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Production: results for March 2021

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

	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
Year-on-year % change, unadjusted	-3,9	-4,2	2,4	-4,3	-2,5	4,6
Month-on-month % change, seasonally adjusted	2,6	-0,9	0,7	-0,3	-1,1	3,4
3-month % change, seasonally adjusted ¹	17,2	8,9	5,4	2,2	0,3	0,3

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

Manufacturing production increased by 4,6% in March 2021 compared with March 2020. The largest positive contributions were made by the following divisions:

- food and beverages (10,4% and contributing 3,0 percentage points); and
- motor vehicles, parts and accessories and other transport equipment (25,9% and contributing 2,1 percentage points).

The petroleum, chemical products, rubber and plastic products division (-7,1% and contributing -1,5 percentage points) was a significant negative contributor – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 3,4% in March 2021 compared with February 2021. This followed month-on-month changes of -1,1% in February 2021 and -0,3% in January 2021 – see Table A.

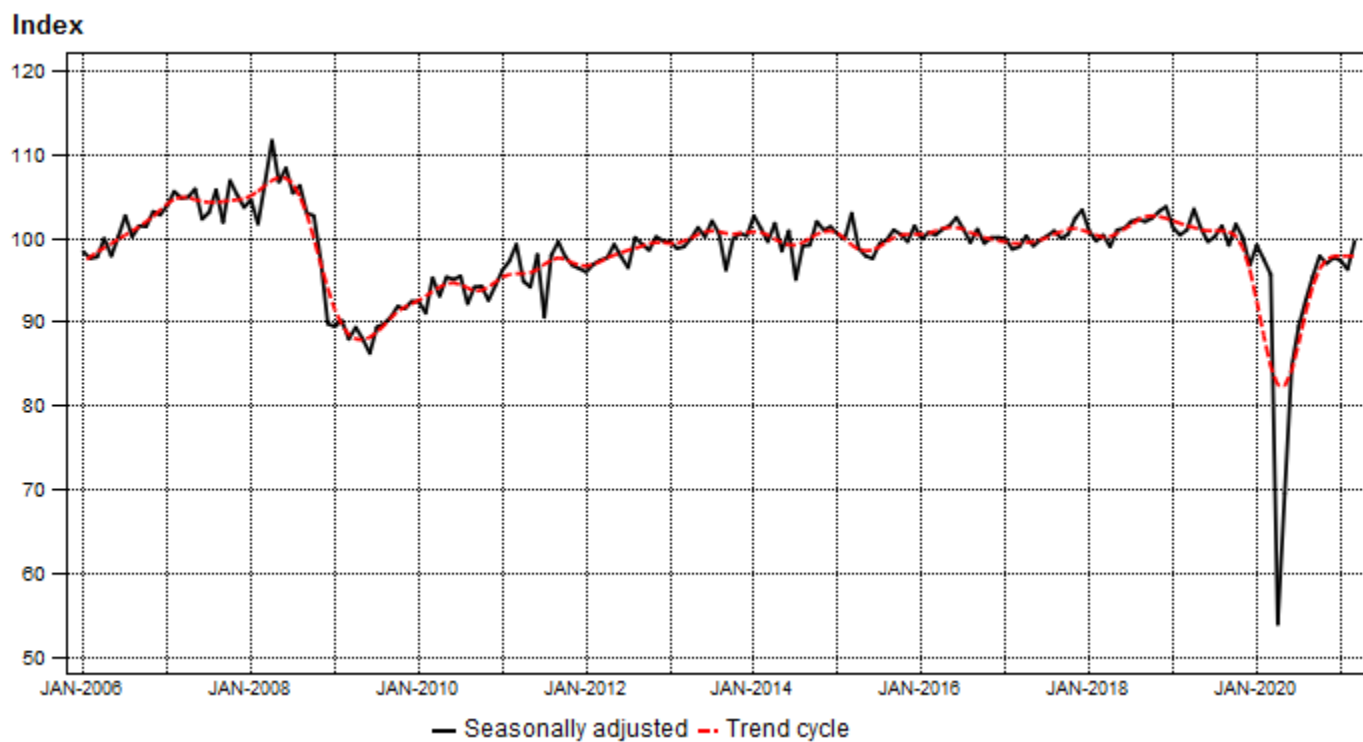
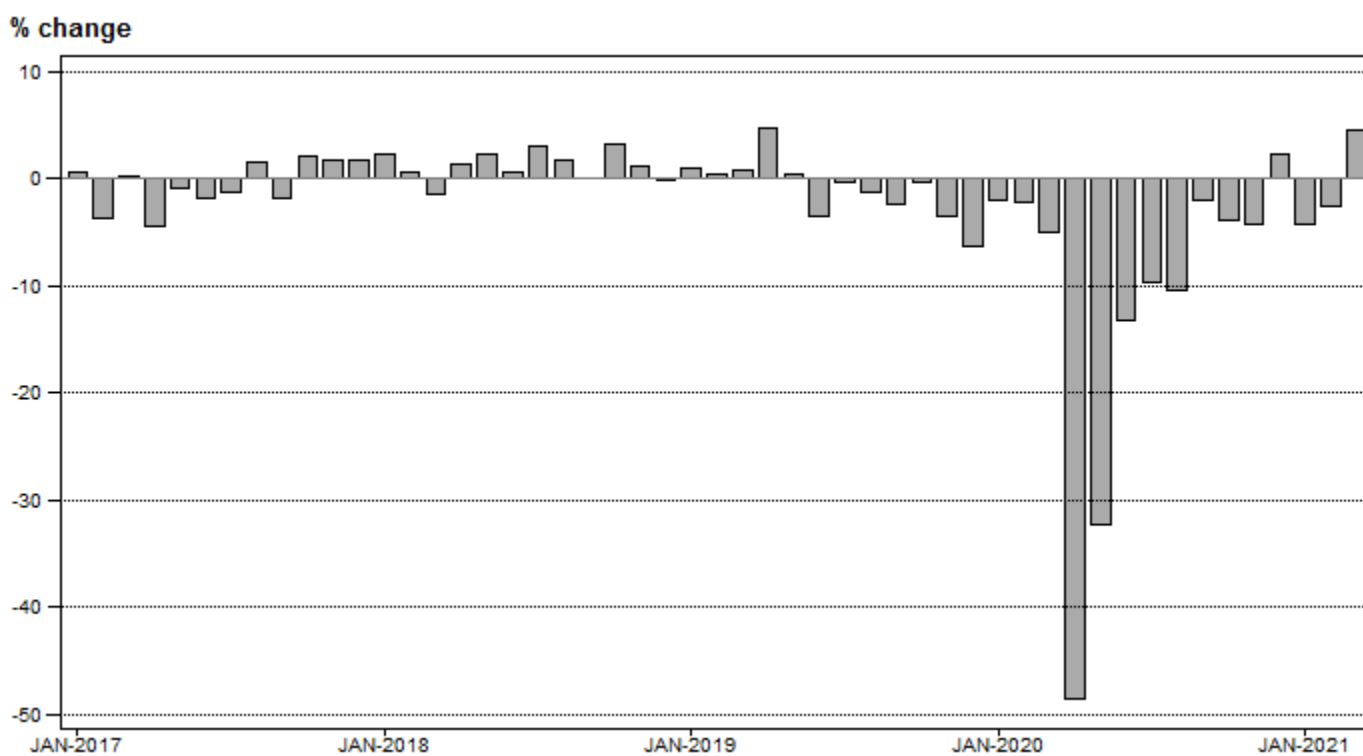
Seasonally adjusted manufacturing production increased by 0,3% in the first quarter of 2021 compared with the fourth quarter of 2020. Five of the ten manufacturing divisions reported positive growth rates over this period.

The largest positive contribution was made by the motor vehicles, parts and accessories and other transport equipment division (12,4% and contributing 1,0 percentage point).

The largest negative contribution was made by the petroleum, chemical products, rubber and plastic products division (-4,5% and contributing -0,9 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	Oct – Dec 2020	Jan – Mar 2021	% change between Oct – Dec 2020 and Jan – Mar 2021	Contribution (% points) to the total % change
Food and beverages	27,14	111,1	111,2	0,1	0,0
Meat, fish, fruit, etc.	6,75	105,5	104,1	-1,3	-0,1
Dairy products	2,27	116,5	115,1	-1,2	0,0
Grain mill products	3,55	94,9	93,6	-1,4	0,0
Other food products	8,45	120,9	125,0	3,4	0,4
Beverages	6,12	111,1	108,6	-2,3	-0,2
Textiles, clothing, leather and footwear	3,08	82,1	83,8	2,1	0,1
Textiles	0,77	103,9	109,4	5,3	0,0
Other textile products	0,39	79,1	80,0	1,1	0,0
Knitted, crocheted articles	0,09	72,5	69,4	-4,3	0,0
Wearing apparel	1,02	70,6	71,3	1,0	0,0
Leather and leather products	0,46	65,5	64,9	-0,9	0,0
Footwear	0,35	95,5	97,1	1,7	0,0
Wood and wood products, paper, publishing and printing	11,46	88,1	89,6	1,7	0,2
Sawmilling and planing of wood	1,74	86,3	89,8	4,1	0,1
Products of wood	2,61	102,5	104,6	2,0	0,1
Paper and paper products	4,13	87,2	88,6	1,6	0,1
Publishing	1,43	68,8	66,8	-2,9	0,0
Printing, recorded media	1,55	85,8	87,5	2,0	0,0
Petroleum, chemical products, rubber and plastic products	22,52	91,2	87,1	-4,5	-0,9
Coke, petroleum products and nuclear fuel	8,34	76,2	63,7	-16,4	-1,1
Basic chemicals	4,15	106,2	101,6	-4,3	-0,2
Other chemical products	6,15	94,0	99,5	5,9	0,3
Rubber products	1,19	94,9	103,6	9,2	0,1
Plastic products	2,69	106,1	101,6	-4,2	-0,1
Glass and non-metallic mineral products	3,06	94,8	98,3	3,7	0,1
Glass and glass products	0,65	113,6	116,6	2,6	0,0
Non-metallic mineral products	2,41	89,7	93,3	4,0	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,59	96,2	96,1	-0,1	0,0
Basic iron and steel products	3,49	91,5	89,2	-2,5	-0,1
Non-ferrous metal products	2,68	96,4	98,4	2,1	0,1
Structural metal products	2,02	84,8	83,5	-1,5	0,0
Other fabricated metal products	3,73	105,5	104,0	-1,4	-0,1
General purpose machinery	2,57	95,9	95,4	-0,5	0,0
Special purpose machinery	3,35	97,2	101,8	4,7	0,2
Household appliances	0,75	98,4	92,2	-6,3	0,0
Electrical machinery	1,64	78,3	78,1	-0,3	0,0
Radio, television and communication apparatus and professional equipment	1,52	88,5	81,1	-8,4	-0,1
Radio, television and communication apparatus	0,91	94,0	83,2	-11,5	-0,1
Professional equipment	0,61	80,2	77,9	-2,9	0,0
Motor vehicles, parts and accessories and other transport equipment	7,96	100,8	113,3	12,4	1,0
Motor vehicles	3,03	93,3	105,3	12,9	0,4
Bodies for motor vehicles, trailers and semi-trailers	0,49	122,3	117,5	-3,9	0,0
Parts and accessories	3,21	116,0	135,8	17,1	0,7
Other transport equipment	1,23	71,1	72,5	2,0	0,0
Furniture and other manufacturing	3,03	92,7	89,2	-3,8	-0,1
Furniture	1,06	77,2	76,7	-0,6	0,0
Other manufacturing groups	1,97	101,0	95,8	-5,1	-0,1
Total	100	97,5	97,8	0,3	0,3

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 March 2021**Table C – Key growth rates in manufacturing sales at current prices**

	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
Year-on-year % change, unadjusted	-0,9	1,6	5,9	0,2	3,4	17,8
Month-on-month % change, seasonally adjusted	3,0	1,3	0,0	0,1	3,5	5,9
3-month % change, seasonally adjusted ¹	19,4	12,1	8,3	4,7	3,1	4,9

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

Seasonally adjusted manufacturing sales increased by 5,9% in March 2021 compared with February 2021. This followed month-on-month changes of 3,5% in February 2021 and 0,1% in January 2021 – see Table C.

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

Manufacturing division	Oct – Dec 2020 (R million)	Jan – Mar 2021 (R million)	% change between Oct – Dec 2020 and Jan – Mar 2021	Contribution (% points) to the total % change
Food and beverages	152 505	155 974	2,3	0,6
Textiles, clothing, leather and footwear	14 207	14 710	3,5	0,1
Wood and wood products, paper, publishing and printing	40 371	41 390	2,5	0,2
Petroleum, chemical products, rubber and plastic products	110 113	112 767	2,4	0,4
Glass and non-metallic mineral products	17 926	18 519	3,3	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	133 976	150 009	12,0	2,7
Electrical machinery	14 716	14 383	-2,3	-0,1
Radio, television and communication apparatus and professional equipment	6 593	6 128	-7,1	-0,1
Motor vehicles, parts and accessories and other transport equipment	84 404	88 866	5,3	0,7
Furniture and other manufacturing	22 511	23 633	5,0	0,2
Total	597 323	626 376	4,9	4,9

Risenga Maluleke
Statistician-General

Tables

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

Month	2015	2016	2017	2018	2019	2020	2021 ¹
Jan	87,0	84,8	85,3	87,3	88,1	86,4	82,7
Feb	95,6	97,6	94,0	94,6	95,1	93,1	90,8
Mar	103,8	101,4	101,7	100,2	101,0	95,9	100,3
Apr	92,4	95,4	91,1	92,3	96,6	49,6	
May	97,4	101,4	100,6	103,0	103,4	70,0	
Jun	98,8	103,8	101,9	102,5	99,0	85,9	
Jul	102,0	101,5	100,3	103,3	102,9	93,0	
Aug	101,2	103,5	105,2	107,0	105,6	94,6	
Sep	107,0	107,3	105,3	105,3	102,9	100,8	
Oct	110,9	107,8	110,1	113,7	113,3	108,9	
Nov	109,7	112,1	114,1	115,5	111,4	106,7	
Dec	94,1	92,0	93,7	93,6	87,7	89,8	
Total	100,0	100,7	100,3	101,5	100,6	89,6	

¹ The latest three months are preliminary.

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

Month	2016	2017	2018	2019	2020	2021	2021 year-to-date
Jan	-2,5	0,6	2,3	0,9	-1,9	-4,3	-4,3
Feb	2,1	-3,7	0,6	0,5	-2,1	-2,5	-3,3
Mar	-2,3	0,3	-1,5	0,8	-5,0	4,6	-0,5
Apr	3,2	-4,5	1,3	4,7	-48,7		
May	4,1	-0,8	2,4	0,4	-32,3		
Jun	5,1	-1,8	0,6	-3,4	-13,2		
Jul	-0,5	-1,2	3,0	-0,4	-9,6		
Aug	2,3	1,6	1,7	-1,3	-10,4		
Sep	0,3	-1,9	0,0	-2,3	-2,0		
Oct	-2,8	2,1	3,3	-0,4	-3,9		
Nov	2,2	1,8	1,2	-3,5	-4,2		
Dec	-2,2	1,8	-0,1	-6,3	2,4		
Total	0,7	-0,4	1,2	-0,9	-10,9		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2015=100)				Month-on-month % change			
	2018	2019	2020	2021	2018	2019	2020	2021
Jan	100,9	101,3	99,2	97,4	-2,4	-2,4	2,5	-0,3
Feb	99,7	100,4	97,5	96,3	-1,2	-0,9	-1,7	-1,1
Mar	100,4	101,0	95,7	99,6	0,7	0,6	-1,8	3,4
Apr	99,0	103,5	54,0		-1,4	2,5	-43,6	
May	101,0	101,2	69,6		2,0	-2,2	28,9	
Jun	101,2	99,6	84,7		0,2	-1,6	21,7	
Jul	102,0	100,2	89,5		0,8	0,6	5,7	
Aug	102,3	101,5	92,6		0,3	1,3	3,5	
Sep	102,0	99,2	95,4		-0,3	-2,3	3,0	
Oct	102,4	101,7	97,9		0,4	2,5	2,6	
Nov	103,2	100,1	97,0		0,8	-1,6	-0,9	
Dec	103,8	96,8	97,7		0,6	-3,3	0,7	

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

Manufacturing division and major group	Weights	Oct-20	Nov-20	Dec-20	¹ Jan-21	¹ Feb-21	¹ Mar-21
Food and beverages	27,14	123,3	120,5	119,0	89,9	98,0	113,0
Meat, fish, fruit, etc.	6,75	115,3	108,4	113,4	93,1	97,1	104,8
Dairy products	2,27	123,1	126,1	131,9	110,5	101,3	119,6
Grain mill products	3,55	100,4	102,0	96,2	83,6	87,5	95,4
Other food products	8,45	132,9	133,9	111,0	101,4	92,8	109,2
Beverages	6,12	132,4	124,2	144,8	66,5	111,0	135,1
Textiles, clothing, leather and footwear	3,08	95,8	93,6	69,7	61,6	79,9	85,4
Textiles	0,77	106,8	116,6	75,2	86,0	104,8	121,3
Other textile products	0,39	96,0	91,4	59,8	62,0	79,9	81,5
Knitted, crocheted articles	0,09	74,4	70,0	57,6	49,7	71,9	69,2
Wearing apparel	1,02	90,9	84,2	64,2	42,8	67,6	67,9
Leather and leather products	0,46	76,6	67,8	64,2	60,1	60,8	63,1
Footwear	0,35	116,3	113,2	95,0	67,7	88,3	95,5
Wood and wood products, paper, publishing and printing	11,46	98,6	101,4	79,1	76,5	84,4	89,1
Sawmilling and planing of wood	1,74	101,0	92,0	59,1	78,7	83,8	94,2
Products of wood	2,61	123,6	112,8	82,6	87,0	96,3	99,4
Paper and paper products	4,13	89,1	95,7	86,4	79,3	86,4	90,9
Publishing	1,43	75,8	87,5	72,2	52,3	63,8	64,0
Printing, recorded media	1,55	100,5	120,7	82,4	71,4	78,9	84,2
Petroleum, chemical products, rubber and plastic products	22,52	102,7	99,6	81,6	81,7	81,9	86,6
Coke, petroleum products and nuclear fuel	8,34	85,4	74,7	68,5	66,6	60,5	64,0
Basic chemicals	4,15	119,9	117,7	100,3	101,4	90,6	96,9
Other chemical products	6,15	103,6	106,1	91,9	86,6	94,0	99,8
Rubber products	1,19	102,8	111,1	42,7	91,3	106,8	109,2
Plastic products	2,69	128,1	128,6	87,1	82,9	96,0	100,7
Glass and non-metallic mineral products	3,06	110,3	106,1	76,3	78,8	86,7	98,0
Glass and glass products	0,65	131,1	135,7	103,8	108,1	104,4	111,1
Non-metallic mineral products	2,41	104,6	98,1	68,8	70,9	81,9	94,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,59	105,0	99,9	84,0	82,9	91,1	104,9
Basic iron and steel products	3,49	97,6	83,9	83,0	93,1	84,3	103,3
Non-ferrous metal products	2,68	104,9	91,7	93,1	91,0	93,3	101,0
Structural metal products	2,02	92,7	97,3	64,4	61,5	80,1	87,0
Other fabricated metal products	3,73	123,8	112,4	78,3	88,6	94,5	109,3
General purpose machinery	2,57	101,1	108,1	87,5	67,8	90,8	97,0
Special purpose machinery	3,35	102,1	100,5	94,8	80,5	99,8	124,3
Household appliances	0,75	106,9	117,6	76,2	97,7	90,5	93,1
Electrical machinery	1,64	85,2	84,4	60,2	66,3	74,4	79,6
Radio, television and communication apparatus and professional equipment	1,52	97,7	104,4	95,2	61,4	75,0	87,8
Radio, television and communication apparatus	0,91	105,4	113,0	103,0	61,3	78,3	90,3
Professional equipment	0,61	86,4	91,8	83,7	61,6	70,2	84,0
Motor vehicles, parts and accessories and other transport equipment	7,96	112,8	112,8	61,0	90,6	112,9	122,0
Motor vehicles	3,03	110,8	109,4	41,1	76,6	102,8	111,6
Bodies for motor vehicles, trailers and semi-trailers	0,49	134,1	152,1	79,2	86,2	119,2	117,5
Parts and accessories	3,21	126,2	124,2	74,2	116,4	139,1	147,0
Other transport equipment	1,23	74,5	75,5	68,0	59,3	66,6	84,1
Furniture and other manufacturing	3,03	110,2	109,6	86,7	71,3	87,5	81,8
Furniture	1,06	96,4	99,8	66,3	55,7	67,2	68,4
Other manufacturing groups	1,97	117,7	114,9	97,7	79,6	98,3	89,0
Total	100	108,9	106,7	89,8	82,7	90,8	100,3

¹ The latest three months are preliminary.

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

Manufacturing division and major group	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
Food and beverages	0,4	-4,1	7,1	-6,1	-0,4	10,4
Meat, fish, fruit, etc.	1,1	-3,2	7,1	-0,6	-1,9	-3,5
Dairy products	-3,6	7,2	10,8	1,6	-0,3	8,9
Grain mill products	-5,4	-4,6	0,9	-8,3	-5,8	-5,7
Other food products	-3,1	1,8	10,2	4,9	-0,6	11,8
Beverages	9,9	-15,0	5,5	-29,4	4,1	35,0
Textiles, clothing, leather and footwear	-3,7	-2,1	4,7	2,7	4,4	12,1
Textiles	-6,2	9,9	30,8	21,1	14,3	38,8
Other textile products	-6,3	-14,1	-2,8	-8,7	-8,1	-2,7
Knitted, crocheted articles	-5,1	-5,9	16,6	1,0	7,0	3,6
Wearing apparel	-4,0	-6,5	-8,8	-8,9	-2,0	-0,9
Leather and leather products	1,7	4,5	13,8	7,5	-3,2	1,0
Footwear	0,3	-7,9	-4,6	-7,3	20,5	10,5
Wood and wood products, paper, publishing and printing	-6,4	-2,2	1,8	-2,3	-1,2	-1,0
Sawmilling and planing of wood	0,3	-5,0	-15,0	-8,1	-4,0	8,0
Products of wood	4,9	1,5	13,5	12,4	4,6	4,1
Paper and paper products	-11,7	-3,0	0,6	-3,9	-0,8	-5,0
Publishing	-19,6	-3,0	6,0	-14,3	-2,0	1,4
Printing, recorded media	-9,5	-3,2	0,6	-6,3	-8,6	-9,9
Petroleum, chemical products, rubber and plastic products	-7,5	-9,6	-11,0	-14,2	-8,4	-7,1
Coke, petroleum products and nuclear fuel	-25,6	-32,5	-31,9	-37,5	-26,2	-25,1
Basic chemicals	15,3	13,7	14,8	1,2	3,7	-1,8
Other chemical products	-2,9	-3,0	-0,5	3,8	3,0	4,8
Rubber products	-2,7	8,8	-20,2	14,0	-8,5	14,2
Plastic products	5,1	3,2	1,4	-3,7	-3,4	-2,9
Glass and non-metallic mineral products	4,8	6,3	7,3	7,9	6,9	23,9
Glass and glass products	-1,7	3,5	-2,8	0,6	0,6	22,0
Non-metallic mineral products	7,2	7,4	12,1	11,5	9,2	24,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	-5,3	-6,5	3,6	-1,7	-4,7	2,2
Basic iron and steel products	-21,6	-23,7	-7,7	-16,4	-24,3	-9,2
Non-ferrous metal products	-0,1	-13,8	8,8	1,1	1,9	5,2
Structural metal products	-7,6	-3,8	10,1	-1,9	-9,5	0,9
Other fabricated metal products	8,4	4,7	19,7	13,2	-0,9	14,7
General purpose machinery	-4,4	-2,3	-1,8	-4,4	-0,1	1,0
Special purpose machinery	-7,2	-2,3	2,2	4,8	10,8	3,5
Household appliances	3,5	7,4	-7,6	-8,9	-7,4	-6,7
Electrical machinery	-0,7	-1,4	9,5	10,1	2,2	0,4
Radio, television and communication apparatus and professional equipment	-6,1	-3,1	8,2	-14,7	-11,3	-4,5
Radio, television and communication apparatus	-6,1	-1,9	9,7	-19,3	-15,5	-3,7
Professional equipment	-5,9	-5,0	5,4	-6,9	-3,3	-5,6
Motor vehicles, parts and accessories and other transport equipment	-5,5	8,7	21,3	27,2	10,0	25,9
Motor vehicles	-8,3	11,7	30,5	26,8	-2,6	31,8
Bodies for motor vehicles, trailers and semi-trailers	-2,7	22,6	24,5	10,9	30,3	25,7
Parts and accessories	-2,1	9,6	37,2	40,7	24,6	32,2
Other transport equipment	-11,1	-11,3	-16,4	-8,8	-12,7	-7,5
Furniture and other manufacturing	-5,2	-5,1	7,3	-13,6	-17,6	-2,4
Furniture	-8,9	-7,2	-6,0	-5,3	-13,1	-7,7
Other manufacturing groups	-3,4	-4,1	13,2	-16,4	-19,2	0,0
Total	-3,9	-4,2	2,4	-4,3	-2,5	4,6

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	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
Food and beverages	27,14	0,1	-1,2	2,4	-1,8	-0,1	3,0
Meat, fish, fruit, etc.	6,75	0,1	-0,2	0,6	0,0	-0,1	-0,3
Dairy products	2,27	-0,1	0,2	0,3	0,0	0,0	0,2
Grain mill products	3,55	-0,2	-0,2	0,0	-0,3	-0,2	-0,2
Other food products	8,45	-0,3	0,2	1,0	0,5	-0,1	1,0
Beverages	6,12	0,6	-1,2	0,5	-2,0	0,3	2,2
Textiles, clothing, leather and footwear	3,08	-0,1	-0,1	0,1	0,1	0,1	0,3
Textiles	0,77	0,0	0,1	0,2	0,1	0,1	0,3
Other textile products	0,39	0,0	-0,1	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	1,02	0,0	-0,1	-0,1	0,0	0,0	0,0
Leather and leather products	0,46	0,0	0,0	0,0	0,0	0,0	0,0
Footwear	0,35	0,0	0,0	0,0	0,0	0,1	0,0
Wood and wood products, paper, publishing and printing	11,46	-0,7	-0,2	0,2	-0,2	-0,1	-0,1
Sawmilling and planing of wood	1,74	0,0	-0,1	-0,2	-0,1	-0,1	0,1
Products of wood	2,61	0,1	0,0	0,3	0,3	0,1	0,1
Paper and paper products	4,13	-0,4	-0,1	0,0	-0,2	0,0	-0,2
Publishing	1,43	-0,2	0,0	0,1	-0,1	0,0	0,0
Printing, recorded media	1,55	-0,1	-0,1	0,0	-0,1	-0,1	-0,1
Petroleum, chemical products, rubber and plastic products	22,52	-1,6	-2,1	-2,6	-3,5	-1,8	-1,5
Coke, petroleum products and nuclear fuel	8,34	-2,2	-2,7	-3,1	-3,9	-1,9	-1,9
Basic chemicals	4,15	0,6	0,5	0,6	0,1	0,1	-0,1
Other chemical products	6,15	-0,2	-0,2	0,0	0,2	0,2	0,3
Rubber products	1,19	0,0	0,1	-0,1	0,2	-0,1	0,2
Plastic products	2,69	0,1	0,1	0,0	-0,1	-0,1	-0,1
Glass and non-metallic mineral products	3,06	0,1	0,2	0,2	0,2	0,2	0,6
Glass and glass products	0,65	0,0	0,0	0,0	0,0	0,0	0,1
Non-metallic mineral products	2,41	0,1	0,1	0,2	0,2	0,2	0,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,59	-1,0	-1,2	0,6	-0,3	-0,9	0,4
Basic iron and steel products	3,49	-0,8	-0,8	-0,3	-0,7	-1,0	-0,4
Non-ferrous metal products	2,68	0,0	-0,4	0,2	0,0	0,0	0,1
Structural metal products	2,02	-0,1	-0,1	0,1	0,0	-0,2	0,0
Other fabricated metal products	3,73	0,3	0,2	0,5	0,4	0,0	0,5
General purpose machinery	2,57	-0,1	-0,1	0,0	-0,1	0,0	0,0
Special purpose machinery	3,35	-0,2	-0,1	0,1	0,1	0,3	0,1
Household appliances	0,75	0,0	0,1	-0,1	-0,1	-0,1	-0,1
Electrical machinery	1,64	0,0	0,0	0,1	0,1	0,0	0,0
Radio, television and communication apparatus and professional equipment	1,52	-0,1	0,0	0,1	-0,2	-0,2	-0,1
Radio, television and communication apparatus	0,91	-0,1	0,0	0,1	-0,2	-0,1	0,0
Professional equipment	0,61	0,0	0,0	0,0	0,0	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	7,96	-0,5	0,6	1,0	1,8	0,9	2,1
Motor vehicles	3,03	-0,3	0,3	0,3	0,6	-0,1	0,8
Bodies for motor vehicles, trailers and semi-trailers	0,49	0,0	0,1	0,1	0,0	0,1	0,1
Parts and accessories	3,21	-0,1	0,3	0,7	1,3	0,9	1,2
Other transport equipment	1,23	-0,1	-0,1	-0,2	-0,1	-0,1	-0,1
Furniture and other manufacturing	3,03	-0,2	-0,2	0,2	-0,4	-0,6	-0,1
Furniture	1,06	-0,1	-0,1	-0,1	0,0	-0,1	-0,1
Other manufacturing groups	1,97	-0,1	-0,1	0,3	-0,4	-0,5	0,0
Total	100	-3,9	-4,2	2,4	-4,3	-2,5	4,6

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	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Month-on-month % change
Food and beverages	27,14	109,6	111,4	106,7	110,8	116,1	4,8
Meat, fish, fruit, etc.	6,75	101,9	105,0	106,1	103,9	102,4	-1,4
Dairy products	2,27	116,9	121,4	113,0	114,8	117,4	2,3
Grain mill products	3,55	92,8	94,5	94,4	94,8	91,7	-3,3
Other food products	8,45	123,1	121,3	131,7	115,9	127,5	10,0
Beverages	6,12	106,4	111,0	77,8	119,1	129,0	8,3
Textiles, clothing, leather and footwear	3,08	80,9	85,4	84,5	81,9	85,1	3,9
Textiles	0,77	106,0	113,4	113,4	100,6	114,1	13,4
Other textile products	0,39	77,4	79,7	79,8	78,7	81,5	3,6
Knitted, crocheted articles	0,09	66,1	81,0	67,3	72,0	68,8	-4,4
Wearing apparel	1,02	67,5	71,5	71,3	72,3	70,2	-2,9
Leather and leather products	0,46	64,9	66,8	66,5	63,3	64,8	2,4
Footwear	0,35	93,7	95,9	92,8	99,0	99,5	0,5
Wood and wood products, paper, publishing and printing	11,46	88,5	88,5	90,2	89,4	89,1	-0,3
Sawmilling and planing of wood	1,74	90,0	80,8	91,5	89,5	88,3	-1,3
Products of wood	2,61	99,5	105,7	109,6	102,2	102,1	-0,1
Paper and paper products	4,13	87,8	87,2	87,3	89,9	88,6	-1,4
Publishing	1,43	68,4	72,1	65,0	67,5	68,0	0,7
Printing, recorded media	1,55	88,7	87,1	87,3	86,5	88,8	2,7
Petroleum, chemical products, rubber and plastic products	22,52	91,8	87,1	88,5	85,6	87,3	2,0
Coke, petroleum products and nuclear fuel	8,34	74,7	68,5	66,6	60,5	64,0	5,8
Basic chemicals	4,15	107,6	104,5	103,1	101,1	100,7	-0,4
Other chemical products	6,15	95,0	93,9	99,9	98,5	100,2	1,7
Rubber products	1,19	105,9	84,9	104,7	101,3	104,8	3,5
Plastic products	2,69	106,6	103,5	100,4	102,8	101,6	-1,2
Glass and non-metallic mineral products	3,06	94,7	94,3	99,8	96,1	99,0	3,0
Glass and glass products	0,65	115,6	110,4	116,2	114,0	119,6	4,9
Non-metallic mineral products	2,41	89,0	89,9	95,3	91,3	93,4	2,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,59	94,0	99,3	98,6	93,1	96,6	3,8
Basic iron and steel products	3,49	84,4	99,6	90,9	82,5	94,2	14,2
Non-ferrous metal products	2,68	91,8	99,0	98,4	99,3	97,5	-1,8
Structural metal products	2,02	85,0	87,8	85,4	78,8	86,4	9,6
Other fabricated metal products	3,73	102,4	106,8	112,8	95,7	103,5	8,2
General purpose machinery	2,57	97,6	97,2	94,9	96,2	95,1	-1,1
Special purpose machinery	3,35	96,8	101,1	101,9	103,3	100,1	-3,1
Household appliances	0,75	104,6	92,8	98,4	90,3	88,0	-2,5
Electrical machinery	1,64	76,6	81,1	82,7	77,6	73,9	-4,8
Radio, television and communication apparatus and professional equipment	1,52	87,1	92,4	79,1	79,9	84,2	5,4
Radio, television and communication apparatus	0,91	91,6	100,1	78,7	81,4	89,5	10,0
Professional equipment	0,61	80,4	81,1	79,7	77,6	76,4	-1,5
Motor vehicles, parts and accessories and other transport equipment	7,96	104,3	100,8	112,6	111,7	115,6	3,5
Motor vehicles	3,03	99,6	91,7	104,8	100,9	110,1	9,1
Bodies for motor vehicles, trailers and semi-trailers	0,49	135,2	113,9	118,6	120,1	113,8	-5,2
Parts and accessories	3,21	116,5	119,4	134,0	136,1	137,2	0,8
Other transport equipment	1,23	71,5	69,6	73,3	71,0	73,3	3,2
Furniture and other manufacturing	3,03	88,9	98,4	89,3	82,8	95,4	15,2
Furniture	1,06	76,4	78,5	82,0	71,2	77,0	8,1
Other manufacturing groups	1,97	95,6	109,0	93,3	89,0	105,2	18,2
Total	100	97,0	97,7	97,4	96,3	99,6	3,4

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

Month	2015	2016	2017	2018	2019	2020	2021 ¹
Jan	133 473	137 588	147 728	154 687	169 331	168 088	168 405
Feb	148 453	160 923	163 040	173 909	184 231	189 141	195 650
Mar	167 441	169 906	182 917	185 238	201 129	190 760	224 686
Apr	147 271	160 631	158 360	165 218	189 590	93 502	
May	158 343	173 256	179 649	191 930	199 608	138 457	
Jun	163 277	177 291	183 043	191 836	199 200	167 697	
Jul	163 881	170 938	174 766	193 760	202 907	179 737	
Aug	161 763	177 283	186 082	201 305	211 321	186 140	
Sep	172 491	184 513	188 393	204 075	204 710	201 162	
Oct	178 929	183 891	197 103	220 644	222 511	220 548	
Nov	179 830	195 991	213 656	225 502	220 858	224 344	
Dec	155 988	163 327	173 384	182 375	176 429	186 801	
Total	1 931 140	2 055 538	2 148 121	2 290 479	2 381 825	2 146 377	

¹ The latest three months are preliminary.

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

Month	2016	2017	2018	2019	2020	2021	2021 year-to-date
Jan	3,1	7,4	4,7	9,5	-0,7	0,2	0,2
Feb	8,4	1,3	6,7	5,9	2,7	3,4	1,9
Mar	1,5	7,7	1,3	8,6	-5,2	17,8	7,4
Apr	9,1	-1,4	4,3	14,8	-50,7		
May	9,4	3,7	6,8	4,0	-30,6		
Jun	8,6	3,2	4,8	3,8	-15,8		
Jul	4,3	2,2	10,9	4,7	-11,4		
Aug	9,6	5,0	8,2	5,0	-11,9		
Sep	7,0	2,1	8,3	0,3	-1,7		
Oct	2,8	7,2	11,9	0,8	-0,9		
Nov	9,0	9,0	5,5	-2,1	1,6		
Dec	4,7	6,2	5,2	-3,3	5,9		
Total	6,4	4,5	6,6	4,0	-9,9		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2018	2019	2020	2021	2018	2019	2020	2021
Jan	181 996	198 000	195 336	200 087	-2,8	-0,1	3,6	0,1
Feb	184 975	195 649	201 397	207 065	1,6	-1,2	3,1	3,5
Mar	185 043	198 781	187 969	219 224	0,0	1,6	-6,7	5,9
Apr	177 395	204 584	102 168		-4,1	2,9	-45,6	
May	189 721	196 658	138 963		6,9	-3,9	36,0	
Jun	188 729	200 543	165 378		-0,5	2,0	19,0	
Jul	193 563	200 155	175 820		2,6	-0,2	6,3	
Aug	193 466	205 014	184 188		-0,1	2,4	4,8	
Sep	199 042	198 022	191 657		2,9	-3,4	4,1	
Oct	198 349	199 636	197 443		-0,3	0,8	3,0	
Nov	197 316	194 510	199 923		-0,5	-2,6	1,3	
Dec	198 209	188 602	199 957		0,5	-3,0	0,0	

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

Manufacturing division and major group	Oct-20	Nov-20	Dec-20	¹ Jan-21	¹ Feb-21	¹ Mar-21
Food and beverages	56 637	55 836	58 748	39 629	50 789	54 966
Meat, fish, fruit, etc.	15 504	15 285	15 972	12 259	13 087	15 031
Dairy products	4 683	4 809	4 871	4 261	4 100	4 801
Grain mill products	8 331	8 296	8 022	7 019	7 250	8 263
Other food products	12 411	11 415	11 496	10 256	9 735	9 993
Beverages	15 707	16 031	18 387	5 834	16 616	16 878
Textiles, clothing, leather and footwear	5 455	5 678	4 122	3 582	4 547	4 837
Textiles	775	787	561	565	705	756
Other textile products	1 643	1 628	1 037	1 034	1 371	1 440
Knitted, crocheted articles	199	192	159	143	201	201
Wearing apparel	1 640	1 803	1 318	886	1 266	1 383
Leather and leather products	541	571	521	500	489	495
Footwear	659	697	525	455	516	562
Wood and wood products, paper, publishing and printing	14 467	15 885	12 871	11 634	13 007	13 769
Sawmilling and planing of wood	951	922	600	775	815	882
Products of wood	2 285	2 212	1 581	1 717	1 838	1 931
Paper and paper products	6 628	7 190	6 627	5 863	6 566	7 124
Publishing	1 424	1 716	1 425	1 024	1 271	1 228
Printing, recorded media	3 178	3 844	2 638	2 255	2 517	2 604
Petroleum, chemical products, rubber and plastic products	40 650	41 805	35 073	33 740	33 695	37 863
Coke, petroleum products and nuclear fuel	7 907	8 346	7 671	8 178	6 267	7 692
Basic chemicals	9 949	10 309	8 134	8 238	8 056	9 398
Other chemical products	13 799	14 210	12 960	11 104	11 875	12 986
Rubber products	1 707	1 635	1 120	1 274	1 670	1 569
Plastic products	7 288	7 304	5 187	4 946	5 828	6 218
Glass and non-metallic mineral products	6 878	6 794	4 909	4 800	5 398	6 199
Glass and glass products	1 539	1 503	1 162	1 086	1 072	1 171
Non-metallic mineral products	5 340	5 290	3 747	3 715	4 326	5 029
Basic iron and steel, non-ferrous metal products, metal products and machinery	47 642	48 862	39 050	40 701	44 415	59 369
Basic iron and steel products	8 870	9 876	7 634	9 238	9 161	12 469
Non-ferrous metal products	16 279	16 720	13 872	15 037	15 245	23 661
Structural metal products	3 399	3 566	2 469	2 296	3 133	3 707
Other fabricated metal products	7 814	7 184	5 280	5 725	6 359	7 371
General purpose machinery	4 263	4 372	3 423	2 976	3 824	4 315
Special purpose machinery	5 712	5 790	5 361	4 319	5 506	6 554
Household appliances	1 305	1 353	1 012	1 111	1 188	1 291
Electrical machinery	5 214	5 463	4 117	3 734	4 835	5 177
Radio, television and communication apparatus and professional equipment	2 480	2 480	2 441	1 459	1 907	2 242
Radio, television and communication apparatus	1 383	1 305	1 360	683	966	1 156
Professional equipment	1 097	1 175	1 081	777	941	1 086
Motor vehicles, parts and accessories and other transport equipment	32 848	33 060	17 841	23 405	29 176	32 114
Motor vehicles	18 833	18 584	8 913	12 023	15 614	16 712
Bodies for motor vehicles, trailers and semi-trailers	1 284	1 457	890	812	1 162	1 253
Parts and accessories	10 203	10 460	5 728	8 539	10 101	11 213
Other transport equipment	2 528	2 560	2 311	2 031	2 299	2 937
Furniture and other manufacturing	8 277	8 481	7 627	5 720	7 880	8 150
Furniture	1 595	1 629	1 149	817	1 129	1 138
Other manufacturing groups	6 681	6 852	6 477	4 903	6 751	7 012
Total	220 548	224 344	186 801	168 405	195 650	224 686

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-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
Food and beverages	7,4	3,6	9,3	-5,4	11,7	16,3
Meat, fish, fruit, etc.	7,5	4,4	12,1	7,2	8,8	8,8
Dairy products	1,1	7,8	9,8	3,6	4,5	9,8
Grain mill products	15,1	11,6	16,5	8,4	9,8	10,5
Other food products	5,5	8,4	22,3	13,9	-4,3	2,6
Beverages	7,0	-4,8	-2,0	-46,3	30,3	42,4
Textiles, clothing, leather and footwear	-6,3	-5,3	2,7	1,0	1,0	6,0
Textiles	-3,2	4,9	36,2	9,3	6,8	23,3
Other textile products	-5,5	-10,7	-1,4	-8,6	-7,7	6,5
Knitted, crocheted articles	-12,7	-9,9	23,3	5,9	5,2	8,1
Wearing apparel	-11,7	-8,2	-6,3	-7,4	-2,4	-7,3
Leather and leather products	-1,5	11,3	22,6	15,5	4,0	2,5
Footwear	1,9	-5,0	-10,7	22,3	29,6	28,0
Wood and wood products, paper, publishing and printing	-4,8	1,0	6,5	3,0	1,4	2,6
Sawmilling and planing of wood	-1,0	0,3	7,7	-4,8	-2,3	13,7
Products of wood	2,3	-1,9	10,1	13,4	3,6	6,8
Paper and paper products	-4,0	1,3	4,0	4,7	3,6	4,2
Publishing	-16,6	0,5	14,5	-8,0	1,2	4,2
Printing, recorded media	-6,3	2,4	6,3	0,1	-4,1	-7,6
Petroleum, chemical products, rubber and plastic products	-7,1	-8,4	-7,9	-11,6	-7,9	3,9
Coke, petroleum products and nuclear fuel	-39,0	-38,0	-43,1	-41,8	-40,5	-7,6
Basic chemicals	6,2	2,8	10,2	5,1	4,0	7,4
Other chemical products	7,8	4,9	14,0	7,8	6,0	6,9
Rubber products	7,8	-2,4	0,7	3,7	2,0	8,5
Plastic products	3,7	5,2	10,2	4,2	6,8	7,7
Glass and non-metallic mineral products	4,0	6,2	16,7	12,2	8,2	25,3
Glass and glass products	13,0	13,7	18,1	11,6	11,1	36,3
Non-metallic mineral products	1,7	4,3	16,2	12,4	7,5	23,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	-5,1	1,7	12,6	13,8	2,5	33,0
Basic iron and steel products	-18,0	-6,7	5,8	13,4	-1,1	32,3
Non-ferrous metal products	-3,5	6,5	24,7	23,3	2,3	63,5
Structural metal products	-8,9	-5,2	7,8	3,6	-3,1	19,0
Other fabricated metal products	7,5	5,3	23,2	17,7	8,5	20,2
General purpose machinery	-1,3	1,1	-2,5	0,7	2,7	7,4
Special purpose machinery	-2,7	6,3	2,8	4,4	7,2	7,0
Household appliances	-1,5	-2,4	-3,3	-10,3	-1,4	-4,2
Electrical machinery	6,2	11,4	16,8	6,5	8,3	13,5
Radio, television and communication apparatus and professional equipment	8,3	-1,7	12,0	-5,9	-2,0	2,1
Radio, television and communication apparatus	15,7	-6,0	16,8	-9,8	-5,0	1,6
Professional equipment	0,3	3,4	6,4	-2,3	1,4	2,8
Motor vehicles, parts and accessories and other transport equipment	0,5	12,0	4,2	4,5	6,4	25,8
Motor vehicles	-5,7	2,1	-12,6	-11,0	-2,0	17,5
Bodies for motor vehicles, trailers and semi-trailers	-18,7	-2,7	11,3	-0,5	10,9	16,8
Parts and accessories	22,2	48,9	66,8	44,2	27,7	55,5
Other transport equipment	-8,7	-8,7	-13,9	-5,6	-9,3	-2,7
Furniture and other manufacturing	-0,5	3,5	11,9	0,1	3,5	12,8
Furniture	-10,5	-8,7	-5,8	-8,6	-11,2	-5,2
Other manufacturing groups	2,3	6,9	15,8	1,7	6,4	16,3
Total	-0,9	1,6	5,9	0,2	3,4	17,8

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

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

Manufacturing division and major group	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Month-on-month % change
Food and beverages	50 432	50 644	45 680	56 034	54 260	-3,2
Meat, fish, fruit, etc.	13 862	14 311	14 683	14 541	14 523	-0,1
Dairy products	4 524	4 549	4 410	4 547	4 617	1,5
Grain mill products	7 644	7 825	7 829	7 958	7 772	-2,3
Other food products	10 718	11 282	11 477	10 988	10 977	-0,1
Beverages	13 684	12 677	7 281	18 000	16 370	-9,1
Textiles, clothing, leather and footwear	4 698	4 925	4 876	4 912	4 922	0,2
Textiles	700	864	720	724	725	0,1
Other textile products	1 383	1 370	1 370	1 403	1 463	4,3
Knitted, crocheted articles	183	224	204	201	196	-2,5
Wearing apparel	1 417	1 436	1 405	1 444	1 410	-2,4
Leather and leather products	519	553	548	509	502	-1,4
Footwear	496	479	629	632	626	-0,9
Wood and wood products, paper, publishing and printing	13 562	13 816	13 801	13 742	13 847	0,8
Sawmilling and planing of wood	875	882	863	878	892	1,6
Products of wood	1 936	2 035	2 184	1 966	1 990	1,2
Paper and paper products	6 579	6 673	6 703	6 840	6 874	0,5
Publishing	1 320	1 448	1 267	1 330	1 331	0,1
Printing, recorded media	2 852	2 778	2 784	2 728	2 759	1,1
Petroleum, chemical products, rubber and plastic products	36 993	36 837	37 892	37 071	37 804	2,0
Coke, petroleum products and nuclear fuel	7 822	7 357	7 989	7 767	8 357	7,6
Basic chemicals	8 978	8 907	9 263	8 859	9 114	2,9
Other chemical products	12 606	13 110	12 911	12 730	12 675	-0,4
Rubber products	1 492	1 467	1 593	1 591	1 489	-6,4
Plastic products	6 095	5 996	6 135	6 124	6 170	0,8
Glass and non-metallic mineral products	5 932	6 210	6 273	6 103	6 143	0,7
Glass and glass products	1 192	1 231	1 245	1 245	1 290	3,6
Non-metallic mineral products	4 740	4 979	5 028	4 858	4 853	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	45 258	44 641	47 978	45 600	56 431	23,8
Basic iron and steel products	9 211	9 739	10 144	9 343	11 309	21,0
Non-ferrous metal products	15 725	14 072	16 052	15 991	23 990	50,0
Structural metal products	3 108	3 289	3 311	3 077	3 598	16,9
Other fabricated metal products	6 472	6 963	7 420	6 548	6 998	6,9
General purpose machinery	4 031	3 908	3 969	3 961	4 038	1,9
Special purpose machinery	5 521	5 489	5 835	5 489	5 342	-2,7
Household appliances	1 189	1 181	1 246	1 191	1 157	-2,9
Electrical machinery	4 836	5 089	4 876	4 793	4 714	-1,6
Radio, television and communication apparatus and professional equipment	2 083	2 250	2 002	2 026	2 100	3,7
Radio, television and communication apparatus	1 027	1 201	991	1 016	1 083	6,6
Professional equipment	1 055	1 050	1 010	1 009	1 018	0,9
Motor vehicles, parts and accessories and other transport equipment	28 665	27 865	29 052	28 988	30 826	6,3
Motor vehicles	15 844	15 058	15 292	15 643	16 849	7,7
Bodies for motor vehicles, trailers and semi-trailers	1 218	1 239	1 234	1 221	1 182	-3,2
Parts and accessories	9 146	9 258	9 974	9 727	10 333	6,2
Other transport equipment	2 457	2 311	2 552	2 397	2 461	2,7
Furniture and other manufacturing	7 465	7 679	7 659	7 797	8 177	4,9
Furniture	1 255	1 256	1 277	1 193	1 246	4,4
Other manufacturing groups	6 210	6 422	6 382	6 604	6 930	4,9
Total	199 923	199 957	200 087	207 065	219 224	5,9

Survey information

Introduction	1	Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group.
	2	In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2015. Both estimated and seasonally adjusted figures are presented.
	3	In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available.
	4	Stats SA is continuously updating its BSF, based on units registered for value added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).
Purpose of the survey	5	The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.
Special Data Dissemination Standard of the IMF	6	The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
Scope of the survey	7	This survey covers manufacturing enterprises, i.e. those conducting activities in - - the manufacturing, processing, making or packing of products; - the slaughtering of animals, including poultry; and - installation, assembly, completion, repair and related work.
Classification	8	The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities</i> (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
Collection rate	9	The preliminary collection rate for the survey on manufacturing production and sales was 73,5% for March 2021. The improved collection rates were 77,5% for February 2021, 79,1% for January 2021 and 79,5% for December 2020.
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 <i>Stats in Brief</i> 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 3 081 enterprises from a population of 49 776 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 2019 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	1 961 626	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 2021	National accounts

- 9** The weights reflect the importance of the major group/division to the total manufacturing industry. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights are calculated and implemented annually.

Table E – Weights by division and major group

Manufacturing division and major group	Weights used for manufacturing indices by period		
	2016 (based on value added for 2014 – 2016)	2017 (based on value added for 2015 – 2017)	2018 – 2021 (based on value added for 2016 – 2018)
Food and beverages	25,78	26,64	27,14
Meat, fish, fruit, etc.	6,59	6,69	6,75
Dairy products	2,00	2,15	2,27
Grain mill products	3,12	3,37	3,55
Other food products	7,74	8,14	8,45
Beverages	6,33	6,29	6,12
Textiles, clothing, leather and footwear	3,21	3,12	3,08
Textiles	0,80	0,78	0,77
Other textile products	0,41	0,40	0,39
Knitted, crocheted articles	0,09	0,09	0,09
Wearing apparel	1,08	1,04	1,02
Leather and leather products	0,48	0,46	0,46
Footwear	0,35	0,35	0,35
Wood and wood products, paper, publishing and printing	11,28	11,45	11,46
Sawmilling and planing of wood	1,69	1,73	1,74
Products of wood	2,42	2,57	2,61
Paper and paper products	4,09	4,14	4,13
Publishing	1,45	1,43	1,43
Printing, recorded media	1,63	1,58	1,55
Petroleum, chemical products, rubber and plastic products	23,82	23,07	22,52
Coke, petroleum products and nuclear fuel	9,18	8,67	8,34
Basic chemicals	4,41	4,29	4,15
Other chemical products	6,15	6,19	6,15
Rubber products	1,30	1,24	1,19
Plastic products	2,78	2,68	2,69
Glass and non-metallic mineral products	3,53	3,18	3,06
Glass and glass products	0,69	0,66	0,65
Non-metallic mineral products	2,84	2,52	2,41
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,74	18,69	18,59
Basic iron and steel products	3,52	3,57	3,49
Non-ferrous metal products (including precious metals)	2,60	2,58	2,68
Structural metal products	1,92	1,99	2,02
Other fabricated metal products	3,84	3,79	3,73
General purpose machinery	2,57	2,58	2,57
Special purpose machinery	3,50	3,41	3,35
Household appliances	0,79	0,77	0,75
Electrical machinery	1,63	1,64	1,64
Radio, television and communication apparatus and professional equipment	1,59	1,54	1,52
Radio, television and communication apparatus	0,92	0,90	0,91
Professional equipment	0,67	0,64	0,61
Motor vehicles, parts and accessories and other transport equipment	7,20	7,56	7,96
Motor vehicles	2,60	2,82	3,03
Bodies for motor vehicles, trailers and semi-trailers	0,48	0,47	0,49
Parts and accessories	2,89	3,04	3,21
Other transport equipment	1,23	1,23	1,23
Furniture and other manufacturing	3,22	3,11	3,03
Furniture	1,08	1,07	1,06
Other manufacturing groups	2,14	2,04	1,97
Total	100	100	100

Seasonal adjustment	10	Seasonally adjusted estimates of all major groups are generated each month, using the X-12 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour. The X-12-ARIMA procedure for manufacturing production and sales is described in more detail on the Stats SA website: Click to Download Seasonal adjustment Manufacturing June 2017 Note: Owing to the impact of the COVID-19 lockdown, additive outlier and transitory change adjustments were applied to April 2020. Transitory (temporary) change describes a temporary effect on the level of a series after a certain point in time. The methodology will be reviewed as more data points are added to the time series.
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 <i>System of National Accounts</i> (SNA) in the same way as in the <i>Standard Industrial Classification of all Economic Activities</i> (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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