

STATISTICAL RELEASE
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Manufacturing: Production and sales
(Preliminary)

June 2017

The results published in the next publication (July 2017) will be based on a new sample. This is an annual procedure which typically affects the level of sales. To avoid breaks in time series and to minimise revisions to historical growth rates, historical sales levels will be revised (i.e. they will be linked to the estimates based on the new sample).

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Production: results for June 2017**Table A – Key growth rates in the volume of manufacturing production**

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
Year-on-year % change, unadjusted	0,6	-3,7	0,3	-4,3	-0,9	-2,3
Month-on-month % change, seasonally adjusted	-0,4	-0,4	-0,6	2,2	-0,3	0,0
3-month % change, seasonally adjusted ¹	-0,4	-0,7	-0,7	-0,4	0,4	1,5

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

Manufacturing production decreased by 2,3% in June 2017 compared with June 2016. The largest negative contributions to production were reported in the following divisions:

- petroleum, chemical products, rubber and plastic products (-10,6% and contributing -2,6 percentage points); and
- wood and wood products, paper, publishing and printing (-4,0% and contributing -0,5 of a percentage point).

The largest positive contributions to production were reported in the following divisions:

- food and beverages (1,9% and contributing 0,5 of a percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (2,4% and contributing 0,5 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production was flat in June 2017 compared with May 2017. This followed month-on-month changes of -0,3% in May 2017 and 2,2% in April 2017 – see Table A.

Seasonally adjusted manufacturing production increased by 1,5% in the second quarter of 2017 compared with the first quarter of 2017. Six of the ten manufacturing divisions reported positive growth rates over this period. The largest contributors were the food and beverages division (4,1% and contributing 1,0 percentage point) and the motor vehicles, parts and accessories and other transport equipment division (3,7% and contributing 0,2 of a percentage point) – see Table B.

Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Jan – Mar 2017	Apr – Jun 2017	% change between Jan – Mar 2017 and Apr – Jun 2017	Contribution (% points) to the total % change
Food and beverages	25,15	98,5	102,5	4,1	1,0
Meat, fish, fruit, etc.	6,39	98,7	99,9	1,2	0,1
Dairy products	1,89	98,0	100,7	2,8	0,1
Grain mill products	2,86	94,1	94,9	0,9	0,0
Other food products	7,62	101,2	105,0	3,8	0,3
Beverages	6,39	97,4	106,2	9,0	0,6
Textiles, clothing, leather and footwear	3,28	94,7	94,1	-0,6	0,0
Textiles	0,83	102,4	106,2	3,7	0,0
Other textile products	0,41	99,2	97,5	-1,7	0,0
Knitted, crocheted articles	0,09	96,4	93,2	-3,3	0,0
Wearing apparel	1,10	86,7	86,5	-0,2	0,0
Leather and leather products	0,49	89,4	88,3	-1,2	0,0
Footwear	0,36	102,8	93,5	-9,0	0,0
Wood and wood products, paper, publishing and printing	11,62	100,9	100,7	-0,2	0,0
Sawmilling and planing of wood	1,71	108,7	109,2	0,5	0,0
Products of wood	2,37	98,0	99,2	1,2	0,0
Paper and paper products	4,33	101,0	100,3	-0,7	0,0
Publishing	1,49	97,4	94,5	-3,0	0,0
Printing, recorded media	1,72	100,0	100,5	0,5	0,0
Petroleum, chemical products, rubber and plastic products	24,01	99,0	98,7	-0,3	-0,1
Coke, petroleum products and nuclear fuel	9,29	98,2	92,0	-6,3	-0,6
Basic chemicals	4,36	100,3	103,3	3,0	0,1
Other chemical products	6,16	101,2	105,0	3,8	0,2
Rubber products	1,34	100,0	102,8	2,8	0,0
Plastic products	2,86	94,8	98,1	3,5	0,1
Glass and non-metallic mineral products	3,90	95,1	96,1	1,1	0,0
Glass and glass products	0,74	97,8	102,0	4,3	0,0
Non-metallic mineral products	3,16	94,5	94,7	0,2	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	100,7	101,4	0,7	0,1
Basic iron and steel products	3,44	110,6	106,4	-3,8	-0,1
Non-ferrous metal products	2,73	103,5	106,0	2,4	0,1
Structural metal products	1,86	88,9	93,0	4,6	0,1
Other fabricated metal products	3,86	101,4	102,2	0,8	0,0
General purpose machinery	2,51	99,7	97,9	-1,8	0,0
Special purpose machinery	3,51	98,4	102,0	3,7	0,1
Household appliances	0,81	86,7	87,3	0,7	0,0
Electrical machinery	1,65	91,6	90,3	-1,4	0,0
Radio, television and communication apparatus and professional equipment	1,61	104,0	111,3	7,0	0,1
Radio, television and communication	0,93	106,3	114,1	7,3	0,1
Professional equipment	0,68	101,1	107,5	6,3	0,0
Motor vehicles, parts and accessories and other transport equipment	6,86	97,1	100,7	3,7	0,2
Motor vehicles	2,43	93,1	99,0	6,3	0,1
Bodies for motor vehicles, trailers and semi-	0,46	103,2	101,1	-2,0	0,0
Parts and accessories	2,76	101,8	105,4	3,5	0,1
Other transport equipment	1,21	91,7	93,4	1,9	0,0
Furniture and other manufacturing	3,20	94,5	97,4	3,1	0,1
Furniture	1,09	99,1	92,2	-7,0	-0,1
Other manufacturing groups	2,11	92,1	100,1	8,7	0,2
Total	100	98,8	100,3	1,5	1,5

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

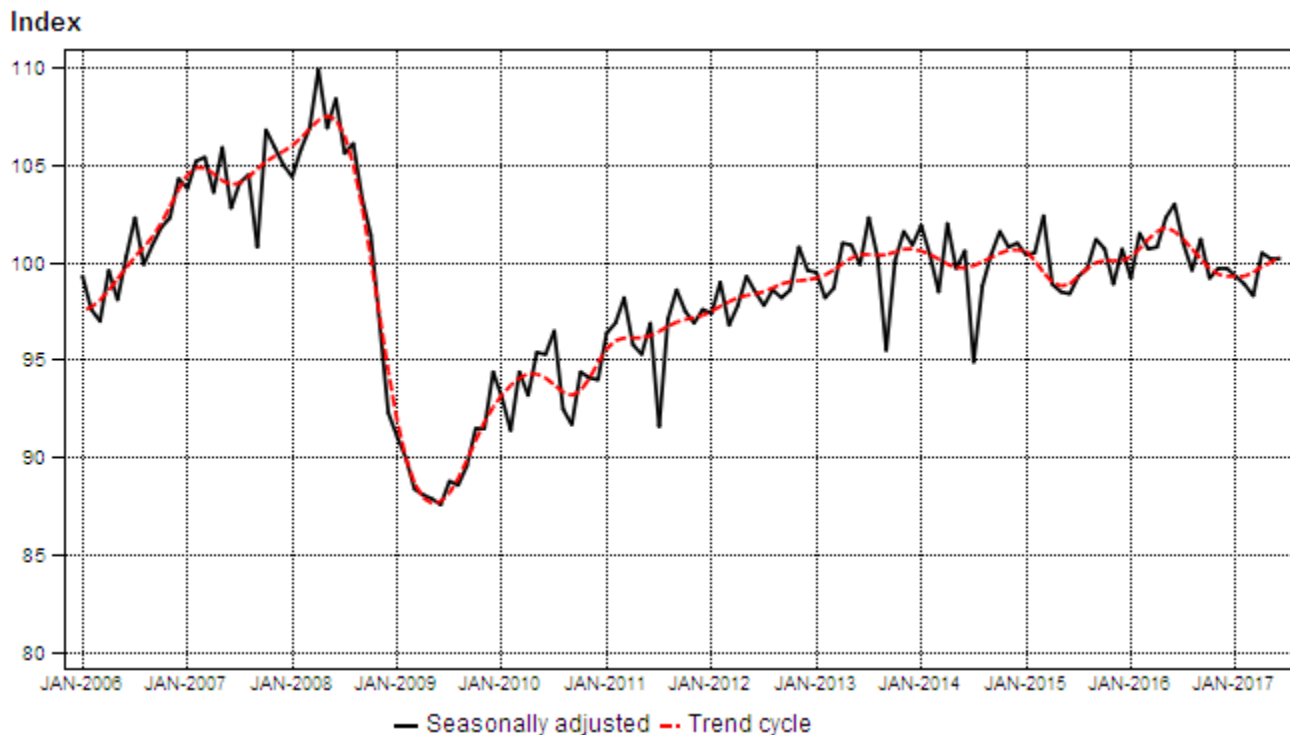
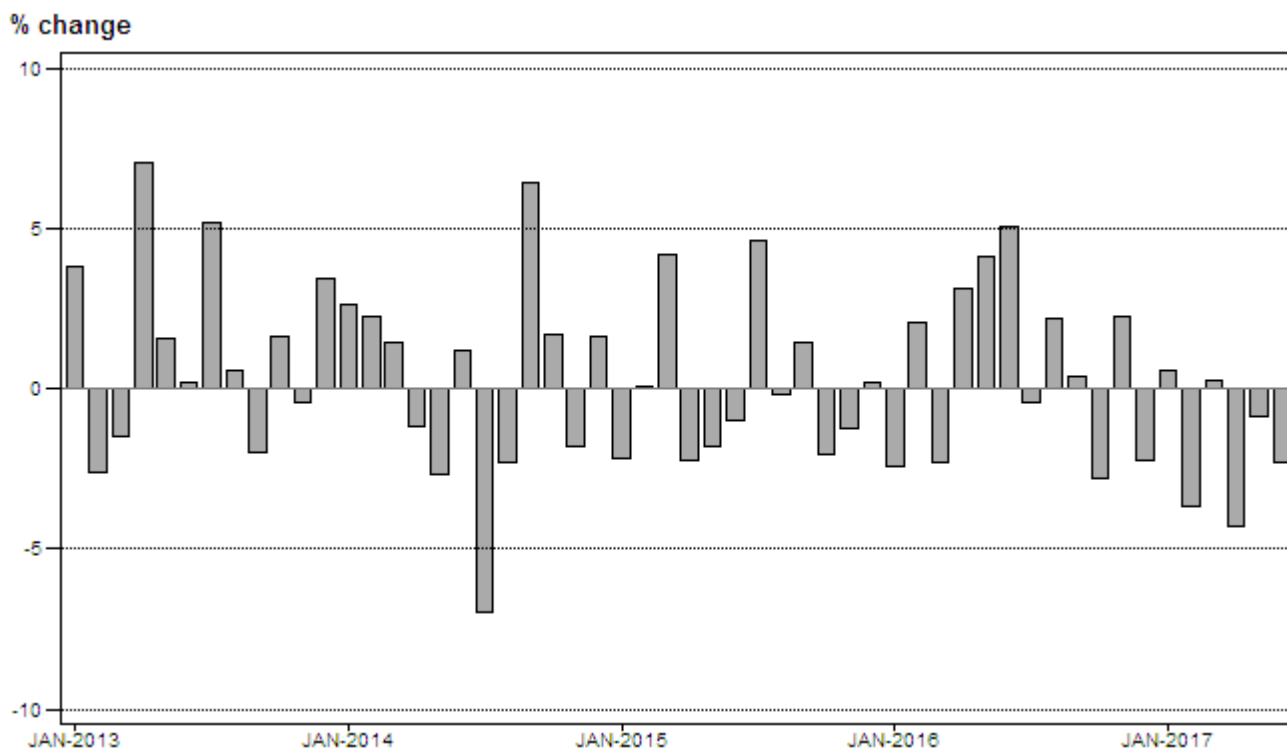


Figure 2 – Volume of manufacturing production (Base: 2015=100): year-on-year percentage change



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

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
Year-on-year % change, unadjusted	7,6	1,5	7,7	-1,1	3,3	3,2
Month-on-month % change, seasonally adjusted	1,1	-1,1	0,9	0,7	1,4	0,3
3-month % change, seasonally adjusted ¹	0,8	-0,2	0,3	-0,1	1,5	2,0

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

Seasonally adjusted manufacturing sales increased by 0,3% in June 2017 compared with May 2017. This followed month-on-month changes of 1,4% in May 2017 and 0,7% in April 2017 – see Table C.

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

Manufacturing division	Jan – Mar 2017 (R million)	Apr – Jun 2017 (R million)	% change between Jan – Mar 2017 and Apr – Jun 2017	Contribution (% points) to the total % change
Food and beverages	122 710	126 267	2,9	0,7
Textiles, clothing, leather and footwear	13 730	13 493	-1,7	0,0
Wood and wood products, paper, publishing and printing	38 621	39 126	1,3	0,1
Petroleum, chemical products, rubber and plastic products	111 266	111 183	-0,1	0,0
Glass and non-metallic mineral products	13 851	14 455	4,4	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	109 197	110 895	1,6	0,3
Electrical machinery	13 777	13 752	-0,2	0,0
Radio, television and communication apparatus and professional equipment	6 859	7 299	6,4	0,1
Motor vehicles, parts and accessories and other transport equipment	63 068	65 574	4,0	0,5
Furniture and other manufacturing	17 200	18 353	6,7	0,2
Total	510 279	520 397	2,0	2,0

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

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

Manufacturing division and major group	Weights	Jan-17	Feb-17	Mar-17	¹ Apr-17	¹ May-17	¹ Jun-17
Food and beverages	25,15	83,0	88,5	96,3	94,7	102,0	101,9
Meat, fish, fruit, etc.	6,39	84,0	92,9	101,3	93,8	102,0	100,3
Dairy products	1,89	92,8	88,3	102,4	93,4	93,7	92,4
Grain mill products	2,86	86,2	83,7	99,4	86,4	97,5	97,5
Other food products	7,62	74,4	88,5	85,1	99,1	111,9	116,1
Beverages	6,39	87,8	86,4	101,3	94,3	94,7	91,2
Textiles, clothing, leather and footwear	3,28	72,3	95,2	102,0	88,9	98,2	91,7
Textiles	0,83	82,9	107,8	117,3	97,6	118,2	109,3
Other textile products	0,41	81,9	96,9	104,2	91,1	104,1	98,7
Knitted, crocheted articles	0,09	77,7	96,6	102,7	93,0	112,5	88,5
Wearing apparel	1,10	52,5	86,7	97,6	79,1	88,4	79,9
Leather and leather products	0,49	84,7	89,5	86,9	94,6	89,3	90,0
Footwear	0,36	79,6	97,3	97,9	87,2	84,3	82,2
Wood and wood products, paper, publishing and printing	11,62	86,3	97,2	103,7	88,7	98,0	101,0
Sawmilling and planing of wood	1,71	93,7	106,4	120,3	102,0	116,0	110,9
Products of wood	2,37	75,5	97,1	102,4	92,3	95,6	104,4
Paper and paper products	4,33	91,4	95,8	106,7	88,0	96,9	103,1
Publishing	1,49	84,1	91,3	89,0	78,7	87,4	90,3
Printing, recorded media	1,72	83,0	96,7	94,2	81,1	95,7	90,4
Petroleum, chemical products, rubber and plastic products	24,01	97,8	92,6	98,9	91,7	95,1	95,7
Coke, petroleum products and nuclear fuel	9,29	109,6	90,7	96,7	95,9	83,8	81,7
Basic chemicals	4,36	97,3	88,6	92,3	91,6	104,9	102,9
Other chemical products	6,16	91,0	95,6	104,7	90,3	103,7	106,8
Rubber products	1,34	85,0	107,4	116,0	86,8	108,1	107,5
Plastic products	2,86	80,5	91,2	95,4	83,6	91,8	101,1
Glass and non-metallic mineral products	3,90	70,8	81,7	103,2	84,9	102,8	103,8
Glass and glass products	0,74	89,2	84,5	93,5	88,5	96,9	101,0
Non-metallic mineral products	3,16	66,5	81,1	105,5	84,1	104,2	104,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	83,5	100,1	111,0	94,9	105,6	104,8
Basic iron and steel products	3,44	107,1	110,1	120,5	115,2	122,2	101,8
Non-ferrous metal products	2,73	96,6	100,3	111,4	104,6	105,0	110,6
Structural metal products	1,86	66,8	95,5	97,2	79,0	89,0	106,2
Other fabricated metal products	3,86	78,4	101,3	108,1	90,5	109,3	106,6
General purpose machinery	2,51	79,7	97,1	99,7	86,8	99,5	104,2
Special purpose machinery	3,51	68,9	96,5	123,5	89,1	102,8	105,5
Household appliances	0,81	76,6	87,9	94,9	84,7	89,0	85,1
Electrical machinery	1,65	68,5	92,6	102,9	77,6	94,4	99,8
Radio, television and communication apparatus and professional equipment	1,61	76,4	101,7	111,5	103,7	104,0	102,3
Radio, television and communication apparatus	0,93	77,1	101,3	110,9	95,8	103,2	103,2
Professional equipment	0,68	75,5	102,3	112,2	114,4	105,0	101,1
Motor vehicles, parts and accessories and other transport equipment	6,86	76,6	98,6	110,0	84,6	104,1	113,7
Motor vehicles	2,43	67,2	95,8	101,9	78,1	106,5	111,2
Bodies for motor vehicles, trailers and semi-trailers	0,46	68,9	107,3	110,7	92,5	109,3	109,3
Parts and accessories	2,76	92,5	104,8	110,8	95,0	113,1	109,7
Other transport equipment	1,21	62,3	86,6	124,2	71,1	77,1	129,4
Furniture and other manufacturing	3,20	81,7	100,0	79,4	72,2	100,8	101,3
Furniture	1,09	63,1	93,0	91,9	83,1	93,8	89,1
Other manufacturing groups	2,11	91,2	103,6	73,0	66,6	104,4	107,6
Total	100	85,4	94,0	101,7	91,2	100,5	101,4

¹ The latest three months are preliminary.

Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
Food and beverages	1,0	-4,1	-0,3	1,8	3,3	1,9
Meat, fish, fruit, etc.	2,8	6,1	-1,1	-1,3	-0,4	-0,8
Dairy products	-3,9	-11,6	-3,5	-3,2	5,5	5,6
Grain mill products	-7,0	-12,4	-4,1	-10,2	-5,7	-6,8
Other food products	3,0	-2,1	-0,9	4,4	11,3	6,4
Beverages	2,3	-9,5	3,9	9,3	1,0	1,8
Textiles, clothing, leather and footwear	-1,8	-6,6	2,9	-9,7	-0,9	-6,1
Textiles	4,1	-4,2	4,3	-6,9	10,5	5,4
Other textile products	8,0	-7,5	7,3	-15,1	-3,2	-2,8
Knitted, crocheted articles	-2,4	-8,6	-4,4	-14,6	3,9	-7,8
Wearing apparel	-15,5	-12,2	7,4	-12,0	-5,4	-14,1
Leather and leather products	-3,5	-5,8	-6,6	-4,2	-6,2	-12,2
Footwear	11,6	5,8	-4,3	-10,2	-8,4	-5,8
Wood and wood products, paper, publishing and printing	-2,2	-2,7	-1,9	-3,7	-3,6	-4,0
Sawmilling and planing of wood	11,5	-1,8	8,7	-4,3	-2,4	1,5
Products of wood	-9,7	-7,2	-4,4	-5,3	-6,9	-1,2
Paper and paper products	-7,6	-0,7	-3,4	-3,1	-0,7	-3,7
Publishing	5,4	-1,0	-6,3	-6,6	-8,0	-12,1
Printing, recorded media	5,1	-3,6	-2,1	1,2	-4,1	-7,6
Petroleum, chemical products, rubber and plastic products	1,3	-6,8	-5,5	-6,6	-8,4	-10,6
Coke, petroleum products and nuclear fuel	1,6	-7,2	-15,0	-11,0	-21,0	-23,2
Basic chemicals	3,7	-7,6	-5,1	3,9	0,0	-10,9
Other chemical products	3,5	-6,2	2,6	-4,7	-0,1	-1,7
Rubber products	-2,4	11,4	19,3	-10,3	-1,5	4,9
Plastic products	-6,9	-13,9	-1,0	-7,9	0,3	6,8
Glass and non-metallic mineral products	-9,7	-10,2	9,1	-12,5	-1,0	-2,1
Glass and glass products	-0,1	-8,7	0,2	-6,5	-9,9	-6,6
Non-metallic mineral products	-12,4	-10,5	11,2	-13,8	1,3	-1,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	2,8	0,7	6,4	-0,3	5,4	2,4
Basic iron and steel products	10,4	5,1	12,0	5,3	0,6	-7,9
Non-ferrous metal products	2,7	-2,1	7,5	6,7	5,2	9,1
Structural metal products	-16,4	-8,6	-0,1	-8,2	-8,5	5,9
Other fabricated metal products	-0,1	-3,6	2,0	-5,8	4,5	1,5
General purpose machinery	11,3	11,6	4,5	-0,9	8,2	-0,5
Special purpose machinery	2,4	2,9	9,0	-3,3	20,1	11,4
Household appliances	1,1	-2,8	6,5	6,7	3,1	-2,3
Electrical machinery	-11,7	-6,8	-11,1	-20,2	-3,1	-4,2
Radio, television and communication apparatus and professional equipment	-8,5	-1,7	7,3	16,9	9,5	-8,0
Radio, television and communication apparatus	-9,7	-2,3	16,4	14,0	11,2	-9,0
Professional equipment	-6,7	-1,0	-2,9	20,3	7,1	-6,6
Motor vehicles, parts and accessories and other transport equipment	-1,5	0,0	6,0	-17,3	-3,2	2,9
Motor vehicles	1,7	4,2	0,3	-27,9	-5,7	9,1
Bodies for motor vehicles, trailers and semi-trailers	-6,6	10,3	20,6	-2,6	8,0	5,9
Parts and accessories	4,9	-3,4	6,4	-11,2	0,8	1,1
Other transport equipment	-21,5	-4,0	10,9	-14,0	-12,7	-4,3
Furniture and other manufacturing	22,3	-3,8	1,1	-15,9	-0,1	3,9
Furniture	7,9	11,8	19,7	0,0	3,0	-1,5
Other manufacturing groups	28,1	-9,7	-8,1	-23,5	-1,5	6,4
Total	0,6	-3,7	0,3	-4,3	-0,9	-2,3

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

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

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

Manufacturing division and major group	Weights	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Month-on-month % change
Food and beverages	25,15	98,6	98,1	103,4	101,9	102,2	0,3
Meat, fish, fruit, etc.	6,39	101,9	94,5	100,5	99,5	99,6	0,1
Dairy products	1,89	97,9	99,2	99,8	101,7	100,5	-1,2
Grain mill products	2,86	93,9	94,2	95,4	94,8	94,5	-0,3
Other food products	7,62	102,9	98,1	104,6	105,1	105,4	0,3
Beverages	6,39	92,7	103,1	109,8	103,9	104,9	1,0
Textiles, clothing, leather and footwear	3,28	92,9	95,5	93,1	96,3	92,8	-3,6
Textiles	0,83	97,5	104,4	103,7	110,4	104,4	-5,4
Other textile products	0,41	93,4	97,0	98,2	99,0	95,3	-3,7
Knitted, crocheted articles	0,09	96,4	91,6	90,3	97,5	91,8	-5,8
Wearing apparel	1,10	89,1	93,5	83,3	90,9	85,4	-6,1
Leather and leather products	0,49	89,4	86,8	91,5	86,2	87,3	1,3
Footwear	0,36	97,1	91,9	96,0	91,0	93,4	2,6
Wood and wood products, paper, publishing and printing	11,62	102,3	100,1	100,8	101,0	100,3	-0,7
Sawmilling and planing of wood	1,71	107,2	109,7	109,6	111,5	106,6	-4,4
Products of wood	2,37	101,3	98,7	99,0	97,8	100,8	3,1
Paper and paper products	4,33	102,6	100,5	99,6	101,2	100,1	-1,1
Publishing	1,49	99,7	93,5	94,1	94,8	94,6	-0,2
Printing, recorded media	1,72	100,6	97,4	103,1	99,7	98,7	-1,0
Petroleum, chemical products, rubber and plastic products	24,01	97,7	97,2	100,6	97,5	98,1	0,6
Coke, petroleum products and nuclear fuel	9,29	97,7	94,4	98,2	88,8	88,9	0,1
Basic chemicals	4,36	99,2	98,6	102,5	104,3	103,1	-1,2
Other chemical products	6,16	97,3	101,4	104,9	105,6	104,4	-1,1
Rubber products	1,34	101,4	100,5	102,8	101,6	104,1	2,5
Plastic products	2,86	94,6	93,6	94,8	95,6	103,8	8,6
Glass and non-metallic mineral products	3,90	91,7	100,0	94,2	96,9	97,1	0,2
Glass and glass products	0,74	91,9	100,4	101,4	102,8	101,9	-0,9
Non-metallic mineral products	3,16	91,7	100,0	92,6	95,5	96,0	0,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	101,1	102,0	99,7	102,6	101,8	-0,8
Basic iron and steel products	3,44	110,8	114,2	109,7	107,9	101,7	-5,7
Non-ferrous metal products	2,73	104,4	104,6	105,9	103,4	108,7	5,1
Structural metal products	1,86	89,8	91,1	90,4	88,6	99,9	12,8
Other fabricated metal products	3,86	100,2	103,2	96,7	106,9	103,0	-3,6
General purpose machinery	2,51	100,8	97,3	95,3	98,7	99,8	1,1
Special purpose machinery	3,51	99,2	100,0	98,6	106,0	101,5	-4,2
Household appliances	0,81	88,2	84,0	91,5	86,4	84,0	-2,8
Electrical machinery	1,65	94,3	88,8	87,9	93,2	89,8	-3,6
Radio, television and communication apparatus and professional equipment	1,61	103,4	108,6	116,9	112,1	104,8	-6,5
Radio, television and communication apparatus	0,93	104,3	114,5	115,0	116,7	110,5	-5,3
Professional equipment	0,68	102,3	100,6	119,5	105,8	97,2	-8,1
Motor vehicles, parts and accessories and other transport equipment	6,86	99,8	96,5	101,5	97,8	102,9	5,2
Motor vehicles	2,43	97,5	91,4	97,1	97,8	102,0	4,3
Bodies for motor vehicles, trailers and semi-trailers	0,46	106,7	101,1	102,9	100,9	99,5	-1,4
Parts and accessories	2,76	103,4	97,7	109,7	101,6	105,0	3,3
Other transport equipment	1,21	93,5	101,9	91,1	87,9	101,1	15,0
Furniture and other manufacturing	3,20	98,2	82,9	91,5	102,1	98,5	-3,5
Furniture	1,09	100,3	98,6	94,4	92,8	89,5	-3,6
Other manufacturing groups	2,11	97,2	74,8	90,1	106,9	103,2	-3,5
Total	100	98,9	98,3	100,5	100,2	100,2	0,0

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	159 926
Mar	127 991	135 237	139 554	153 523	163 845	166 251	179 003
Apr	109 650	119 115	135 261	145 555	144 372	157 266	155 502
May	119 270	132 208	143 182	150 221	155 084	169 757	175 386
Jun	123 962	132 709	141 053	158 110	159 864	173 552	179 116
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	1,5	4,3
Mar	5,7	3,2	10,0	6,7	1,5	7,7	5,5
Apr	8,6	13,6	7,6	-0,8	8,9	-1,1	3,8
May	10,8	8,3	4,9	3,2	9,5	3,3	3,7
Jun	7,1	6,3	12,1	1,1	8,6	3,2	3,6
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	152 517	154 194	160 679	170 818	0,7	-2,3	0,8	1,1
Feb	155 312	152 634	164 579	168 996	1,8	-1,0	2,4	-1,1
Mar	150 136	159 141	164 234	170 465	-3,3	4,3	-0,2	0,9
Apr	156 341	155 206	165 470	171 710	4,1	-2,5	0,8	0,7
May	150 223	156 499	170 440	174 071	-3,9	0,8	3,0	1,4
Jun	156 366	156 593	170 009	174 616	4,1	0,1	-0,3	0,3
Jul	146 873	158 589	169 438		-6,1	1,3	-0,3	
Aug	157 182	158 195	169 555		7,0	-0,2	0,1	
Sep	157 138	160 529	170 384		0,0	1,5	0,5	
Oct	160 836	160 406	167 753		2,4	-0,1	-1,5	
Nov	157 640	158 508	171 845		-2,0	-1,2	2,4	
Dec	157 848	159 382	168 901		0,1	0,6	-1,7	

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

Manufacturing division and major group	Jan-17	Feb-17	Mar-17	¹ Apr-17	¹ May-17	¹ Jun-17
Food and beverages	35 517	37 381	41 386	38 892	40 162	41 609
Meat, fish, fruit, etc.	9 876	10 715	12 062	10 973	11 886	12 048
Dairy products	3 267	3 163	3 690	3 369	3 469	3 337
Grain mill products	5 740	5 583	6 517	5 555	6 124	6 013
Other food products	7 886	8 484	7 865	8 910	8 763	9 686
Beverages	8 748	9 436	11 251	10 085	9 921	10 525
Textiles, clothing, leather and footwear	3 402	4 302	4 874	4 226	4 630	4 496
Textiles	542	697	764	662	777	721
Other textile products	880	1 136	1 224	1 064	1 212	1 204
Knitted, crocheted articles	149	197	226	199	227	189
Wearing apparel	896	1 306	1 597	1 324	1 448	1 345
Leather and leather products	528	580	605	572	584	628
Footwear	406	386	458	406	382	409
Wood and wood products, paper, publishing and printing	10 861	12 342	13 289	11 001	12 759	13 077
Sawmilling and planing of wood	638	721	854	573	838	805
Products of wood	1 281	1 601	1 753	1 509	1 625	1 851
Paper and paper products	5 317	5 869	6 568	5 323	6 152	6 505
Publishing	1 520	1 674	1 613	1 475	1 602	1 552
Printing, recorded media	2 104	2 477	2 501	2 121	2 543	2 363
Petroleum, chemical products, rubber and plastic products	34 734	33 463	36 474	33 262	37 888	37 864
Coke, petroleum products and nuclear fuel	12 891	10 186	10 404	10 936	12 244	11 697
Basic chemicals	7 365	7 006	7 880	6 750	7 969	7 803
Other chemical products	9 067	9 622	11 274	9 593	10 918	11 187
Rubber products	1 143	1 571	1 655	1 292	1 559	1 589
Plastic products	4 268	5 078	5 262	4 691	5 198	5 588
Glass and non-metallic mineral products	3 369	4 079	5 082	4 187	5 111	5 070
Glass and glass products	694	646	727	662	854	829
Non-metallic mineral products	2 675	3 433	4 355	3 525	4 257	4 241
Basic iron and steel, non-ferrous metal products, metal products and machinery	31 609	34 942	40 080	35 140	38 525	38 242
Basic iron and steel products	10 872	10 061	11 790	11 527	11 175	10 862
Non-ferrous metal products	7 968	7 863	8 773	8 187	9 241	8 764
Structural metal products	1 961	2 998	3 007	2 343	2 823	3 086
Other fabricated metal products	4 647	5 909	6 569	5 562	6 749	6 570
General purpose machinery	2 473	3 036	3 251	2 810	3 244	3 392
Special purpose machinery	2 879	4 128	5 628	3 866	4 343	4 553
Household appliances	808	946	1 063	845	950	1 014
Electrical machinery	3 455	4 609	5 137	3 741	4 663	5 004
Radio, television and communication apparatus and professional equipment	1 619	2 197	2 495	2 198	2 264	2 222
Radio, television and communication apparatus	954	1 309	1 526	1 233	1 340	1 322
Professional equipment	665	888	969	965	924	901
Motor vehicles, parts and accessories and other transport equipment	16 328	20 822	24 616	17 645	22 774	25 284
Motor vehicles	9 172	11 575	13 769	9 758	13 013	14 613
Bodies for motor vehicles, trailers and semi-trailers	627	985	1 133	852	1 152	1 064
Parts and accessories	5 202	6 400	7 036	5 496	6 933	6 801
Other transport equipment	1 327	1 862	2 678	1 539	1 676	2 806
Furniture and other manufacturing	4 275	5 791	5 570	5 210	6 610	6 248
Furniture	811	1 237	1 298	1 140	1 319	1 261
Other manufacturing groups	3 464	4 554	4 272	4 070	5 291	4 987
Total	145 168	159 926	179 003	155 502	175 386	179 116

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	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
Food and beverages	6,1	5,8	3,9	5,3	2,8	3,6
Meat, fish, fruit, etc.	9,4	10,8	3,4	4,7	5,4	5,2
Dairy products	7,8	-0,6	6,4	5,4	8,9	4,6
Grain mill products	-2,0	-6,3	-4,9	-12,2	-13,1	-14,9
Other food products	8,9	22,5	11,2	8,8	7,8	10,3
Beverages	5,4	-1,6	4,4	15,5	5,4	8,6
Textiles, clothing, leather and footwear	4,2	-3,2	6,7	-7,0	-0,7	-1,1
Textiles	6,9	-2,4	1,1	-4,5	5,6	7,5
Other textile products	3,2	-1,7	11,6	-12,7	-1,9	3,3
Knitted, crocheted articles	5,7	-1,5	5,1	-8,3	0,9	-3,1
Wearing apparel	-1,6	-4,7	9,6	-4,1	-2,8	-7,4
Leather and leather products	1,7	-6,8	2,0	-4,3	0,2	-0,9
Footwear	20,8	1,8	2,2	-7,1	-2,3	-4,7
Wood and wood products, paper, publishing and printing	1,2	1,3	3,8	-0,3	5,5	-0,8
Sawmilling and planing of wood	15,4	0,8	18,0	-26,0	6,9	19,1
Products of wood	-6,3	-3,7	-2,3	-8,8	-1,2	7,2
Paper and paper products	-3,4	4,9	4,1	2,1	9,2	0,5
Publishing	8,4	-0,2	1,1	3,0	-2,8	-15,4
Printing, recorded media	10,6	-2,1	5,1	8,4	6,6	-4,5
Petroleum, chemical products, rubber and plastic products	9,6	0,9	6,5	1,1	4,9	4,1
Coke, petroleum products and nuclear fuel	19,7	13,2	-1,0	4,0	0,6	0,2
Basic chemicals	5,5	-7,5	10,4	-1,3	10,4	1,7
Other chemical products	8,6	-2,0	11,2	4,2	6,9	7,7
Rubber products	3,8	11,7	16,1	-9,4	5,7	4,7
Plastic products	-4,8	-5,4	4,1	-4,4	3,2	9,4
Glass and non-metallic mineral products	-5,5	-8,6	12,2	-8,1	3,6	2,7
Glass and glass products	2,8	-11,5	1,1	-7,9	-2,5	-4,6
Non-metallic mineral products	-7,4	-8,0	14,2	-8,1	4,9	4,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	15,6	1,9	15,0	5,2	6,9	3,2
Basic iron and steel products	33,5	10,7	32,8	24,0	9,6	2,6
Non-ferrous metal products	13,6	-4,5	8,5	-0,1	3,7	-1,1
Structural metal products	-8,1	-0,1	7,7	-8,4	1,5	6,8
Other fabricated metal products	6,3	-0,3	10,1	-0,5	10,6	7,4
General purpose machinery	17,4	7,2	7,8	-1,1	8,5	-1,7
Special purpose machinery	3,9	-1,1	11,7	-2,7	7,3	11,7
Household appliances	1,0	-8,7	-0,1	-9,7	-6,8	-4,4
Electrical machinery	-7,7	-11,4	-15,2	-20,5	-1,2	-6,8
Radio, television and communication apparatus and professional equipment	-5,4	4,6	17,9	21,2	10,6	-5,8
Radio, television and communication apparatus	-8,7	9,4	30,1	22,6	15,0	-5,8
Professional equipment	-0,3	-1,7	2,6	19,6	4,8	-5,6
Motor vehicles, parts and accessories and other transport equipment	4,5	-0,3	11,0	-20,5	-3,0	5,7
Motor vehicles	16,4	2,6	15,3	-19,7	0,1	15,1
Bodies for motor vehicles, trailers and semi-trailers	-4,7	6,6	27,4	-9,3	15,4	4,8
Parts and accessories	-5,3	-6,4	-0,3	-24,4	-10,8	-8,1
Other transport equipment	-16,8	1,9	17,0	-16,0	-1,1	-0,1
Furniture and other manufacturing	12,6	5,8	10,4	-0,1	0,0	10,7
Furniture	8,0	12,8	27,0	1,2	8,6	2,1
Other manufacturing groups	13,7	4,1	6,2	-0,5	-2,0	13,1
Total	7,6	1,5	7,7	-1,1	3,3	3,2

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

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

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

Manufacturing division and major group	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Month-on-month % change
Food and beverages	41 000	40 951	42 399	41 406	42 462	2,6
Meat, fish, fruit, etc.	12 084	11 412	11 970	11 817	11 983	1,4
Dairy products	3 462	3 499	3 605	3 553	3 490	-1,8
Grain mill products	6 206	6 149	6 023	5 955	5 879	-1,3
Other food products	8 902	8 757	8 996	9 052	9 495	4,9
Beverages	10 346	11 132	11 805	11 030	11 616	5,3
Textiles, clothing, leather and footwear	4 471	4 513	4 478	4 528	4 487	-0,9
Textiles	694	675	704	716	710	-0,8
Other textile products	1 138	1 141	1 117	1 146	1 141	-0,4
Knitted, crocheted articles	195	190	195	197	188	-4,6
Wearing apparel	1 426	1 495	1 424	1 456	1 443	-0,9
Leather and leather products	559	573	591	582	588	1,0
Footwear	460	440	446	431	416	-3,5
Wood and wood products, paper, publishing and printing	12 953	12 746	12 998	13 233	12 895	-2,6
Sawmilling and planing of wood	733	766	648	797	763	-4,3
Products of wood	1 676	1 651	1 653	1 679	1 738	3,5
Paper and paper products	6 219	6 104	6 169	6 355	6 174	-2,8
Publishing	1 755	1 704	1 728	1 713	1 691	-1,3
Printing, recorded media	2 570	2 520	2 800	2 690	2 528	-6,0
Petroleum, chemical products, rubber and plastic products	36 822	36 123	36 725	37 232	37 226	0,0
Coke, petroleum products and nuclear fuel	11 965	11 025	11 197	11 220	11 162	-0,5
Basic chemicals	7 772	7 799	7 870	7 997	7 852	-1,8
Other chemical products	10 352	10 586	10 900	11 090	10 962	-1,2
Rubber products	1 514	1 449	1 462	1 527	1 526	-0,1
Plastic products	5 219	5 265	5 296	5 397	5 725	6,1
Glass and non-metallic mineral products	4 467	4 885	4 740	4 930	4 785	-2,9
Glass and glass products	730	852	790	923	828	-10,3
Non-metallic mineral products	3 736	4 033	3 950	4 007	3 956	-1,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	35 358	36 832	37 822	36 837	36 236	-1,6
Basic iron and steel products	10 097	10 965	11 796	10 329	10 115	-2,1
Non-ferrous metal products	8 031	8 589	8 534	8 863	8 487	-4,2
Structural metal products	2 784	2 734	2 754	2 779	2 857	2,8
Other fabricated metal products	6 097	6 091	6 263	6 422	6 305	-1,8
General purpose machinery	3 157	3 149	3 105	3 203	3 087	-3,6
Special purpose machinery	4 260	4 378	4 426	4 318	4 434	2,7
Household appliances	933	925	944	925	952	2,9
Electrical machinery	4 577	4 532	4 342	4 789	4 621	-3,5
Radio, television and communication apparatus and professional equipment	2 303	2 363	2 637	2 407	2 255	-6,3
Radio, television and communication apparatus	1 392	1 474	1 602	1 492	1 390	-6,8
Professional equipment	910	889	1 035	915	865	-5,5
Motor vehicles, parts and accessories and other transport equipment	21 246	22 010	19 884	22 197	23 493	5,8
Motor vehicles	11 983	12 606	11 029	12 749	13 932	9,3
Bodies for motor vehicles, trailers and semi-trailers	1 005	990	969	1 044	997	-4,5
Parts and accessories	6 262	6 218	5 993	6 486	6 386	-1,5
Other transport equipment	1 996	2 197	1 892	1 918	2 179	13,6
Furniture and other manufacturing	5 799	5 510	5 686	6 511	6 156	-5,5
Furniture	1 347	1 370	1 319	1 293	1 257	-2,8
Other manufacturing groups	4 452	4 140	4 367	5 219	4 899	-6,1
Total	168 996	170 465	171 710	174 071	174 616	0,3

Survey information

- Introduction**
- 1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group.
 - 2 In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2015. Both estimated and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available.
 - 4 Stats SA is continuously updating its BSF, based on units registered for value added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
 - the manufacturing, processing, making or packing of products;
 - the slaughtering of animals, including poultry; and
 - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *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 June 2017 was 89,1%. The improved collection rate for May 2017 was 92,5%.
- 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 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 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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