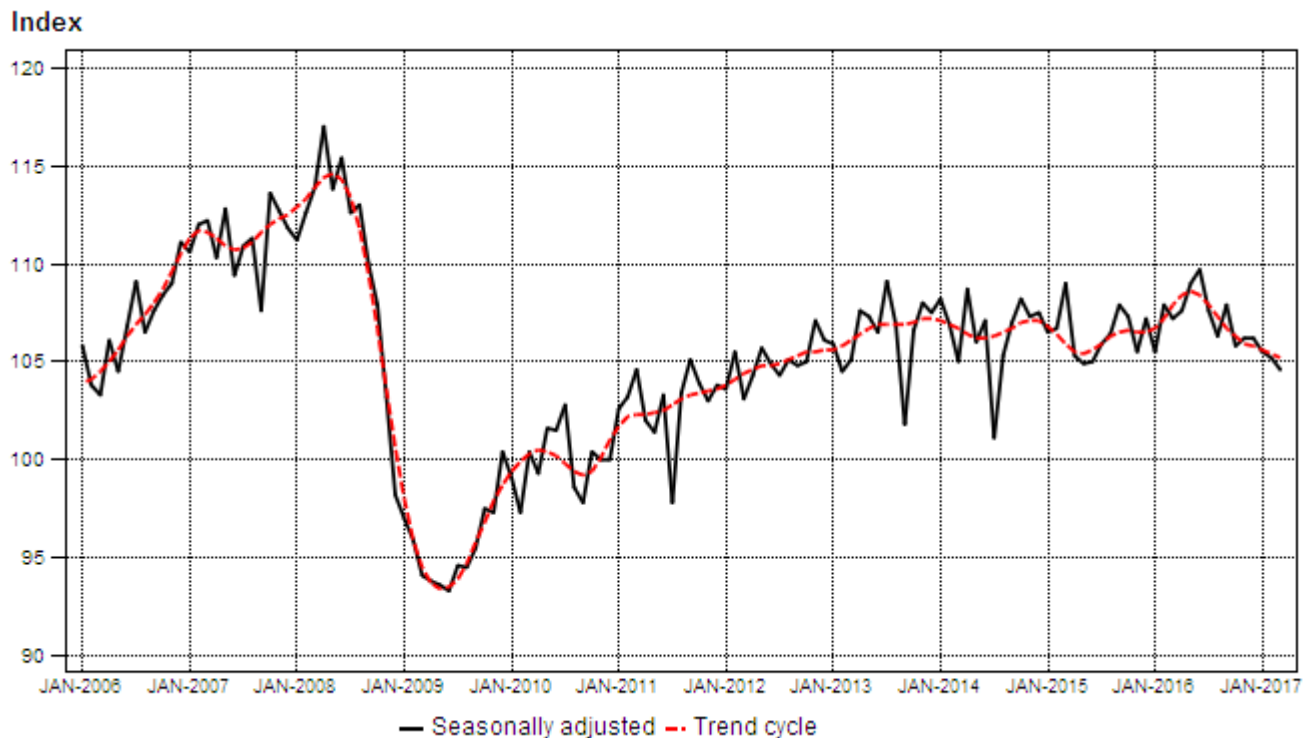
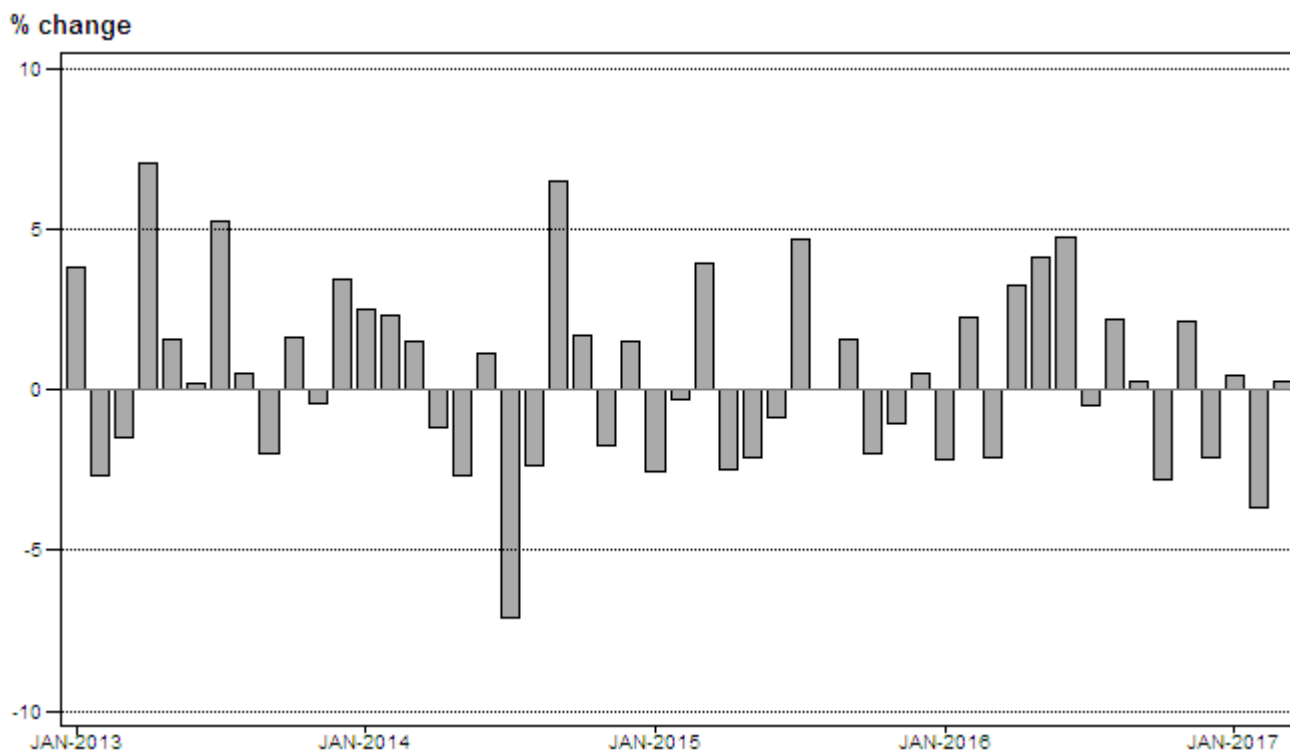


Figure 2 – Volume of manufacturing production (Base: 2010=100): year-on-year percentage change



Sales: results for March 2017**Table C – Key growth rates in manufacturing sales at current prices**

	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
Year-on-year % change, unadjusted	3,0	9,2	4,8	7,6	1,7	7,6
Month-on-month % change, seasonally adjusted	-1,5	2,4	-1,8	1,2	-1,1	0,8
3-month % change, seasonally adjusted ¹	-0,5	0,1	-0,2	0,8	-0,3	0,3

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 March 2017 compared with February 2017. This followed month-on-month changes of -1,1% in February 2017 and 1,2% in January 2017 – see Table C.

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

Manufacturing division	Oct – Dec 2016 (R million)	Jan – Mar 2017 (R million)	% change between Oct – Dec 2016 and Jan – Mar 2017	Contribution (% points) to the total % change
Food and beverages	124 053	122 584	-1,2	-0,3
Textiles, clothing, leather and footwear	13 894	13 818	-0,5	0,0
Wood and wood products, paper, publishing and printing	38 797	38 511	-0,7	-0,1
Petroleum, chemical products, rubber and plastic products	109 893	110 890	0,9	0,2
Glass and non-metallic mineral products	14 091	13 878	-1,5	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	105 662	109 631	3,8	0,8
Electrical machinery	15 020	13 936	-7,2	-0,2
Radio, television and communication apparatus and professional equipment	7 129	6 851	-3,9	-0,1
Motor vehicles, parts and accessories and other transport equipment	62 754	62 997	0,4	0,0
Furniture and other manufacturing	17 237	17 071	-1,0	0,0
Total	508 530	510 166	0,3	0,3

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Tables

Table 1 – Index of the volume of manufacturing production (Base: 2010=100)

Month	2011	2012	2013	2014	2015	2016	2017 ¹
Jan	86,7	88,9	92,3	94,6	92,2	90,2	90,6
Feb	98,4	102,2	99,5	101,8	101,5	103,8	100,0
Mar	109,3	106,2	104,6	106,2	110,4	108,1	108,4
Apr	93,4	95,2	101,9	100,7	98,2	101,4	
May	101,6	106,9	108,6	105,7	103,5	107,8	
Jun	104,2	104,9	105,1	106,3	105,4	110,4	
Jul	98,9	106,1	111,7	103,8	108,7	108,2	
Aug	107,8	110,0	110,6	108,0	108,0	110,4	
Sep	110,4	107,7	105,6	112,5	114,3	114,6	
Oct	112,9	116,7	118,6	120,6	118,2	114,9	
Nov	116,6	121,0	120,5	118,4	117,2	119,7	
Dec	93,5	95,2	98,5	100,0	100,5	98,4	
Total	102,8	105,1	106,5	106,6	106,5	107,3	

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

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2010=100)				Month-on-month % change			
	2014	2015	2016	2017	2014	2015	2016	2017
Jan	108,2	106,5	105,5	105,5	0,7	-0,9	-1,6	-0,7
Feb	106,9	106,7	107,9	105,2	-1,2	0,2	2,3	-0,3
Mar	105,0	109,0	107,2	104,6	-1,8	2,2	-0,6	-0,6
Apr	108,7	105,3	107,6		3,5	-3,4	0,4	
May	106,0	104,9	109,0		-2,5	-0,4	1,3	
Jun	107,1	105,0	109,7		1,0	0,1	0,6	
Jul	101,1	105,9	107,6		-5,6	0,9	-1,9	
Aug	105,3	106,4	106,3		4,2	0,5	-1,2	
Sep	107,0	107,9	107,9		1,6	1,4	1,5	
Oct	108,2	107,3	105,8		1,1	-0,6	-1,9	
Nov	107,3	105,5	106,2		-0,8	-1,7	0,4	
Dec	107,5	107,2	106,2		0,2	1,6	0,0	

Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2010=100)

Manufacturing division and major group	Weight (2013)	Oct-16	Nov-16	Dec-16	¹ Jan-17	¹ Feb-17	¹ Mar-17
Food and beverages	24,53	118,0	124,4	122,5	94,2	100,5	109,2
Meat, fish, fruit, etc.	5,99	120,6	122,4	125,7	100,9	111,8	122,2
Dairy products	1,81	121,6	122,1	121,5	107,6	102,2	119,7
Grain mill products	2,61	106,7	114,3	102,1	90,1	89,0	104,1
Other food products	7,78	117,1	114,2	99,8	79,0	94,0	89,6
Beverages	6,34	120,2	143,5	156,0	104,4	102,0	119,9
Textiles, clothing, leather and footwear	3,34	110,1	112,0	75,5	70,3	92,6	98,5
Textiles	0,89	102,4	103,0	58,6	70,4	91,5	99,7
Other textile products	0,36	105,6	108,7	68,8	75,5	89,3	96,0
Knitted, crocheted articles	0,09	57,6	54,9	33,7	41,7	51,6	59,6
Wearing apparel	1,13	113,4	116,0	84,6	52,7	87,0	94,2
Leather and leather products	0,50	119,6	118,3	93,6	103,7	109,0	105,9
Footwear	0,37	122,9	130,0	80,8	80,5	103,4	110,3
Wood and wood products, paper, publishing and printing	12,62	116,0	120,0	97,9	90,0	101,3	108,0
Sawmilling and planing of wood	1,81	151,1	142,8	118,9	119,5	136,5	149,2
Products of wood	2,47	126,2	131,1	83,6	78,1	99,8	107,5
Paper and paper products	4,96	102,2	108,9	100,9	93,7	99,2	108,6
Publishing	1,55	104,2	112,0	93,7	78,9	84,9	84,2
Printing, recorded media	1,83	114,7	119,3	91,9	76,0	87,7	86,3
Petroleum, chemical products, rubber and plastic products	23,58	120,5	121,5	104,4	104,5	99,6	106,3
Coke, petroleum products and nuclear fuel	9,01	105,6	107,8	106,0	109,0	90,2	96,2
Basic chemicals	4,08	136,3	125,8	108,7	111,6	100,0	103,2
Other chemical products	6,21	135,1	140,1	114,5	107,2	113,3	124,3
Rubber products	1,35	114,6	116,7	70,5	88,6	111,1	117,8
Plastic products	2,93	116,4	120,4	87,5	82,1	93,7	98,2
Glass and non-metallic mineral products	4,15	105,4	114,7	64,9	69,4	80,9	102,4
Glass and glass products	0,83	106,1	107,9	85,8	83,0	78,8	86,8
Non-metallic mineral products	3,32	105,2	116,4	59,6	66,0	81,4	106,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,77	105,6	110,3	83,8	83,0	99,7	111,2
Basic iron and steel products	3,27	95,8	96,7	78,7	94,3	96,9	106,1
Non-ferrous metal products	3,11	100,1	104,5	91,8	92,2	95,7	106,3
Structural metal products	1,83	81,9	87,4	55,3	54,3	77,4	78,5
Other fabricated metal products	3,92	135,3	147,4	85,3	93,3	121,3	128,6
General purpose machinery	2,37	88,0	88,8	69,1	66,1	78,6	81,8
Special purpose machinery	3,44	111,3	114,0	105,1	78,3	108,2	140,3
Household appliances	0,83	102,4	106,1	83,9	85,8	98,4	102,2
Electrical machinery	1,67	105,5	117,6	87,4	74,4	100,1	112,5
Radio, television and communication apparatus and professional equipment	1,55	161,9	172,3	138,8	100,6	132,8	146,2
Radio, television and communication apparatus	0,90	195,8	204,9	164,9	115,5	151,6	163,8
Professional equipment	0,65	115,1	127,3	102,7	80,1	106,7	121,8
Motor vehicles, parts and accessories and other transport equipment	6,85	109,8	119,3	66,8	82,9	109,3	120,6
Motor vehicles	2,47	134,8	149,8	64,5	90,0	128,3	135,5
Bodies for motor vehicles, trailers and semi-trailers	0,44	122,9	139,1	85,4	79,7	124,2	127,0
Parts and accessories	2,78	96,9	99,0	51,0	85,4	99,0	103,9
Other transport equipment	1,16	82,4	95,4	102,6	62,9	87,7	126,8
Furniture and other manufacturing	2,94	108,5	113,9	74,8	73,8	91,2	72,8
Furniture	1,06	130,4	143,2	87,8	68,0	99,4	98,5
Other manufacturing groups	1,88	96,3	97,5	67,5	77,0	86,7	58,4
Total	100	114,9	119,7	98,4	90,6	100,0	108,4

¹ The latest three months are preliminary.

Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2010=100)

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

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

Manufacturing division and major group	Weight (2013)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
Food and beverages	24,53	-1,7	0,8	-2,1	0,3	-1,0	-0,1
Meat, fish, fruit, etc.	5,99	-0,3	-0,5	-0,5	0,2	0,4	0,0
Dairy products	1,81	-0,2	0,0	-0,3	-0,1	-0,2	-0,1
Grain mill products	2,61	0,0	0,1	-0,2	-0,2	-0,3	-0,1
Other food products	7,78	-0,5	0,9	-0,5	0,2	-0,1	-0,1
Beverages	6,34	-0,8	0,4	-0,7	0,2	-0,7	0,2
Textiles, clothing, leather and footwear	3,34	-0,1	0,0	0,0	-0,1	-0,2	0,1
Textiles	0,89	0,1	0,1	0,0	0,0	0,0	0,0
Other textile products	0,36	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	1,13	-0,1	-0,1	0,0	-0,1	-0,1	0,0
Leather and leather products	0,50	0,0	0,0	-0,1	0,0	0,0	0,0
Footwear	0,37	0,0	0,0	0,0	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	12,62	0,3	0,2	0,3	-0,3	-0,3	-0,3
Sawmilling and planing of wood	1,81	0,2	0,2	0,2	0,2	0,0	0,1
Products of wood	2,47	0,2	0,3	0,1	-0,2	-0,2	-0,1
Paper and paper products	4,96	-0,3	-0,2	-0,2	-0,4	0,0	-0,2
Publishing	1,55	-0,1	0,0	-0,1	0,1	0,0	-0,1
Printing, recorded media	1,83	0,2	-0,1	0,2	0,1	-0,1	0,0
Petroleum, chemical products, rubber and plastic products	23,58	-0,5	0,3	-0,5	0,4	-1,7	-1,3
Coke, petroleum products and nuclear fuel	9,01	-0,7	-0,2	-0,3	0,2	-0,6	-1,4
Basic chemicals	4,08	0,2	-0,1	-0,1	0,2	-0,4	-0,3
Other chemical products	6,21	0,2	0,6	-0,1	0,2	-0,4	0,2
Rubber products	1,35	-0,1	0,0	0,0	0,0	0,1	0,2
Plastic products	2,93	-0,1	-0,1	0,0	-0,2	-0,4	0,0
Glass and non-metallic mineral products	4,15	-0,2	0,1	-0,3	-0,3	-0,3	0,4
Glass and glass products	0,83	0,0	0,0	0,0	0,0	-0,1	0,0
Non-metallic mineral products	3,32	-0,2	0,2	-0,3	-0,3	-0,3	0,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,77	0,3	1,0	0,3	0,5	0,0	1,1
Basic iron and steel products	3,27	0,4	0,5	0,0	0,3	0,1	0,3
Non-ferrous metal products	3,11	0,1	0,3	0,3	0,1	-0,1	0,2
Structural metal products	1,83	-0,1	0,0	-0,1	-0,2	-0,1	0,0
Other fabricated metal products	3,92	0,1	0,5	0,1	0,0	-0,1	0,1
General purpose machinery	2,37	0,0	0,0	0,0	0,2	0,1	0,1
Special purpose machinery	3,44	-0,1	-0,2	0,1	0,1	0,1	0,4
Household appliances	0,83	-0,1	-0,1	0,0	0,0	0,0	0,0
Electrical machinery	1,67	-0,1	-0,2	-0,1	-0,2	-0,1	-0,2
Radio, television and communication apparatus and professional equipment	1,55	0,0	0,0	0,0	-0,2	0,0	0,2
Radio, television and communication apparatus	0,90	0,1	-0,1	0,0	-0,1	0,0	0,2
Professional equipment	0,65	0,0	0,1	0,0	0,0	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	6,85	-0,7	-0,3	0,1	-0,1	0,1	0,4
Motor vehicles	2,47	-0,3	-0,1	0,2	0,0	0,1	0,0
Bodies for motor vehicles, trailers and semi-trailers	0,44	0,0	0,0	0,1	0,0	0,0	0,1
Parts and accessories	2,78	-0,1	-0,2	0,0	0,1	0,0	0,2
Other transport equipment	1,16	-0,3	-0,1	-0,1	-0,2	0,0	0,1
Furniture and other manufacturing	2,94	-0,1	0,2	0,1	0,4	-0,1	0,0
Furniture	1,06	-0,1	0,0	0,0	0,1	0,1	0,2
Other manufacturing groups	1,88	0,0	0,1	0,1	0,4	-0,2	-0,1
Total	100	-2,8	2,1	-2,1	0,4	-3,7	0,3

Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2010=100)

Manufacturing division and major group	Weight (2013)	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Month-on-month % change
Food and beverages	24,53	111,2	111,0	111,6	111,2	110,8	-0,4
Meat, fish, fruit, etc.	5,99	111,6	117,0	119,8	122,7	113,7	-7,3
Dairy products	1,81	113,0	107,2	111,9	113,1	118,2	4,5
Grain mill products	2,61	105,1	102,6	98,3	99,4	98,9	-0,5
Other food products	7,78	105,7	105,8	107,5	107,4	102,6	-4,5
Beverages	6,34	119,5	116,2	114,4	109,3	120,7	10,4
Textiles, clothing, leather and footwear	3,34	93,8	97,0	92,6	90,3	92,7	2,7
Textiles	0,89	89,6	88,8	89,1	83,1	88,1	6,0
Other textile products	0,36	93,3	91,3	98,9	86,0	89,4	4,0
Knitted, crocheted articles	0,09	48,8	51,5	54,5	52,6	53,0	0,8
Wearing apparel	1,13	93,1	100,5	79,3	87,6	91,7	4,7
Leather and leather products	0,50	105,4	104,9	112,1	109,0	105,9	-2,8
Footwear	0,37	101,8	112,0	118,3	103,5	102,0	-1,4
Wood and wood products, paper, publishing and printing	12,62	105,6	106,4	104,2	106,6	104,1	-2,3
Sawmilling and planing of wood	1,81	137,0	141,3	138,6	137,0	137,2	0,1
Products of wood	2,47	111,2	106,6	97,1	104,8	103,2	-1,5
Paper and paper products	4,96	100,5	101,3	102,7	106,3	103,1	-3,0
Publishing	1,55	92,3	89,4	92,8	92,9	88,0	-5,3
Printing, recorded media	1,83	92,2	99,6	93,4	91,6	89,1	-2,7
Petroleum, chemical products, rubber and plastic products	23,58	108,8	108,7	109,9	105,2	104,4	-0,8
Coke, petroleum products and nuclear fuel	9,01	102,8	99,4	102,8	98,2	95,0	-3,3
Basic chemicals	4,08	109,8	111,6	116,2	111,4	109,6	-1,6
Other chemical products	6,21	123,0	123,7	123,2	115,2	118,8	3,1
Rubber products	1,35	101,2	104,2	101,9	104,5	102,1	-2,3
Plastic products	2,93	99,5	103,2	98,2	97,4	96,4	-1,0
Glass and non-metallic mineral products	4,15	97,9	91,6	91,5	90,7	99,5	9,7
Glass and glass products	0,83	90,0	94,1	93,7	85,4	92,6	8,4
Non-metallic mineral products	3,32	99,9	90,9	90,9	92,0	101,2	10,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,77	101,2	100,0	99,1	100,7	101,6	0,9
Basic iron and steel products	3,27	97,4	91,6	94,4	98,1	101,3	3,3
Non-ferrous metal products	3,11	102,8	101,4	96,8	99,4	99,3	-0,1
Structural metal products	1,83	74,4	71,6	69,6	72,7	73,6	1,2
Other fabricated metal products	3,92	128,9	119,1	119,9	119,7	122,7	2,5
General purpose machinery	2,37	79,4	78,5	83,4	82,1	79,5	-3,2
Special purpose machinery	3,44	104,5	112,9	108,7	111,2	112,9	1,5
Household appliances	0,83	87,5	107,7	98,0	98,2	90,4	-7,9
Electrical machinery	1,67	102,1	112,3	96,9	101,2	97,9	-3,3
Radio, television and communication apparatus and professional equipment	1,55	141,0	145,1	131,7	135,1	143,1	5,9
Radio, television and communication apparatus	0,90	160,1	170,8	150,2	155,4	168,6	8,5
Professional equipment	0,65	114,6	109,6	106,2	107,0	108,0	0,9
Motor vehicles, parts and accessories and other transport equipment	6,85	104,1	106,0	103,6	109,9	105,1	-4,4
Motor vehicles	2,47	124,2	124,8	120,1	129,0	120,1	-6,9
Bodies for motor vehicles, trailers and semi-trailers	0,44	118,5	119,7	117,8	123,4	116,3	-5,8
Parts and accessories	2,78	88,6	91,3	96,4	96,9	90,8	-6,3
Other transport equipment	1,16	92,8	96,4	80,2	95,2	102,9	8,1
Furniture and other manufacturing	2,94	91,7	93,3	94,7	90,3	77,3	-14,4
Furniture	1,06	106,1	105,8	107,0	108,4	107,4	-0,9
Other manufacturing groups	1,88	83,6	86,3	87,7	80,2	60,4	-24,7
Total	100	106,2	106,2	105,5	105,2	104,6	-0,6

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

Month	2011	2012	2013	2014	2015	2016	2017 ¹
Jan	97 411	108 491	117 959	131 761	131 002	134 925	145 168
Feb	113 324	127 563	133 672	148 322	145 423	157 533	160 258
Mar	127 991	135 237	139 554	153 523	163 845	166 251	178 816
Apr	109 650	119 115	135 261	145 555	144 372	157 266	
May	119 270	132 208	143 182	150 221	155 084	169 757	
Jun	123 962	132 709	141 053	158 110	159 864	173 552	
Jul	114 767	129 532	148 320	147 886	160 520	167 749	
Aug	126 866	136 533	146 049	158 442	158 603	173 834	
Sep	135 195	133 921	142 416	164 928	169 078	180 850	
Oct	135 976	146 705	158 674	177 895	175 325	180 643	
Nov	141 655	155 603	164 565	173 109	176 362	192 540	
Dec	119 470	125 295	142 129	150 084	153 063	160 381	
Total	1 465 537	1 582 912	1 712 834	1 859 836	1 892 541	2 015 281	

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	11,4	8,7	11,7	-0,6	3,0	7,6	7,6
Feb	12,6	4,8	11,0	-2,0	8,3	1,7	4,4
Mar	5,7	3,2	10,0	6,7	1,5	7,6	5,6
Apr	8,6	13,6	7,6	-0,8	8,9		
May	10,8	8,3	4,9	3,2	9,5		
Jun	7,1	6,3	12,1	1,1	8,6		
Jul	12,9	14,5	-0,3	8,5	4,5		
Aug	7,6	7,0	8,5	0,1	9,6		
Sep	-0,9	6,3	15,8	2,5	7,0		
Oct	7,9	8,2	12,1	-1,4	3,0		
Nov	9,8	5,8	5,2	1,9	9,2		
Dec	4,9	13,4	5,6	2,0	4,8		
Total	8,0	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	152 536	154 234	160 667	170 869	0,8	-2,3	0,9	1,2
Feb	155 187	152 452	164 414	169 014	1,7	-1,2	2,3	-1,1
Mar	150 181	159 194	164 155	170 283	-3,2	4,4	-0,2	0,8
Apr	156 168	154 834	165 084		4,0	-2,7	0,6	
May	150 402	156 750	170 873		-3,7	1,2	3,5	
Jun	156 511	156 901	170 297		4,1	0,1	-0,3	
Jul	146 877	158 585	169 371		-6,2	1,1	-0,5	
Aug	157 141	158 206	169 640		7,0	-0,2	0,2	
Sep	157 181	160 499	170 296		0,0	1,4	0,4	
Oct	160 869	160 443	167 809		2,3	0,0	-1,5	
Nov	157 560	158 525	171 916		-2,1	-1,2	2,4	
Dec	157 807	159 254	168 805		0,2	0,5	-1,8	

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

Manufacturing division and major group	Oct-16	Nov-16	Dec-16	¹ Jan-17	¹ Feb-17	¹ Mar-17
Food and beverages	42 908	46 787	47 927	35 517	37 453	41 405
Meat, fish, fruit, etc.	11 894	12 524	13 041	9 876	10 697	12 149
Dairy products	3 696	3 643	3 731	3 267	3 162	3 670
Grain mill products	7 003	7 422	6 629	5 740	5 656	6 496
Other food products	9 557	10 052	8 784	7 886	8 484	7 853
Beverages	10 758	13 147	15 742	8 748	9 454	11 237
Textiles, clothing, leather and footwear	5 240	5 601	3 894	3 402	4 385	4 861
Textiles	810	824	467	542	697	764
Other textile products	1 278	1 362	939	880	1 136	1 216
Knitted, crocheted articles	212	214	147	149	197	232
Wearing apparel	1 774	1 951	1 381	896	1 311	1 554
Leather and leather products	624	606	491	528	580	605
Footwear	542	645	469	406	465	491
Wood and wood products, paper, publishing and printing	14 043	14 883	12 568	10 861	12 323	13 169
Sawmilling and planing of wood	865	730	685	638	721	752
Products of wood	2 114	2 043	1 363	1 281	1 594	1 792
Paper and paper products	5 933	6 460	5 960	5 317	5 869	6 526
Publishing	2 001	2 205	1 768	1 520	1 674	1 629
Printing, recorded media	3 131	3 444	2 792	2 104	2 466	2 470
Petroleum, chemical products, rubber and plastic products	39 778	41 878	34 760	34 734	33 476	36 206
Coke, petroleum products and nuclear fuel	11 476	12 391	11 719	12 891	10 186	10 365
Basic chemicals	9 136	9 208	7 235	7 365	7 005	7 697
Other chemical products	11 432	12 027	9 835	9 067	9 619	11 233
Rubber products	1 532	1 623	1 163	1 143	1 571	1 619
Plastic products	6 202	6 629	4 808	4 268	5 095	5 293
Glass and non-metallic mineral products	5 310	5 622	3 453	3 369	4 093	5 124
Glass and glass products	996	1 090	783	694	646	724
Non-metallic mineral products	4 314	4 532	2 670	2 675	3 447	4 400
Basic iron and steel, non-ferrous metal products, metal products and machinery	36 375	38 641	30 478	31 609	34 950	40 316
Basic iron and steel products	9 701	10 093	7 698	10 872	10 061	11 784
Non-ferrous metal products	8 202	8 830	7 969	7 968	7 863	9 054
Structural metal products	2 924	3 293	2 067	1 961	2 998	2 989
Other fabricated metal products	6 790	7 507	4 527	4 647	5 954	6 568
General purpose machinery	3 362	3 467	2 903	2 473	3 036	3 251
Special purpose machinery	4 334	4 311	4 517	2 879	4 092	5 641
Household appliances	1 062	1 141	796	808	946	1 029
Electrical machinery	4 884	5 551	4 308	3 455	4 666	5 206
Radio, television and communication apparatus and professional equipment	2 702	2 846	2 335	1 619	2 197	2 528
Radio, television and communication apparatus	1 727	1 769	1 430	954	1 309	1 518
Professional equipment	974	1 076	905	665	888	1 010
Motor vehicles, parts and accessories and other transport equipment	23 204	24 187	14 975	16 328	20 927	24 515
Motor vehicles	14 005	14 151	8 180	9 172	11 670	13 670
Bodies for motor vehicles, trailers and semi-trailers	1 046	1 148	727	627	985	1 121
Parts and accessories	6 435	6 893	3 912	5 202	6 410	7 024
Other transport equipment	1 717	1 995	2 157	1 327	1 862	2 699
Furniture and other manufacturing	6 199	6 544	5 684	4 275	5 788	5 485
Furniture	1 624	1 751	1 128	811	1 234	1 290
Other manufacturing groups	4 575	4 793	4 555	3 464	4 554	4 195
Total	180 643	192 540	160 381	145 168	160 258	178 816

¹ The latest three months are preliminary.

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

Manufacturing division and major group	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
Food and beverages	8,1	13,5	3,3	6,1	6,0	3,9
Meat, fish, fruit, etc.	7,3	6,9	3,4	9,4	10,6	4,1
Dairy products	3,1	7,2	2,2	7,8	-0,6	5,9
Grain mill products	15,9	16,6	3,4	-2,0	-5,1	-5,3
Other food products	18,2	22,0	9,0	8,9	22,5	11,0
Beverages	-1,3	14,4	0,5	5,4	-1,4	4,3
Textiles, clothing, leather and footwear	-0,5	5,4	6,4	4,2	-1,3	6,4
Textiles	17,2	13,2	3,8	6,9	-2,4	1,1
Other textile products	-6,9	8,4	17,4	3,2	-1,7	10,8
Knitted, crocheted articles	-2,8	-2,7	13,1	5,7	-1,5	7,9
Wearing apparel	-2,3	2,0	1,0	-1,6	-4,4	6,7
Leather and leather products	-0,2	-3,5	-3,5	1,7	-6,8	2,0
Footwear	-0,7	13,6	16,4	20,8	22,7	9,6
Wood and wood products, paper, publishing and printing	5,0	4,8	6,3	1,2	1,2	2,9
Sawmilling and planing of wood	11,9	8,8	5,1	15,4	0,8	3,9
Products of wood	15,1	6,7	3,9	-6,3	-4,1	-0,2
Paper and paper products	0,3	2,5	0,5	-3,4	4,9	3,4
Publishing	0,2	4,0	-0,4	8,4	-0,2	2,1
Printing, recorded media	9,9	7,8	29,7	10,6	-2,6	3,8
Petroleum, chemical products, rubber and plastic products	-0,3	9,1	2,9	9,6	0,9	5,7
Coke, petroleum products and nuclear fuel	-13,1	5,4	0,1	19,7	13,2	-1,3
Basic chemicals	6,4	16,0	9,1	5,5	-7,5	7,8
Other chemical products	9,4	10,7	-0,4	8,6	-2,0	10,8
Rubber products	-1,9	5,5	13,5	3,8	11,7	13,5
Plastic products	1,4	5,1	5,7	-4,8	-5,1	4,7
Glass and non-metallic mineral products	-1,1	3,1	-0,5	-5,5	-8,3	13,1
Glass and glass products	-4,0	-1,6	1,3	2,8	-11,5	0,7
Non-metallic mineral products	-0,4	4,4	-1,0	-7,4	-7,6	15,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	3,9	11,7	11,8	15,6	1,9	15,7
Basic iron and steel products	4,6	15,7	19,8	33,5	10,7	32,8
Non-ferrous metal products	2,9	15,3	8,2	13,6	-4,5	11,9
Structural metal products	-4,4	9,1	-8,5	-8,1	-0,1	7,1
Other fabricated metal products	8,8	20,7	14,6	6,3	0,5	10,1
General purpose machinery	7,0	7,1	11,7	17,4	7,2	7,8
Special purpose machinery	3,1	-6,3	16,7	3,9	-2,0	11,9
Household appliances	-4,8	0,0	1,3	1,0	-8,7	-3,3
Electrical machinery	-1,8	-5,1	4,9	-7,7	-10,3	-14,1
Radio, television and communication apparatus and professional equipment	15,0	1,6	6,7	-5,4	4,6	19,4
Radio, television and communication apparatus	21,5	-6,0	2,6	-8,7	9,4	29,4
Professional equipment	4,8	17,0	13,7	-0,3	-1,7	7,0
Motor vehicles, parts and accessories and other transport equipment	1,2	7,5	1,7	4,5	0,2	10,6
Motor vehicles	8,4	13,4	-4,6	16,4	3,4	14,5
Bodies for motor vehicles, trailers and semi-trailers	1,3	0,8	27,5	-4,7	6,6	26,1
Parts and accessories	-6,3	0,2	16,5	-5,3	-6,3	-0,5
Other transport equipment	-18,6	-0,5	-2,8	-16,8	1,9	17,9
Furniture and other manufacturing	-3,8	8,5	0,7	12,6	5,8	8,7
Furniture	-1,5	6,3	1,3	8,0	12,5	26,2
Other manufacturing groups	-4,5	9,4	0,6	13,7	4,1	4,2
Total	3,0	9,2	4,8	7,6	1,7	7,6

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

Manufacturing division and major group	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
Food and beverages	1,8	3,2	1,0	1,5	1,3	0,9
Meat, fish, fruit, etc.	0,5	0,5	0,3	0,6	0,7	0,3
Dairy products	0,1	0,1	0,1	0,2	0,0	0,1
Grain mill products	0,5	0,6	0,1	-0,1	-0,2	-0,2
Other food products	0,8	1,0	0,5	0,5	1,0	0,5
Beverages	-0,1	0,9	0,1	0,3	-0,1	0,3
Textiles, clothing, leather and footwear	0,0	0,2	0,2	0,1	0,0	0,2
Textiles	0,1	0,1	0,0	0,0	0,0	0,0
Other textile products	-0,1	0,1	0,1	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	0,0	0,0	0,0	0,0	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	0,1	0,1	0,0
Wood and wood products, paper, publishing and printing	0,4	0,4	0,5	0,1	0,1	0,2
Sawmilling and planing of wood	0,1	0,0	0,0	0,1	0,0	0,0
Products of wood	0,2	0,1	0,0	-0,1	0,0	0,0
Paper and paper products	0,0	0,1	0,0	-0,1	0,2	0,1
Publishing	0,0	0,0	0,0	0,1	0,0	0,0
Printing, recorded media	0,2	0,1	0,4	0,1	0,0	0,1
Petroleum, chemical products, rubber and plastic products	-0,1	2,0	0,6	2,3	0,2	1,2
Coke, petroleum products and nuclear fuel	-1,0	0,4	0,0	1,6	0,8	-0,1
Basic chemicals	0,3	0,7	0,4	0,3	-0,4	0,3
Other chemical products	0,6	0,7	0,0	0,5	-0,1	0,7
Rubber products	0,0	0,0	0,1	0,0	0,1	0,1
Plastic products	0,0	0,2	0,2	-0,2	-0,2	0,1
Glass and non-metallic mineral products	0,0	0,1	0,0	-0,1	-0,2	0,4
Glass and glass products	0,0	0,0	0,0	0,0	-0,1	0,0
Non-metallic mineral products	0,0	0,1	0,0	-0,2	-0,2	0,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	0,8	2,3	2,1	3,2	0,4	3,3
Basic iron and steel products	0,2	0,8	0,8	2,0	0,6	1,8
Non-ferrous metal products	0,1	0,7	0,4	0,7	-0,2	0,6
Structural metal products	-0,1	0,2	-0,1	-0,1	0,0	0,1
Other fabricated metal products	0,3	0,7	0,4	0,2	0,0	0,4
General purpose machinery	0,1	0,1	0,2	0,3	0,1	0,1
Special purpose machinery	0,1	-0,2	0,4	0,1	-0,1	0,4
Household appliances	0,0	0,0	0,0	0,0	-0,1	0,0
Electrical machinery	-0,1	-0,2	0,1	-0,2	-0,3	-0,5
Radio, television and communication apparatus and professional equipment	0,2	0,0	0,1	-0,1	0,1	0,2
Radio, television and communication apparatus	0,2	-0,1	0,0	-0,1	0,1	0,2
Professional equipment	0,0	0,1	0,1	0,0	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	0,2	1,0	0,2	0,5	0,0	1,4
Motor vehicles	0,6	0,9	-0,3	1,0	0,2	1,0
Bodies for motor vehicles, trailers and semi-trailers	0,0	0,0	0,1	0,0	0,0	0,1
Parts and accessories	-0,2	0,0	0,4	-0,2	-0,3	0,0
Other transport equipment	-0,2	0,0	0,0	-0,2	0,0	0,2
Furniture and other manufacturing	-0,1	0,3	0,0	0,4	0,2	0,3
Furniture	0,0	0,1	0,0	0,0	0,1	0,2
Other manufacturing groups	-0,1	0,2	0,0	0,3	0,1	0,1
Total	3,0	9,2	4,8	7,6	1,7	7,6

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

Manufacturing division and major group	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Month-on-month % change
Food and beverages	42 008	40 737	40 770	40 974	40 840	-0,3
Meat, fish, fruit, etc.	11 405	11 628	11 749	12 012	11 453	-4,7
Dairy products	3 420	3 362	3 459	3 457	3 480	0,7
Grain mill products	7 010	6 628	6 276	6 293	6 216	-1,2
Other food products	9 018	8 550	8 818	8 884	8 710	-2,0
Beverages	11 154	10 568	10 468	10 329	10 981	6,3
Textiles, clothing, leather and footwear	4 652	4 634	4 714	4 555	4 549	-0,1
Textiles	711	688	703	693	674	-2,7
Other textile products	1 186	1 175	1 190	1 140	1 150	0,9
Knitted, crocheted articles	194	195	207	196	193	-1,5
Wearing apparel	1 505	1 500	1 455	1 435	1 493	4,0
Leather and leather products	573	567	592	557	570	2,3
Footwear	482	510	567	535	470	-12,1
Wood and wood products, paper, publishing and printing	12 863	13 099	12 908	12 934	12 669	-2,0
Sawmilling and planing of wood	717	768	772	728	722	-0,8
Products of wood	1 731	1 734	1 612	1 674	1 670	-0,2
Paper and paper products	5 969	5 953	6 107	6 215	6 072	-2,3
Publishing	1 793	1 736	1 780	1 766	1 723	-2,4
Printing, recorded media	2 653	2 907	2 637	2 551	2 482	-2,7
Petroleum, chemical products, rubber and plastic products	36 980	36 821	38 231	36 759	35 900	-2,3
Coke, petroleum products and nuclear fuel	11 929	11 374	12 823	11 932	10 978	-8,0
Basic chemicals	7 751	7 907	8 025	7 742	7 667	-1,0
Other chemical products	10 451	10 483	10 792	10 345	10 551	2,0
Rubber products	1 428	1 519	1 427	1 508	1 421	-5,8
Plastic products	5 422	5 538	5 165	5 232	5 284	1,0
Glass and non-metallic mineral products	4 705	4 654	4 494	4 451	4 933	10,8
Glass and glass products	829	864	842	705	860	22,0
Non-metallic mineral products	3 875	3 790	3 651	3 746	4 073	8,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	35 556	35 953	37 236	35 357	37 038	4,8
Basic iron and steel products	9 837	9 936	11 376	10 153	11 027	8,6
Non-ferrous metal products	8 466	8 267	8 732	7 991	8 777	9,8
Structural metal products	2 792	2 642	2 630	2 770	2 705	-2,3
Other fabricated metal products	6 479	6 209	6 128	6 121	6 095	-0,4
General purpose machinery	3 105	3 161	3 213	3 160	3 158	-0,1
Special purpose machinery	3 894	4 716	4 168	4 228	4 367	3,3
Household appliances	984	1 023	989	934	908	-2,8
Electrical machinery	4 862	5 468	4 695	4 637	4 604	-0,7
Radio, television and communication apparatus and professional equipment	2 353	2 353	2 193	2 300	2 358	2,5
Radio, television and communication apparatus	1 393	1 403	1 310	1 390	1 455	4,7
Professional equipment	959	950	883	910	903	-0,8
Motor vehicles, parts and accessories and other transport equipment	22 222	19 226	19 736	21 302	21 959	3,1
Motor vehicles	13 018	10 143	11 179	12 025	12 573	4,6
Bodies for motor vehicles, trailers and semi-trailers	968	1 020	986	1 004	988	-1,6
Parts and accessories	6 259	6 045	5 887	6 262	6 224	-0,6
Other transport equipment	1 978	2 019	1 685	2 012	2 173	8,0
Furniture and other manufacturing	5 716	5 859	5 893	5 744	5 434	-5,4
Furniture	1 300	1 290	1 302	1 353	1 365	0,9
Other manufacturing groups	4 416	4 569	4 591	4 391	4 069	-7,3
Total	171 916	168 805	170 869	169 014	170 283	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 2010. 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 March 2017 was 88,0%. The improved collection rate for February 2017 was 92,2%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
- Revised figures**
- 11 Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.

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

Technical notes

- Survey methodology and design** 1 The survey is conducted monthly. Questionnaires are sent to a sample of 3 005 enterprises from a population of 45 966 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 2016 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	1 878 106	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 2010. 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 2016	NA

- 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 divisions and major groups	Weights according to national accounts value added		
	2011	2012	2013 – 2017
Food and beverages	23,82	24,44	24,53
Meat, fish, fruit, etc.	5,19	5,39	5,99
Dairy products	2,30	1,78	1,81
Grain mill products	2,78	2,86	2,61
Other food products	7,12	7,73	7,78
Beverages	6,43	6,68	6,34
Textiles, clothing, leather and footwear	2,92	3,17	3,34
Textiles	0,84	0,74	0,89
Other textile products	0,39	0,47	0,36
Knitted, crocheted articles	0,08	0,10	0,09
Wearing apparel	0,99	1,19	1,13
Leather and leather products	0,19	0,28	0,50
Footwear	0,43	0,39	0,37
Wood and wood products, paper, publishing and printing	9,46	12,65	12,62
Sawmilling and planing of wood	0,82	1,83	1,81
Products of wood	1,76	2,55	2,47
Paper and paper products	3,26	4,89	4,96
Publishing	1,45	1,51	1,55
Printing, recorded media	2,17	1,87	1,83
Petroleum, chemical products, rubber and plastic products	22,52	22,13	23,58
Coke, petroleum products and nuclear fuel	6,32	7,77	9,01
Basic chemicals	4,85	3,81	4,08
Other chemical products	7,06	6,49	6,21
Rubber products	1,18	1,00	1,35
Plastic products	3,11	3,06	2,93
Glass and non-metallic mineral products	4,42	3,91	4,15
Glass and glass products	0,89	0,78	0,83
Non-metallic mineral products	3,53	3,13	3,32
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,40	19,59	18,77
Basic iron and steel products	4,71	3,38	3,27
Non-ferrous metal products (including precious metals)	3,46	3,18	3,11
Structural metal products	2,21	1,89	1,83
Other fabricated metal products	3,89	4,40	3,92
General purpose machinery	2,44	2,44	2,37
Special purpose machinery	3,04	3,44	3,44
Household appliances	0,65	0,86	0,83
Electrical machinery	2,37	1,70	1,67
Radio, television and communication apparatus and professional equipment	1,45	1,41	1,55
Radio, television and communication apparatus	0,88	0,90	0,90
Professional equipment	0,57	0,51	0,65
Motor vehicles, parts and accessories and other transport equipment	8,58	7,39	6,85
Motor vehicles	3,84	2,98	2,47
Bodies for motor vehicles, trailers and semi-trailers	0,53	0,43	0,44
Parts and accessories	3,00	2,77	2,78
Other transport equipment	1,21	1,21	1,16
Furniture and other manufacturing	4,06	3,61	2,94
Furniture	1,05	1,08	1,06
Other manufacturing groups	3,01	2,53	1,88
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 March 2016](#)
- 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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