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Production: results for March 2023**Table A – Key growth rates in the volume of manufacturing production**

	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
Year-on-year % change, unadjusted	0,9	-2,1	-4,6	-4,3	-5,6	-1,1
Month-on-month % change, seasonally adjusted	-6,0	1,7	0,2	0,3	-1,3	4,0
3-month % change, seasonally adjusted ¹	2,3	2,1	-1,5	-0,9	-1,0	1,4

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

Manufacturing production decreased by 1,1% in March 2023 compared with March 2022. The largest negative contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (-8,8% and contributing -2,0 percentage points); and
- textiles, clothing, leather and footwear (-12,1% and contributing -0,6 of a percentage point).

The largest positive contributions were made by the following divisions:

- food and beverages (5,7% and contributing 1,2 percentage points); and
- motor vehicles, parts and accessories and other transport equipment (5,6% and contributing 0,6 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 4,0% in March 2023 compared with February 2023. This followed month-on-month changes of -1,3% in February 2023 and 0,3% in January 2023 – see Table A.

Seasonally adjusted manufacturing production increased by 1,4% in the first quarter of 2023 compared with the fourth quarter of 2022. Four of the ten manufacturing divisions reported positive growth rates over this period.

The largest contributions were made by the following divisions:

- food and beverages (7,3% and contributing 1,6 percentage points); and
- petroleum, chemical products, rubber and plastic products (4,3% 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: 2019=100)

Manufacturing division and major group	Weight	Oct – Dec 2022	Jan – Mar 2023	% change between Oct – Dec 2022 and Jan – Mar 2023	Contribution (% points) to the total % change
Food and beverages	20,75	98,0	105,2	7,3	1,6
Meat, fish, fruit, etc.	3,27	105,3	109,4	3,9	0,1
Dairy products	1,39	97,5	101,5	4,1	0,1
Grain mill products	1,68	96,6	103,8	7,5	0,1
Other food products	7,75	94,4	99,9	5,8	0,5
Beverages	6,66	98,9	110,4	11,6	0,8
Textiles, clothing, leather and footwear	4,26	93,1	90,7	-2,6	-0,1
Textiles	1,08	104,8	95,9	-8,5	-0,1
Other textile products	0,61	96,6	90,8	-6,0	0,0
Knitted, crocheted articles	0,06	90,2	80,2	-11,1	0,0
Wearing apparel	1,98	85,2	86,8	1,9	0,0
Leather and leather products	0,27	88,3	88,9	0,7	0,0
Footwear	0,25	102,1	104,0	1,9	0,0
Wood and wood products, paper, publishing and printing	10,63	92,2	89,2	-3,3	-0,3
Sawmilling and planing of wood	0,87	94,9	92,4	-2,6	0,0
Products of wood	0,88	104,7	107,7	2,9	0,0
Paper and paper products	5,34	96,2	89,6	-6,9	-0,4
Publishing	2,18	76,6	78,0	1,8	0,0
Printing, recorded media	1,35	91,5	90,9	-0,7	0,0
Petroleum, chemical products, rubber and plastic products	24,95	74,0	77,2	4,3	0,9
Coke, petroleum products and nuclear fuel	11,85	50,0	56,9	13,8	0,9
Basic chemicals	3,50	99,1	100,5	1,4	0,1
Other chemical products	6,64	92,8	90,5	-2,5	-0,2
Rubber products	0,76	93,1	99,5	6,9	0,1
Plastic products	2,20	99,7	101,6	1,9	0,0
Glass and non-metallic mineral products	3,24	106,2	99,1	-6,7	-0,3
Glass and glass products	0,49	103,6	106,3	2,6	0,0
Non-metallic mineral products	2,75	106,7	97,8	-8,3	-0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	94,6	95,5	1,0	0,2
Basic iron and steel products	2,92	81,5	81,8	0,4	0,0
Non-ferrous metal products	3,32	90,0	86,4	-4,0	-0,1
Structural metal products	1,99	100,4	101,0	0,6	0,0
Other fabricated metal products	3,53	95,1	97,5	2,5	0,1
General purpose machinery	3,42	102,7	111,8	8,9	0,3
Special purpose machinery	3,85	97,2	94,1	-3,2	-0,1
Household appliances	0,70	98,9	96,7	-2,2	0,0
Electrical machinery	2,21	98,1	100,0	1,9	0,0
Radio, television and communication apparatus and professional equipment	1,07	102,6	100,7	-1,9	0,0
Radio, television and communication apparatus	0,04	91,6	93,4	2,0	0,0
Professional equipment	1,03	103,1	101,1	-1,9	0,0
Motor vehicles, parts and accessories and other transport equipment	8,89	107,1	101,7	-5,0	-0,5
Motor vehicles	2,78	95,5	96,5	1,0	0,0
Bodies for motor vehicles, trailers and semi-trailers	0,73	113,7	115,1	1,2	0,0
Parts and accessories	3,97	115,7	103,2	-10,8	-0,5
Other transport equipment	1,40	102,4	101,2	-1,2	0,0
Furniture and other manufacturing	4,27	87,0	86,4	-0,7	0,0
Furniture	0,78	92,1	93,7	1,7	0,0
Other manufacturing groups	3,49	86,0	84,7	-1,5	0,0
Total	100	91,2	92,5	1,4	1,4

Figure 1 – Volume of manufacturing production (Base: 2019=100)

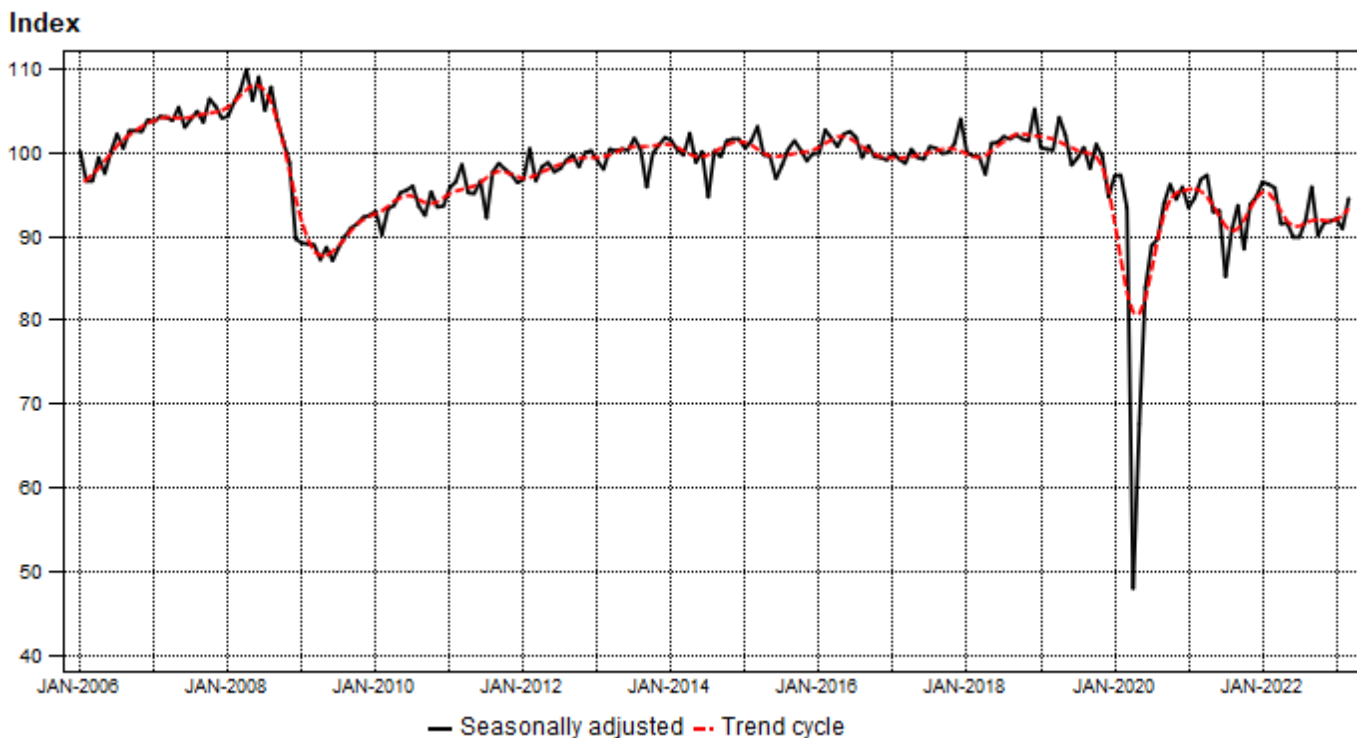
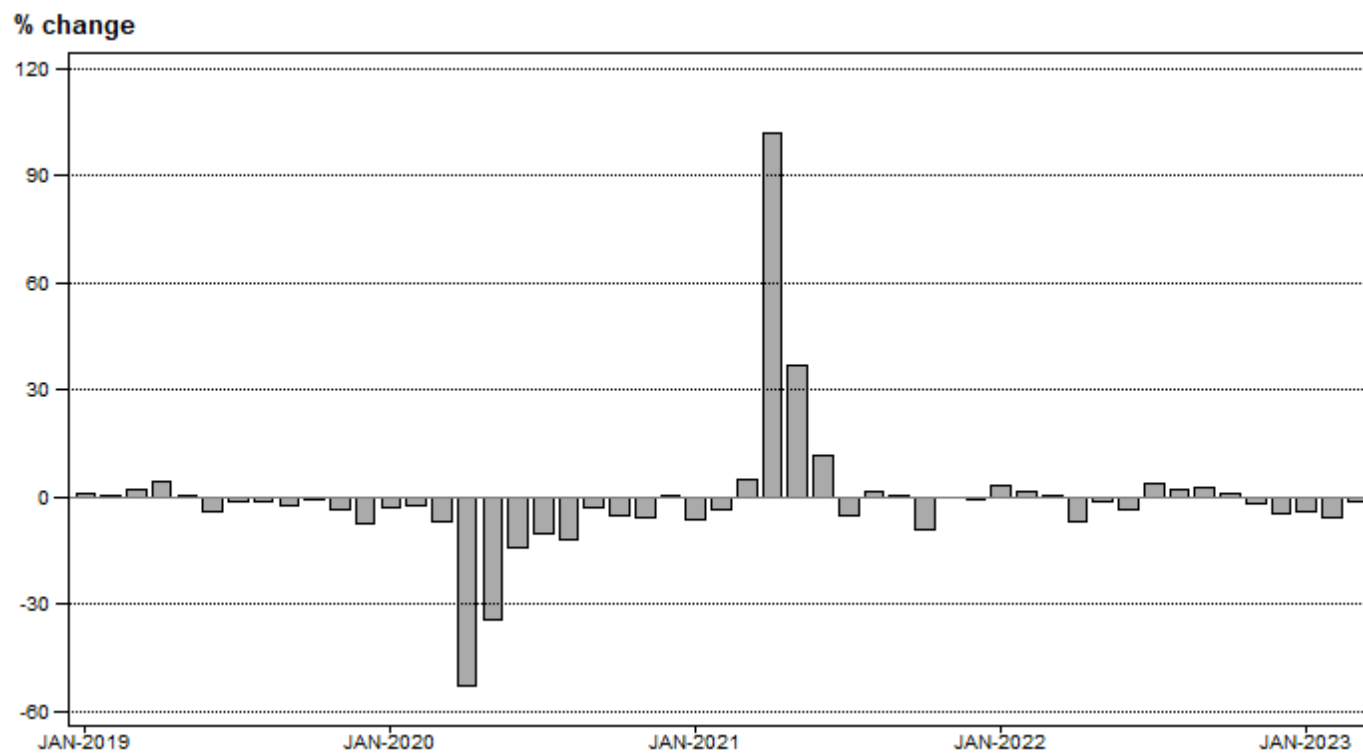


Figure 2 – Volume of manufacturing production (Base: 2019=100): year-on-year percentage change



Sales: results for March 2023**Table C – Key growth rates in manufacturing sales at current prices**

	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
Year-on-year % change, unadjusted	15,4	11,2	9,0	9,6	8,4	11,8
Month-on-month % change, seasonally adjusted	-4,5	3,0	2,0	-0,1	1,8	3,6
3-month % change, seasonally adjusted ¹	2,2	2,7	1,0	2,5	3,0	4,6

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

Seasonally adjusted manufacturing sales increased by 3,6% in March 2023 compared with February 2023. This followed month-on-month changes of 1,8% in February 2023 and -0,1% in January 2023 – see Table C.

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

Manufacturing division	Oct – Dec 2022 (R million)	Jan – Mar 2023 (R million)	% change between Oct – Dec 2022 and Jan – Mar 2023	Contribution (% points) to the total % change
Food and beverages	181 622	193 068	6,3	1,5
Textiles, clothing, leather and footwear	17 486	17 316	-1,0	0,0
Wood and wood products, paper, publishing and printing	49 758	48 438	-2,7	-0,2
Petroleum, chemical products, rubber and plastic products	155 823	167 453	7,5	1,5
Glass and non-metallic mineral products	25 205	24 298	-3,6	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	160 947	164 901	2,5	0,5
Electrical machinery	17 731	18 559	4,7	0,1
Radio, television and communication apparatus and professional equipment	7 369	7 686	4,3	0,0
Motor vehicles, parts and accessories and other transport equipment	122 027	129 728	6,3	1,0
Furniture and other manufacturing	27 165	29 070	7,0	0,2
Total	765 135	800 515	4,6	4,6

Seasonally adjusted manufacturing sales increased by 4,6% in the first quarter of 2023 compared with the fourth quarter of 2022. The largest contributions were made by the follow divisions:

- petroleum, chemical products, rubber and plastic products (7,5% and contributing 1,5 percentage points);
- food and beverages (6,3% and contributing 1,5 percentage points); and
- motor vehicles, parts and accessories and other transport equipment (6,3% and contributing 1,0 percentage point) – see Table D.

Risenga Maluleke
Statistician-General

Tables

Table 1 – Index of the volume of manufacturing production (Base: 2019=100)

Month	2017	2018	2019	2020	2021	2022	2023 ¹
Jan	85,7	87,1	88,0	85,6	80,3	82,8	79,2
Feb	94,3	94,5	94,9	92,4	89,3	90,9	85,8
Mar	101,5	98,9	101,2	94,4	98,9	99,1	98,0
Apr	90,5	91,9	95,8	45,0	91,0	84,5	
May	100,1	101,8	102,0	67,0	91,9	90,9	
Jun	101,5	101,9	97,8	83,8	93,7	90,2	
Jul	100,6	103,2	101,8	91,3	86,7	90,2	
Aug	105,0	106,6	105,2	92,8	94,3	96,2	
Sep	105,4	104,9	102,6	99,3	99,8	102,5	
Oct	109,8	113,4	112,7	106,8	97,3	98,2	
Nov	114,0	115,3	111,0	104,7	104,7	102,5	
Dec	93,2	93,7	86,8	87,3	86,7	82,7	
Total	100,1	101,1	100,0	87,5	92,9	92,6	

¹ The latest three months are preliminary.

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

Month	2018	2019	2020	2021	2022	2023	2023 year-to-date
Jan	1,6	1,0	-2,7	-6,2	3,1	-4,3	-4,3
Feb	0,2	0,4	-2,6	-3,4	1,8	-5,6	-5,1
Mar	-2,6	2,3	-6,7	4,8	0,2	-1,1	-3,5
Apr	1,5	4,2	-53,0	102,2	-7,1		
May	1,7	0,2	-34,3	37,2	-1,1		
Jun	0,4	-4,0	-14,3	11,8	-3,7		
Jul	2,6	-1,4	-10,3	-5,0	4,0		
Aug	1,5	-1,3	-11,8	1,6	2,0		
Sep	-0,5	-2,2	-3,2	0,5	2,7		
Oct	3,3	-0,6	-5,2	-8,9	0,9		
Nov	1,1	-3,7	-5,7	0,0	-2,1		
Dec	0,5	-7,4	0,6	-0,7	-4,6		
Total	1,0	-1,1	-12,5	6,2	-0,3		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2019=100)				Month-on-month % change			
	2020	2021	2022	2023	2020	2021	2022	2023
Jan	97,2	93,4	96,5	92,1	2,6	-2,6	1,9	0,3
Feb	97,3	94,6	96,2	90,9	0,1	1,3	-0,3	-1,3
Mar	93,4	96,8	95,8	94,5	-4,0	2,3	-0,4	4,0
Apr	48,0	97,3	91,5		-48,6	0,5	-4,5	
May	67,6	92,9	91,6		40,8	-4,5	0,1	
Jun	83,9	93,1	89,9		24,1	0,2	-1,9	
Jul	88,9	85,2	89,9		6,0	-8,5	0,0	
Aug	89,7	90,7	91,9		0,9	6,5	2,2	
Sep	93,9	93,7	95,9		4,7	3,3	4,4	
Oct	96,2	88,5	90,1		2,4	-5,5	-6,0	
Nov	94,4	93,8	91,6		-1,9	6,0	1,7	
Dec	95,9	94,7	91,8		1,6	1,0	0,2	

Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2019=100)

Manufacturing division and major group	Weight	Oct-22	Nov-22	Dec-22	¹ Jan-23	¹ Feb-23	¹ Mar-23
Food and beverages	20,75	104,9	108,0	105,8	93,0	89,7	107,1
Meat, fish, fruit, etc.	3,27	105,4	118,1	111,4	101,3	100,5	115,6
Dairy products	1,39	110,0	110,6	104,6	101,2	86,8	106,0
Grain mill products	1,68	104,7	106,5	90,2	91,4	99,8	108,6
Other food products	7,75	99,5	98,9	87,1	76,9	77,6	95,7
Beverages	6,66	109,8	113,5	129,1	106,3	96,5	115,9
Textiles, clothing, leather and footwear	4,26	107,2	112,1	77,9	66,3	85,7	94,0
Textiles	1,08	110,1	118,5	72,4	75,5	90,2	109,4
Other textile products	0,61	111,7	113,0	82,0	65,3	101,1	92,9
Knitted, crocheted articles	0,06	105,0	102,6	69,2	57,2	70,8	84,6
Wearing apparel	1,98	104,2	107,2	78,3	59,0	79,2	86,6
Leather and leather products	0,27	97,6	106,3	67,3	80,0	88,8	86,8
Footwear	0,25	118,8	129,4	101,7	75,0	80,8	98,8
Wood and wood products, paper, publishing and printing	10,63	101,5	103,4	89,8	80,8	79,2	90,8
Sawmilling and planing of wood	0,87	96,4	102,9	75,4	92,3	93,6	84,2
Products of wood	0,88	120,7	120,9	84,5	96,0	102,5	104,1
Paper and paper products	5,34	102,1	100,1	99,1	81,2	75,5	99,1
Publishing	2,18	92,5	89,2	74,9	73,7	73,5	70,1
Printing, recorded media	1,35	104,1	128,6	89,8	73,1	78,8	86,6
Petroleum, chemical products, rubber and plastic products	24,95	78,1	83,0	69,6	68,8	74,3	82,1
Coke, petroleum products and nuclear fuel	11,85	53,6	52,7	52,0	51,4	56,0	63,3
Basic chemicals	3,50	100,9	108,0	93,3	89,9	94,6	101,4
Other chemical products	6,64	95,9	108,1	85,2	79,9	86,4	94,6
Rubber products	0,76	104,0	103,3	49,7	92,3	102,7	114,1
Plastic products	2,20	110,9	123,5	86,0	87,1	94,4	103,5
Glass and non-metallic mineral products	3,24	119,8	117,8	91,3	86,8	88,7	96,5
Glass and glass products	0,49	113,2	119,3	101,6	100,5	94,1	105,5
Non-metallic mineral products	2,75	121,0	117,5	89,4	84,3	87,7	94,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	101,9	106,3	77,9	79,9	90,3	104,0
Basic iron and steel products	2,92	88,1	82,9	69,7	81,8	77,2	90,5
Non-ferrous metal products	3,32	94,9	95,0	84,2	83,5	81,1	89,6
Structural metal products	1,99	106,5	116,1	80,5	71,5	95,9	113,6
Other fabricated metal products	3,53	104,2	114,2	67,1	77,0	99,6	105,8
General purpose machinery	3,42	113,8	122,2	82,4	84,0	97,9	113,5
Special purpose machinery	3,85	103,5	106,7	82,1	77,5	89,9	110,6
Household appliances	0,70	101,2	110,5	83,1	87,4	91,9	109,6
Electrical machinery	2,21	102,4	107,0	77,0	80,5	98,7	111,8
Radio, television and communication apparatus and professional equipment	1,07	106,5	119,9	106,9	74,7	99,5	108,3
Radio, television and communication apparatus	0,04	115,1	114,3	110,2	64,1	89,1	103,1
Professional equipment	1,03	106,1	120,1	106,8	75,1	99,9	108,5
Motor vehicles, parts and accessories and other transport equipment	8,89	114,8	122,8	65,2	80,9	103,7	119,4
Motor vehicles	2,78	96,5	111,3	52,6	77,7	97,6	113,8
Bodies for motor vehicles, trailers and semi-trailers	0,73	130,9	134,4	68,7	71,9	103,2	137,0
Parts and accessories	3,97	127,8	128,7	63,0	84,3	109,9	118,9
Other transport equipment	1,40	106,0	123,1	94,9	82,3	98,2	122,8
Furniture and other manufacturing	4,27	93,5	100,3	83,2	70,7	80,9	86,7
Furniture	0,78	96,8	115,1	95,2	73,1	78,2	94,8
Other manufacturing groups	3,49	92,8	97,0	80,5	70,2	81,5	84,9
Total	100	98,2	102,5	82,7	79,2	85,8	98,0

¹ Preliminary.

Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2019=100)

Manufacturing division and major group	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
Food and beverages	-3,9	-4,8	-4,3	3,9	-6,4	5,7
Meat, fish, fruit, etc.	0,7	5,1	-3,7	9,9	-0,3	4,7
Dairy products	0,7	4,1	8,2	18,8	10,0	21,1
Grain mill products	0,4	-8,3	-13,4	-8,1	3,9	3,1
Other food products	0,3	1,4	1,4	-3,4	-7,3	17,1
Beverages	-11,7	-14,9	-8,8	8,4	-12,9	-4,7
Textiles, clothing, leather and footwear	-6,9	-6,7	-3,9	-4,3	-13,2	-12,1
Textiles	-19,9	-12,5	-4,7	-13,4	-23,0	-10,6
Other textile products	0,4	-0,3	8,0	5,3	6,4	-12,6
Knitted, crocheted articles	8,6	12,3	12,0	1,4	-18,2	1,9
Wearing apparel	-3,1	-10,4	-8,3	-4,7	-16,5	-17,2
Leather and leather products	1,6	31,1	3,2	10,0	4,5	-1,5
Footwear	4,5	2,9	-3,0	9,5	6,7	15,0
Wood and wood products, paper, publishing and printing	-2,9	-8,8	-1,6	-5,7	-5,7	0,2
Sawmilling and planing of wood	9,9	2,5	2,9	15,2	7,1	2,6
Products of wood	1,4	3,1	-6,3	4,7	2,2	6,7
Paper and paper products	0,7	-11,3	-0,9	-10,9	-12,2	0,7
Publishing	-14,4	-10,5	-8,7	-6,6	-1,7	-3,8
Printing, recorded media	-7,4	-10,2	6,4	-2,3	0,6	-2,7
Petroleum, chemical products, rubber and plastic products	-9,7	-2,1	-12,2	-11,6	-5,7	-8,8
Coke, petroleum products and nuclear fuel	-22,3	-19,7	-27,5	-25,4	-14,6	-15,6
Basic chemicals	0,9	8,1	2,8	-6,1	7,6	-6,9
Other chemical products	-6,2	7,1	-4,2	-0,4	-6,3	-7,2
Rubber products	0,5	9,2	4,6	-10,0	14,9	18,2
Plastic products	4,8	10,3	1,9	7,3	3,1	1,1
Glass and non-metallic mineral products	6,3	2,7	6,0	8,5	-4,7	-8,5
Glass and glass products	8,6	7,5	2,7	11,3	-3,2	7,2
Non-metallic mineral products	5,9	1,8	6,7	7,9	-5,0	-11,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	14,4	0,1	-6,0	-3,9	-5,0	0,1
Basic iron and steel products	-6,4	-16,1	-15,9	-13,2	-18,6	1,3
Non-ferrous metal products	31,3	4,5	-6,3	-0,5	-8,3	-10,2
Structural metal products	16,4	6,8	16,5	8,8	4,8	5,0
Other fabricated metal products	17,3	-6,5	-5,4	-13,3	-2,0	-4,9
General purpose machinery	24,0	16,4	-13,4	6,5	5,0	8,6
Special purpose machinery	8,3	-3,4	-2,1	-3,2	-8,4	1,3
Household appliances	8,6	5,6	-1,1	-5,0	-6,1	6,4
Electrical machinery	0,3	-7,4	-11,4	-8,0	-6,7	-0,2
Radio, television and communication apparatus and professional equipment	-1,7	7,5	19,4	-10,8	1,8	-3,0
Radio, television and communication apparatus	-5,1	-6,2	-12,1	2,2	-2,2	30,3
Professional equipment	-1,6	8,1	21,4	-11,2	1,9	-4,0
Motor vehicles, parts and accessories and other transport equipment	21,4	10,6	13,4	-6,7	1,0	5,6
Motor vehicles	11,8	5,5	10,5	-5,6	-12,0	-7,0
Bodies for motor vehicles, trailers and semi-trailers	20,6	9,8	0,7	-10,5	10,6	17,7
Parts and accessories	32,2	15,2	24,0	-10,4	6,8	12,1
Other transport equipment	8,1	7,9	4,5	5,9	7,9	8,7
Furniture and other manufacturing	0,6	-6,3	-4,5	-6,0	-11,5	-1,5
Furniture	-10,2	-6,1	-4,7	-0,9	-5,6	7,4
Other manufacturing groups	3,7	-6,4	-4,4	-7,0	-12,6	-3,3
Total	0,9	-2,1	-4,6	-4,3	-5,6	-1,1

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

Manufacturing division and major group	Weight	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
Food and beverages	20,75	-0,9	-1,1	-1,1	0,9	-1,4	1,2
Meat, fish, fruit, etc.	3,27	0,0	0,2	-0,2	0,4	0,0	0,2
Dairy products	1,39	0,0	0,1	0,1	0,3	0,1	0,3
Grain mill products	1,68	0,0	-0,2	-0,3	-0,2	0,1	0,1
Other food products	7,75	0,0	0,1	0,1	-0,3	-0,5	1,1
Beverages	6,66	-1,0	-1,3	-1,0	0,7	-1,0	-0,4
Textiles, clothing, leather and footwear	4,26	-0,3	-0,3	-0,2	-0,2	-0,6	-0,6
Textiles	1,08	-0,3	-0,2	0,0	-0,2	-0,3	-0,1
Other textile products	0,61	0,0	0,0	0,0	0,0	0,0	-0,1
Knitted, crocheted articles	0,06	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	1,98	-0,1	-0,2	-0,2	-0,1	-0,3	-0,4
Leather and leather products	0,27	0,0	0,1	0,0	0,0	0,0	0,0
Footwear	0,25	0,0	0,0	0,0	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	10,63	-0,3	-1,0	-0,2	-0,6	-0,6	0,0
Sawmilling and planing of wood	0,87	0,1	0,0	0,0	0,1	0,1	0,0
Products of wood	0,88	0,0	0,0	-0,1	0,0	0,0	0,1
Paper and paper products	5,34	0,0	-0,7	-0,1	-0,6	-0,6	0,0
Publishing	2,18	-0,3	-0,2	-0,2	-0,1	0,0	-0,1
Printing, recorded media	1,35	-0,1	-0,2	0,1	0,0	0,0	0,0
Petroleum, chemical products, rubber and plastic products	24,95	-2,2	-0,4	-2,8	-2,7	-1,2	-2,0
Coke, petroleum products and nuclear fuel	11,85	-1,9	-1,5	-2,7	-2,5	-1,3	-1,4
Basic chemicals	3,50	0,0	0,3	0,1	-0,2	0,3	-0,3
Other chemical products	6,64	-0,4	0,5	-0,3	0,0	-0,4	-0,5
Rubber products	0,76	0,0	0,1	0,0	-0,1	0,1	0,1
Plastic products	2,20	0,1	0,2	0,0	0,2	0,1	0,0
Glass and non-metallic mineral products	3,24	0,2	0,1	0,2	0,3	-0,2	-0,3
Glass and glass products	0,49	0,0	0,0	0,0	0,1	0,0	0,0
Non-metallic mineral products	2,75	0,2	0,1	0,2	0,2	-0,1	-0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	2,6	0,0	-1,1	-0,8	-1,0	0,0
Basic iron and steel products	2,92	-0,2	-0,4	-0,4	-0,4	-0,6	0,0
Non-ferrous metal products	3,32	0,8	0,1	-0,2	0,0	-0,3	-0,3
Structural metal products	1,99	0,3	0,1	0,3	0,1	0,1	0,1
Other fabricated metal products	3,53	0,6	-0,3	-0,2	-0,5	-0,1	-0,2
General purpose machinery	3,42	0,8	0,6	-0,5	0,2	0,2	0,3
Special purpose machinery	3,85	0,3	-0,1	-0,1	-0,1	-0,3	0,1
Household appliances	0,70	0,1	0,0	0,0	0,0	0,0	0,0
Electrical machinery	2,21	0,0	-0,2	-0,3	-0,2	-0,2	0,0
Radio, television and communication apparatus and professional equipment	1,07	0,0	0,1	0,2	-0,1	0,0	0,0
Radio, television and communication apparatus	0,04	0,0	0,0	0,0	0,0	0,0	0,0
Professional equipment	1,03	0,0	0,1	0,2	-0,1	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	8,89	1,8	1,0	0,8	-0,6	0,1	0,6
Motor vehicles	2,78	0,3	0,2	0,2	-0,2	-0,4	-0,2
Bodies for motor vehicles, trailers and semi-trailers	0,73	0,2	0,1	0,0	-0,1	0,1	0,2
Parts and accessories	3,97	1,3	0,6	0,6	-0,5	0,3	0,5
Other transport equipment	1,40	0,1	0,1	0,1	0,1	0,1	0,1
Furniture and other manufacturing	4,27	0,0	-0,3	-0,2	-0,2	-0,5	-0,1
Furniture	0,78	-0,1	-0,1	0,0	0,0	0,0	0,1
Other manufacturing groups	3,49	0,1	-0,2	-0,1	-0,2	-0,5	-0,1
Total	100	0,9	-2,1	-4,6	-4,3	-5,6	-1,1

Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2019=100)

Manufacturing division and major group	Weight	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Month-on-month % change
Food and beverages	20,75	97,0	100,2	106,2	101,1	108,2	7,0
Meat, fish, fruit, etc.	3,27	107,9	104,3	112,6	106,0	109,5	3,3
Dairy products	1,39	97,5	97,3	103,5	98,5	102,4	4,0
Grain mill products	1,68	97,3	91,8	99,7	106,9	104,9	-1,9
Other food products	7,75	92,0	98,0	95,5	96,5	107,6	11,5
Beverages	6,66	97,1	103,4	117,8	103,0	110,3	7,1
Textiles, clothing, leather and footwear	4,26	93,9	95,2	93,3	87,8	91,0	3,6
Textiles	1,08	104,6	112,1	98,6	88,5	100,6	13,7
Other textile products	0,61	93,3	101,5	88,4	96,1	87,8	-8,6
Knitted, crocheted articles	0,06	89,8	90,3	81,6	76,6	82,3	7,4
Wearing apparel	1,98	86,2	85,5	91,3	83,3	85,7	2,9
Leather and leather products	0,27	102,9	78,4	90,0	89,8	87,0	-3,1
Footwear	0,25	101,6	102,9	104,7	101,3	106,0	4,6
Wood and wood products, paper, publishing and printing	10,63	89,5	94,4	90,4	85,9	91,2	6,2
Sawmilling and planing of wood	0,87	95,5	95,6	99,8	95,9	81,5	-15,0
Products of wood	0,88	105,7	105,8	110,8	106,5	105,9	-0,6
Paper and paper products	5,34	91,4	99,1	90,1	82,5	96,3	16,7
Publishing	2,18	74,4	76,8	78,9	78,6	76,6	-2,5
Printing, recorded media	1,35	91,6	95,8	90,9	90,8	91,1	0,3
Petroleum, chemical products, rubber and plastic products	24,95	75,5	73,7	73,9	78,4	79,3	1,1
Coke, petroleum products and nuclear fuel	11,85	50,7	50,3	50,4	58,7	61,6	4,9
Basic chemicals	3,50	100,4	99,5	94,8	105,5	101,2	-4,1
Other chemical products	6,64	96,1	90,7	91,7	89,9	89,9	0,0
Rubber products	0,76	94,8	90,4	101,5	97,3	99,7	2,5
Plastic products	2,20	101,1	100,7	103,6	100,4	100,9	0,5
Glass and non-metallic mineral products	3,24	103,8	110,6	106,0	97,8	93,5	-4,4
Glass and glass products	0,49	103,6	104,8	108,0	102,1	108,7	6,5
Non-metallic mineral products	2,75	103,9	111,7	105,6	97,1	90,7	-6,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	97,4	92,1	95,5	93,9	97,0	3,3
Basic iron and steel products	2,92	82,4	79,9	81,1	78,3	86,0	9,8
Non-ferrous metal products	3,32	91,5	88,1	89,2	84,8	85,2	0,5
Structural metal products	1,99	99,3	105,2	99,0	97,7	106,3	8,8
Other fabricated metal products	3,53	98,3	95,6	93,6	100,0	99,0	-1,0
General purpose machinery	3,42	109,6	93,0	113,5	108,2	113,7	5,1
Special purpose machinery	3,85	100,6	93,0	96,6	93,0	92,6	-0,4
Household appliances	0,70	99,2	98,9	91,1	94,2	104,9	11,4
Electrical machinery	2,21	95,8	102,8	99,1	99,4	101,4	2,0
Radio, television and communication apparatus and professional equipment	1,07	104,2	105,1	98,1	105,0	99,1	-5,6
Radio, television and communication apparatus	0,04	89,2	94,0	90,4	91,7	98,0	6,9
Professional equipment	1,03	104,8	105,6	98,5	105,6	99,1	-6,2
Motor vehicles, parts and accessories and other transport equipment	8,89	108,9	106,6	98,9	101,5	104,8	3,3
Motor vehicles	2,78	96,6	102,8	98,4	93,3	97,7	4,7
Bodies for motor vehicles, trailers and semi-trailers	0,73	113,6	109,4	100,7	110,3	134,3	21,8
Parts and accessories	3,97	116,4	111,7	98,7	105,6	105,3	-0,3
Other transport equipment	1,40	109,7	97,9	99,6	101,7	102,2	0,5
Furniture and other manufacturing	4,27	84,9	91,6	86,9	81,5	90,7	11,3
Furniture	0,78	88,9	103,5	95,3	87,6	98,3	12,2
Other manufacturing groups	3,49	84,1	89,0	85,0	80,2	89,0	11,0
Total	100	91,6	91,8	92,1	90,9	94,5	4,0

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

Month	2017	2018	2019	2020	2021	2022	2023 ¹
Jan	160 525	167 548	183 379	182 810	179 439	203 502	222 978
Feb	175 284	186 833	197 889	202 751	206 844	229 922	249 178
Mar	196 317	198 873	216 145	202 704	238 957	260 280	290 974
Apr	170 582	178 303	205 339	98 153	216 628	224 281	
May	193 831	207 711	215 489	145 978	222 587	250 160	
Jun	197 264	207 188	215 533	178 506	229 004	251 809	
Jul	188 822	210 326	219 394	192 336	198 298	246 010	
Aug	200 787	217 655	228 219	198 640	219 992	257 345	
Sep	202 754	221 058	219 593	213 806	231 917	274 061	
Oct	212 440	239 210	239 383	234 021	230 295	265 803	
Nov	230 169	243 365	237 498	238 072	258 050	286 986	
Dec	187 323	196 436	190 046	196 767	217 403	236 998	
Total	2 316 098	2 474 506	2 567 907	2 284 544	2 649 414	2 987 157	

¹ The latest three months are preliminary.

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

Month	2018	2019	2020	2021	2022	2023	2023 year-to-date
Jan	4,4	9,4	-0,3	-1,8	13,4	9,6	9,6
Feb	6,6	5,9	2,5	2,0	11,2	8,4	8,9
Mar	1,3	8,7	-6,2	17,9	8,9	11,8	10,0
Apr	4,5	15,2	-52,2	120,7	3,5		
May	7,2	3,7	-32,3	52,5	12,4		
Jun	5,0	4,0	-17,2	28,3	10,0		
Jul	11,4	4,3	-12,3	3,1	24,1		
Aug	8,4	4,9	-13,0	10,7	17,0		
Sep	9,0	-0,7	-2,6	8,5	18,2		
Oct	12,6	0,1	-2,2	-1,6	15,4		
Nov	5,7	-2,4	0,2	8,4	11,2		
Dec	4,9	-3,3	3,5	10,5	9,0		
Total	6,8	3,8	-11,0	16,0	12,7		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2020	2021	2022	2023	2020	2021	2022	2023
Jan	211 398	211 418	240 764	260 587	2,9	-0,8	3,3	-0,1
Feb	215 020	219 372	244 874	265 229	1,7	3,8	1,7	1,8
Mar	197 635	229 486	248 130	274 699	-8,1	4,6	1,3	3,6
Apr	104 885	229 847	240 487		-46,9	0,2	-3,1	
May	146 289	224 614	248 691		39,5	-2,3	3,4	
Jun	174 691	223 705	246 675		19,4	-0,4	-0,8	
Jul	188 238	197 308	246 946		7,8	-11,8	0,1	
Aug	196 580	215 963	250 332		4,4	9,5	1,4	
Sep	204 561	221 922	259 956		4,1	2,8	3,8	
Oct	212 326	212 463	248 336		3,8	-4,3	-4,5	
Nov	213 895	229 425	255 869		0,7	8,0	3,0	
Dec	213 087	233 166	260 930		-0,4	1,6	2,0	

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

Manufacturing division and major group	Oct-22	Nov-22	Dec-22	¹ Jan-23	¹ Feb-23	¹ Mar-23
Food and beverages	64 542	69 790	65 997	57 145	58 589	66 574
Meat, fish, fruit, etc.	18 984	21 682	19 878	16 899	17 416	18 867
Dairy products	6 289	6 236	5 898	5 590	5 117	6 318
Grain mill products	11 487	11 895	10 178	10 734	10 868	12 510
Other food products	12 457	13 614	10 895	9 646	11 273	12 131
Beverages	15 326	16 364	19 148	14 276	13 915	16 748
Textiles, clothing, leather and footwear	6 705	7 127	5 147	4 050	5 552	5 898
Textiles	861	903	591	607	728	851
Other textile products	1 951	1 975	1 529	1 186	1 772	1 672
Knitted, crocheted articles	249	253	171	142	180	215
Wearing apparel	2 132	2 350	1 612	1 120	1 664	1 755
Leather and leather products	579	624	421	378	527	586
Footwear	933	1 023	823	617	681	819
Wood and wood products, paper, publishing and printing	17 530	18 715	16 455	13 377	14 116	18 239
Sawmilling and planing of wood	1 199	1 273	1 041	1 170	1 227	1 308
Products of wood	2 427	2 530	1 637	1 997	2 144	2 178
Paper and paper products	8 854	9 170	9 672	6 421	6 690	10 603
Publishing	1 658	1 654	1 350	1 394	1 398	1 294
Printing, recorded media	3 392	4 088	2 755	2 396	2 656	2 855
Petroleum, chemical products, rubber and plastic products	55 657	59 055	48 838	44 816	51 618	59 328
Coke, petroleum products and nuclear fuel	17 548	15 946	15 586	13 860	17 837	21 803
Basic chemicals	11 758	13 622	10 691	10 304	10 442	11 366
Other chemical products	14 697	17 082	13 909	12 282	13 755	15 336
Rubber products	1 876	2 072	1 676	1 626	1 910	2 325
Plastic products	9 777	10 333	6 976	6 744	7 673	8 497
Glass and non-metallic mineral products	9 367	9 454	7 058	6 509	7 388	8 105
Glass and glass products	1 558	1 724	1 430	1 193	1 354	1 538
Non-metallic mineral products	7 810	7 730	5 628	5 317	6 034	6 567
Basic iron and steel, non-ferrous metal products, metal products and machinery	53 380	60 193	46 315	46 416	51 939	60 531
Basic iron and steel products	11 011	12 349	10 626	12 021	11 905	14 312
Non-ferrous metal products	15 456	18 612	15 426	15 424	14 612	16 993
Structural metal products	4 582	5 082	3 618	3 168	4 206	5 275
Other fabricated metal products	8 562	9 496	5 755	6 344	8 405	8 837
General purpose machinery	5 758	6 142	4 200	4 299	5 177	6 034
Special purpose machinery	6 841	7 227	5 655	4 152	6 523	7 743
Household appliances	1 172	1 285	1 034	1 007	1 111	1 337
Electrical machinery	6 259	6 460	5 198	4 677	6 245	7 082
Radio, television and communication apparatus and professional equipment	2 623	2 885	2 885	1 840	2 439	2 807
Radio, television and communication apparatus	1 109	1 172	1 315	792	1 110	1 252
Professional equipment	1 514	1 713	1 569	1 048	1 330	1 555
Motor vehicles, parts and accessories and other transport equipment	40 256	43 271	29 671	36 610	42 433	52 004
Motor vehicles	24 431	25 240	17 820	22 813	25 498	33 299
Bodies for motor vehicles, trailers and semi-trailers	1 770	1 813	1 102	844	1 379	1 964
Parts and accessories	10 657	12 253	7 691	10 317	12 390	12 629
Other transport equipment	3 399	3 966	3 058	2 636	3 166	4 112
Furniture and other manufacturing	9 482	10 036	9 435	7 538	8 860	10 406
Furniture	1 494	1 638	1 318	1 284	1 417	1 705
Other manufacturing groups	7 988	8 398	8 117	6 254	7 443	8 701
Total	265 803	286 986	236 998	222 978	249 178	290 974

¹ 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-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
Food and beverages	8,5	10,5	4,7	14,4	11,8	12,4
Meat, fish, fruit, etc.	17,0	26,5	7,9	17,3	17,1	3,9
Dairy products	24,1	25,2	21,9	34,9	30,3	33,9
Grain mill products	18,7	12,6	9,7	24,6	27,8	24,6
Other food products	9,8	21,3	15,2	5,3	19,1	25,4
Beverages	-10,7	-14,9	-9,0	4,9	-11,0	0,7
Textiles, clothing, leather and footwear	6,5	5,8	6,5	5,0	3,9	-1,2
Textiles	-7,3	3,6	5,9	-2,7	-4,6	1,8
Other textile products	9,1	5,7	23,3	16,6	10,6	-4,3
Knitted, crocheted articles	16,9	16,6	20,4	6,8	0,0	-0,5
Wearing apparel	3,1	-2,8	-8,6	-9,0	-6,4	-14,9
Leather and leather products	16,5	38,4	14,7	2,2	11,7	24,7
Footwear	16,8	12,4	7,9	27,5	23,4	28,8
Wood and wood products, paper, publishing and printing	12,2	5,9	16,3	-2,1	3,8	23,5
Sawmilling and planing of wood	27,6	17,9	22,8	37,2	27,2	32,8
Products of wood	9,3	10,3	8,2	9,8	8,6	10,8
Paper and paper products	12,7	0,9	18,5	-14,1	-6,9	29,2
Publishing	0,5	6,4	7,1	0,1	14,2	9,8
Printing, recorded media	14,5	11,9	16,7	13,0	18,1	17,5
Petroleum, chemical products, rubber and plastic products	14,0	17,0	5,0	3,5	14,6	12,7
Coke, petroleum products and nuclear fuel	18,7	0,7	-3,8	-2,7	24,0	34,0
Basic chemicals	5,9	25,0	3,7	9,5	9,7	-2,2
Other chemical products	12,0	29,3	15,4	6,0	13,8	4,0
Rubber products	6,2	20,3	20,3	20,4	19,4	35,2
Plastic products	21,3	17,3	6,3	0,6	2,7	2,7
Glass and non-metallic mineral products	13,8	12,1	17,2	12,3	1,8	3,9
Glass and glass products	22,1	26,6	15,0	13,0	11,5	27,4
Non-metallic mineral products	12,3	9,3	17,7	12,2	-0,1	-0,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	10,5	-4,8	0,1	-6,9	-7,4	-6,9
Basic iron and steel products	4,3	-35,0	-6,7	-18,4	-18,0	-13,7
Non-ferrous metal products	-10,1	1,8	-1,7	-4,7	-22,4	-21,9
Structural metal products	26,1	17,6	31,0	15,4	19,4	14,5
Other fabricated metal products	30,2	2,3	7,4	-6,5	5,0	-1,6
General purpose machinery	39,1	31,4	-2,1	20,1	22,1	25,7
Special purpose machinery	31,1	10,3	-2,4	-13,9	11,4	10,2
Household appliances	16,2	11,3	6,5	3,3	0,2	5,9
Electrical machinery	17,6	0,5	5,6	0,1	7,5	10,4
Radio, television and communication apparatus and professional equipment	-2,4	-3,7	8,4	-4,0	3,0	10,2
Radio, television and communication apparatus	-13,0	-22,6	-7,8	3,8	8,0	20,2
Professional equipment	7,1	15,7	27,0	-9,1	-0,7	3,4
Motor vehicles, parts and accessories and other transport equipment	53,9	49,3	53,3	54,3	26,1	43,9
Motor vehicles	60,3	62,1	62,6	70,1	24,6	56,9
Bodies for motor vehicles, trailers and semi-trailers	40,5	32,5	28,3	-5,9	22,5	37,6
Parts and accessories	53,4	38,6	54,8	43,0	31,0	24,2
Other transport equipment	25,5	24,2	18,8	19,4	21,1	23,5
Furniture and other manufacturing	1,3	0,9	-2,3	10,8	6,1	6,5
Furniture	-14,3	-18,0	-20,3	7,6	4,4	15,4
Other manufacturing groups	4,8	5,6	1,4	11,5	6,5	4,9
Total	15,4	11,2	9,0	9,6	8,4	11,8

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

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

Manufacturing division and major group	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Month-on-month % change
Food and beverages	61 691	59 823	63 929	63 886	65 253	2,1
Meat, fish, fruit, etc.	19 486	18 136	19 483	19 255	18 307	-4,9
Dairy products	5 591	5 441	5 803	5 765	5 898	2,3
Grain mill products	10 880	10 241	11 647	11 901	12 069	1,4
Other food products	12 053	11 559	10 759	12 323	12 970	5,3
Beverages	13 680	14 446	16 236	14 642	16 009	9,3
Textiles, clothing, leather and footwear	5 772	5 941	5 659	5 882	5 775	-1,8
Textiles	781	841	760	748	781	4,4
Other textile products	1 628	1 839	1 650	1 729	1 625	-6,0
Knitted, crocheted articles	221	226	203	200	203	1,5
Wearing apparel	1 788	1 725	1 740	1 790	1 706	-4,7
Leather and leather products	572	503	453	556	564	1,4
Footwear	782	807	852	859	896	4,3
Wood and wood products, paper, publishing and printing	16 054	17 311	15 326	14 989	18 123	20,9
Sawmilling and planing of wood	1 191	1 246	1 298	1 275	1 266	-0,7
Products of wood	2 182	2 136	2 316	2 224	2 207	-0,8
Paper and paper products	8 403	9 595	7 209	7 100	10 283	44,8
Publishing	1 351	1 386	1 574	1 441	1 412	-2,0
Printing, recorded media	2 927	2 948	2 929	2 949	2 955	0,2
Petroleum, chemical products, rubber and plastic products	52 081	51 730	50 444	58 656	58 353	-0,5
Coke, petroleum products and nuclear fuel	15 232	15 236	14 302	22 053	22 229	0,8
Basic chemicals	11 556	11 608	11 498	11 607	10 989	-5,3
Other chemical products	14 865	14 451	14 416	14 936	14 653	-1,9
Rubber products	1 869	2 179	1 948	1 864	2 102	12,8
Plastic products	8 560	8 256	8 280	8 196	8 379	2,2
Glass and non-metallic mineral products	8 166	8 786	8 248	8 088	7 962	-1,6
Glass and glass products	1 420	1 466	1 399	1 475	1 604	8,7
Non-metallic mineral products	6 746	7 321	6 849	6 613	6 358	-3,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	54 952	55 414	54 705	54 920	55 276	0,6
Basic iron and steel products	11 691	13 553	12 826	12 692	12 978	2,3
Non-ferrous metal products	17 329	17 110	17 080	15 475	15 834	2,3
Structural metal products	4 371	4 694	4 435	4 432	4 533	2,3
Other fabricated metal products	8 124	7 940	8 118	8 901	8 317	-6,6
General purpose machinery	5 626	4 882	5 657	5 595	5 820	4,0
Special purpose machinery	6 656	6 053	5 459	6 693	6 597	-1,4
Household appliances	1 154	1 182	1 130	1 133	1 197	5,6
Electrical machinery	5 622	6 233	6 047	6 187	6 325	2,2
Radio, television and communication apparatus and professional equipment	2 409	2 542	2 496	2 576	2 614	1,5
Radio, television and communication apparatus	928	1 032	1 105	1 121	1 151	2,7
Professional equipment	1 481	1 510	1 392	1 455	1 463	0,5
Motor vehicles, parts and accessories and other transport equipment	40 185	43 729	43 792	40 820	45 116	10,5
Motor vehicles	24 350	26 991	27 948	24 898	29 278	17,6
Bodies for motor vehicles, trailers and semi-trailers	1 551	1 574	1 222	1 552	1 836	18,3
Parts and accessories	10 755	12 005	11 404	11 063	10 607	-4,1
Other transport equipment	3 529	3 159	3 218	3 307	3 395	2,7
Furniture and other manufacturing	8 937	9 419	9 941	9 226	9 903	7,3
Furniture	1 262	1 425	1 847	1 590	1 787	12,4
Other manufacturing groups	7 675	7 994	8 094	7 636	8 116	6,3
Total	255 869	260 930	260 587	265 229	274 699	3,6

Survey information

Introduction	<p>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.</p> <p>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 2019. Both estimated and seasonally adjusted figures are presented.</p> <p>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.</p> <p>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).</p>
Purpose of the survey	<p>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.</p>
Special Data Dissemination Standard of the IMF	<p>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.</p>
Scope of the survey	<p>7 This survey covers manufacturing enterprises, i.e. those conducting activities in -</p> <ul style="list-style-type: none"> • the manufacturing, processing, making or packing of products; • the slaughtering of animals, including poultry; and • installation, assembly, completion, repair and related work.
Classification	<p>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.</p>
Collection rate	<p>9 The preliminary collection rate for the survey on manufacturing production and sales was 63,6% for March 2023. The improved collection rate for February 2023 was 67,8%.</p>
Statistical unit	<p>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.</p>
Revised figures	<p>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.</p>
Related publications	<p>12 Users may also wish to refer to <i>Stats in Brief</i> available from Stats SA.</p>

- 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 3 276 enterprises from a population of 29 355 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 2022 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 limit	Upper limit
Very small	4	2 097 811	17 500 000
Small	3	17 500 001	45 500 000
Medium	2	45 500 001	178 500 000
Large	1	178 500 001	

- 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 2019. 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 producer 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 2023	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 (based on value added for 2016 – 2018)	2019 – 2023 (based on value added for 2017 – 2019)
Food and beverages	19,24	19,76	20,18	20,75
Meat, fish, fruit, etc.	2,58	2,74	2,95	3,27
Dairy products	1,27	1,32	1,34	1,39
Grain mill products	1,95	1,81	1,69	1,68
Other food products	7,29	7,53	7,76	7,75
Beverages	6,15	6,36	6,44	6,66
Textiles, clothing, leather and footwear	4,55	4,44	4,38	4,26
Textiles	1,15	1,11	1,10	1,08
Other textile products	0,67	0,67	0,65	0,61
Knitted, crocheted articles	0,06	0,06	0,06	0,06
Wearing apparel	2,13	2,07	2,04	1,98
Leather and leather products	0,29	0,28	0,28	0,27
Footwear	0,25	0,25	0,25	0,25
Wood and wood products, paper, publishing and printing	10,88	10,76	10,77	10,63
Sawmilling and planing of wood	0,93	0,93	0,93	0,87
Products of wood	0,83	0,86	0,87	0,88
Paper and paper products	5,38	5,33	5,39	5,34
Publishing	2,31	2,28	2,24	2,18
Printing, recorded media	1,43	1,36	1,34	1,35
Petroleum, chemical products, rubber and plastic products	24,66	25,25	25,38	24,95
Coke, petroleum products and nuclear fuel	10,98	11,72	12,02	11,85
Basic chemicals	4,10	3,82	3,69	3,50
Other chemical products	6,28	6,42	6,54	6,64
Rubber products	0,96	0,91	0,84	0,76
Plastic products	2,34	2,38	2,29	2,20
Glass and non-metallic mineral products	3,98	3,66	3,42	3,24
Glass and glass products	0,61	0,57	0,51	0,49
Non-metallic mineral products	3,37	3,09	2,91	2,75
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,82	19,55	19,47	19,73
Basic iron and steel products	2,86	2,77	2,82	2,92
Non-ferrous metal products (including precious metals)	3,74	3,48	3,26	3,32
Structural metal products	1,92	1,97	1,98	1,99
Other fabricated metal products	3,33	3,32	3,35	3,53
General purpose machinery	3,35	3,36	3,46	3,42
Special purpose machinery	3,93	3,93	3,87	3,85
Household appliances	0,69	0,71	0,73	0,70
Electrical machinery	2,55	2,42	2,31	2,21
Radio, television and communication apparatus and professional equipment	1,46	1,34	1,21	1,07
Radio, television and communication apparatus	0,43	0,29	0,13	0,04
Professional equipment	1,03	1,05	1,08	1,03
Motor vehicles, parts and accessories and other transport equipment	8,63	8,56	8,66	8,89
Motor vehicles	2,51	2,61	2,65	2,78
Bodies for motor vehicles, trailers and semi-trailers	0,66	0,68	0,71	0,73
Parts and accessories	4,10	3,91	3,93	3,97
Other transport equipment	1,36	1,36	1,37	1,40
Furniture and other manufacturing	4,22	4,26	4,21	4,27
Furniture	0,88	0,91	0,86	0,78
Other manufacturing groups	3,34	3,35	3,35	3,49
Total	100	100	100	100

Seasonal adjustment 10 Seasonally adjusted estimates are generated each month, using the X-12 Seasonal Adjustment Program developed by the United States Census Bureau. 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. This means 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 Manufacturing seasonal adjustment February 2022](#)

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.

Relative standard error 14 One measure of the likely difference is given by the standard error (SE), which indicates the extent to which an estimate might have varied by chance because only a sample of enterprises was used. The relative standard error (RSE) provides an immediate indication of the percentage errors likely to have occurred due to sampling, and thus avoids the need to refer to the size of the estimate.

Estimates of total industry sales within 95% confidence limits – March 2023

	Lower limit (R million)	Estimate (R million)	Upper limit (R million)	Relative standard error (RSE)%
Total sales	287 758	290 974	294 189	0,6

Month-on-month percentage change 15 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 16 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) 17 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) 18 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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General information

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

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