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Manufacturing: Production and sales (Preliminary)

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Production: results for February 2023

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

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

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

Manufacturing production decreased by 5,2% in February 2023 compared with February 2022. The largest contributions were made by the following divisions:

- food and beverages (-6,1% and contributing -1,3 percentage points);
- basic iron and steel, non-ferrous metal products, metal products and machinery (-5,3% and contributing -1,1 percentage points); and
- petroleum, chemical products, rubber and plastic products (-4,7% and contributing -1,0 percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 1,3% in February 2023 compared with January 2023. This followed month-on-month changes of 0,5% in January 2023 and 0,2% in December 2022 – see Table A.

Seasonally adjusted manufacturing production decreased by 1,0% in the three months ended February 2023 compared with the previous three months. Five of the ten manufacturing divisions reported negative growth rates over this period.

The largest contribution was made by the motor vehicles, parts and accessories and other transport equipment division (-10,9% and contributing -1,2 percentage points) – 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	Sep – Nov 2022	Dec 2022 – Feb 2023	% change between Sep – Nov 2022 and Dec 2022 – Feb 2023	Contribution (% points) to the total % change
Food and beverages	20,75	100,5	101,7	1,2	0,3
Meat, fish, fruit, etc.	3,27	106,1	108,1	1,9	0,1
Dairy products	1,39	97,1	100,4	3,4	0,0
Grain mill products	1,68	98,6	97,6	-1,0	0,0
Other food products	7,75	94,7	94,7	0,0	0,0
Beverages	6,66	105,7	108,0	2,2	0,2
Textiles, clothing, leather and footwear	4,26	92,7	91,9	-0,9	0,0
Textiles	1,08	100,4	98,9	-1,5	0,0
Other textile products	0,61	95,5	94,8	-0,7	0,0
Knitted, crocheted articles	0,06	90,9	85,0	-6,5	0,0
Wearing apparel	1,98	86,1	86,9	0,9	0,0
Leather and leather products	0,27	94,7	86,0	-9,2	0,0
Footwear	0,25	102,9	102,5	-0,4	0,0
Wood and wood products, paper, publishing and printing	10,63	92,8	90,8	-2,2	-0,2
Sawmilling and planing of wood	0,87	95,8	97,9	2,2	0,0
Products of wood	0,88	104,5	107,6	3,0	0,0
Paper and paper products	5,34	95,9	91,6	-4,5	-0,2
Publishing	2,18	79,6	78,1	-1,9	0,0
Printing, recorded media	1,35	92,2	92,4	0,2	0,0
Petroleum, chemical products, rubber and plastic products	24,95	73,7	75,6	2,6	0,5
Coke, petroleum products and nuclear fuel	11,85	48,7	53,1	9,0	0,6
Basic chemicals	3,50	99,4	100,9	1,5	0,1
Other chemical products	6,64	93,4	91,7	-1,8	-0,1
Rubber products	0,76	95,4	96,1	0,7	0,0
Plastic products	2,20	100,4	101,6	1,2	0,0
Glass and non-metallic mineral products	3,24	105,1	105,3	0,2	0,0
Glass and glass products	0,49	104,4	104,5	0,1	0,0
Non-metallic mineral products	2,75	105,2	105,4	0,2	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	95,9	93,8	-2,2	-0,4
Basic iron and steel products	2,92	83,1	79,5	-4,3	-0,1
Non-ferrous metal products	3,32	90,3	87,6	-3,0	-0,1
Structural metal products	1,99	100,3	99,9	-0,4	0,0
Other fabricated metal products	3,53	97,1	96,1	-1,0	0,0
General purpose machinery	3,42	107,3	105,3	-1,9	-0,1
Special purpose machinery	3,85	95,8	94,8	-1,0	0,0
Household appliances	0,70	100,0	94,2	-5,8	0,0
Electrical machinery	2,21	94,0	99,8	6,2	0,1
Radio, television and communication apparatus and professional equipment	1,07	102,2	103,6	1,4	0,0
Radio, television and communication apparatus	0,04	89,9	90,4	0,6	0,0
Professional equipment	1,03	102,7	104,1	1,4	0,0
Motor vehicles, parts and accessories and other transport equipment	8,89	114,5	102,0	-10,9	-1,2
Motor vehicles	2,78	102,6	97,3	-5,2	-0,2
Bodies for motor vehicles, trailers and semi-trailers	0,73	116,0	105,7	-8,9	-0,1
Parts and accessories	3,97	126,7	105,5	-16,7	-0,9
Other transport equipment	1,40	102,5	99,4	-3,0	0,0
Furniture and other manufacturing	4,27	86,7	86,2	-0,6	0,0
Furniture	0,78	85,4	95,1	11,4	0,1
Other manufacturing groups	3,49	87,0	84,2	-3,2	-0,1
Total	100	92,4	91,5	-1,0	-1,0

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

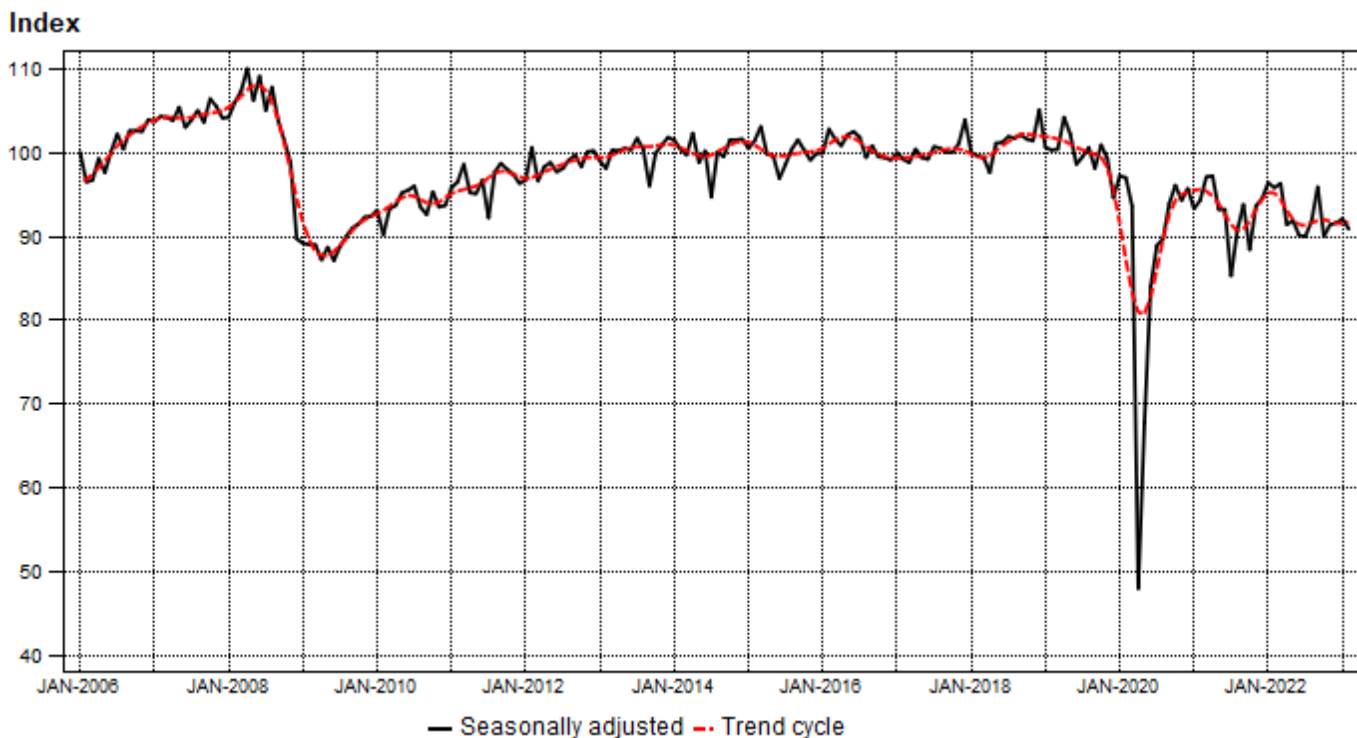
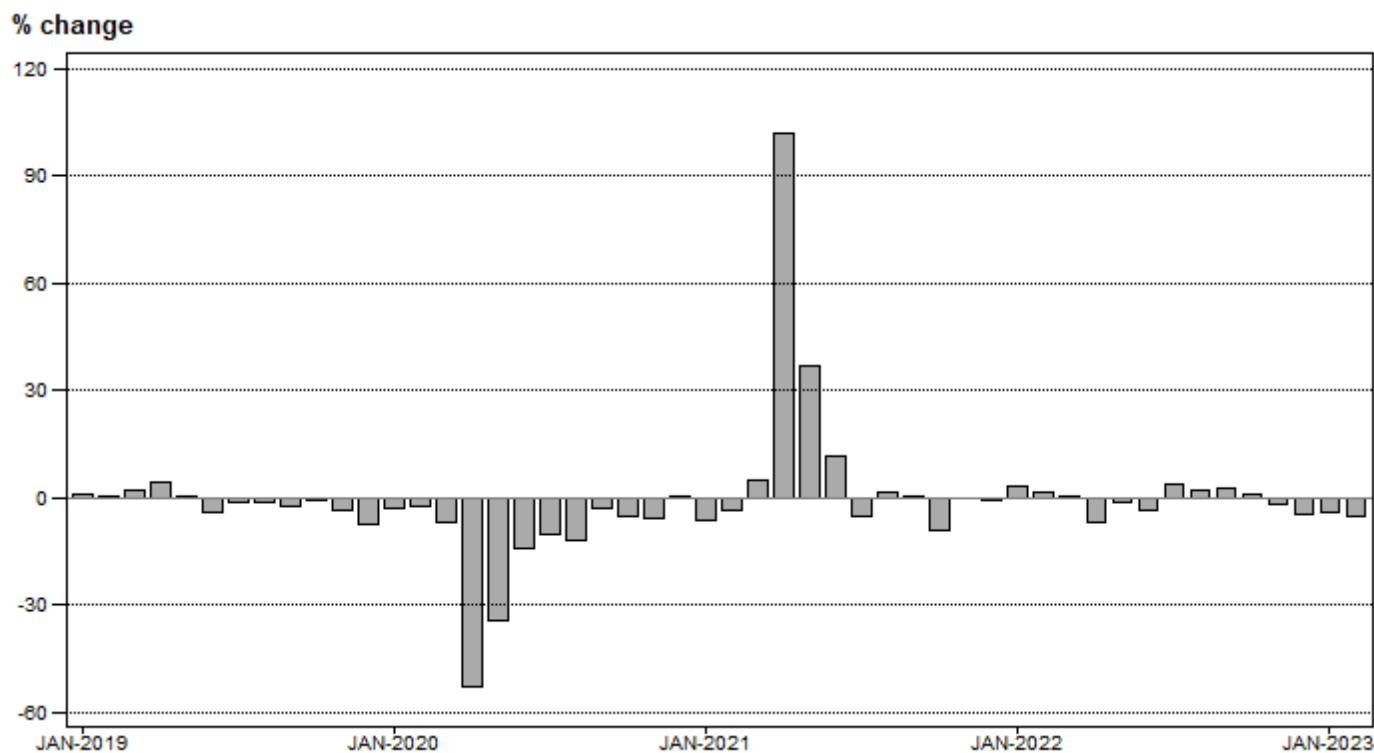


Figure 2 – Volume of manufacturing production (Base: 2019=100): year-on-year percentage change



Sales: results for February 2023

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

	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23
Year-on-year % change, unadjusted	18,2	15,4	11,2	9,1	9,6	8,9
Month-on-month % change, seasonally adjusted	3,9	-4,7	2,9	1,9	-0,3	2,1
3-month % change, seasonally adjusted ¹	3,3	2,3	2,6	0,7	2,1	2,7

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

Seasonally adjusted manufacturing sales increased by 2,1% in February 2023 compared with January 2023. This followed month-on-month changes of -0,3% in January 2023 and 1,9% in December 2022 – see Table C.

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

Manufacturing division	Sep – Nov 2022 (R million)	Dec 2022 – Feb 2023 (R million)	% change between Sep – Nov 2022 and Dec 2022 – Feb 2023	Contribution (% points) to the total % change
Food and beverages	185 879	186 939	0,6	0,1
Textiles, clothing, leather and footwear	17 379	17 633	1,5	0,0
Wood and wood products, paper, publishing and printing	49 434	47 895	-3,1	-0,2
Petroleum, chemical products, rubber and plastic products	156 520	160 781	2,7	0,6
Glass and non-metallic mineral products	24 694	25 335	2,6	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	160 799	164 728	2,4	0,5
Electrical machinery	17 349	18 417	6,2	0,1
Radio, television and communication apparatus and professional equipment	7 448	7 563	1,5	0,0
Motor vehicles, parts and accessories and other transport equipment	117 683	127 439	8,3	1,3
Furniture and other manufacturing	27 157	28 528	5,0	0,2
Total	764 344	785 257	2,7	2,7

Seasonally adjusted manufacturing sales increased by 2,7% in the three months ended February 2023 compared with the previous three months. The largest contributions were made by the follow divisions:

- motor vehicles, parts and accessories and other transport equipment (8,3% and contributing 1,3 percentage points);
- petroleum, chemical products, rubber and plastic products (2,7% and contributing 0,6 of a percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (2,4% and contributing 0,5 of a percentage point) – see 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	79,4
Feb	94,3	94,5	94,9	92,4	89,3	90,9	86,2
Mar	101,5	98,9	101,2	94,4	98,9	99,1	
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	-4,1	-4,1
Feb	0,2	0,4	-2,6	-3,4	1,8	-5,2	-4,7
Mar	-2,6	2,3	-6,7	4,8	0,2		
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	93,3	96,4	92,1	2,7	-2,5	2,0	0,5
Feb	97,0	94,3	95,8	90,9	-0,2	1,1	-0,6	-1,3
Mar	93,6	97,1	96,3		-3,5	3,0	0,5	
Apr	48,0	97,2	91,4		-48,7	0,1	-5,1	
May	67,8	93,2	91,9		41,2	-4,1	0,5	
Jun	84,0	93,2	90,1		23,9	0,0	-2,0	
Jul	88,9	85,3	90,0		5,8	-8,5	-0,1	
Aug	89,7	90,7	91,8		0,9	6,3	2,0	
Sep	93,9	93,8	95,9		4,7	3,4	4,5	
Oct	96,1	88,4	90,0		2,3	-5,8	-6,2	
Nov	94,3	93,6	91,4		-1,9	5,9	1,6	
Dec	95,7	94,5	91,6		1,5	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	Sep-22	Oct-22	Nov-22	¹ Dec-22	¹ Jan-23	¹ Feb-23
Food and beverages	20,75	118,0	104,9	108,0	105,7	92,7	90,0
Meat, fish, fruit, etc.	3,27	109,1	105,4	118,1	111,3	101,5	102,6
Dairy products	1,39	103,4	110,0	110,6	104,6	101,2	89,4
Grain mill products	1,68	99,6	104,7	106,5	90,2	88,7	96,5
Other food products	7,75	113,1	99,5	98,9	86,8	76,7	77,9
Beverages	6,66	135,8	109,8	113,5	129,1	106,3	96,5
Textiles, clothing, leather and footwear	4,26	100,4	107,2	112,1	77,4	66,6	86,9
Textiles	1,08	109,5	110,1	118,5	71,8	75,7	88,4
Other textile products	0,61	103,6	111,7	113,0	79,4	66,2	103,1
Knitted, crocheted articles	0,06	104,6	105,0	102,6	73,4	57,8	72,5
Wearing apparel	1,98	92,3	104,2	107,2	78,3	59,2	82,2
Leather and leather products	0,27	103,2	97,6	106,3	67,3	80,0	87,5
Footwear	0,25	112,6	118,8	129,4	101,7	75,0	80,8
Wood and wood products, paper, publishing and printing	10,63	110,8	101,5	103,4	89,8	82,1	80,0
Sawmilling and planing of wood	0,87	105,6	96,4	102,9	75,4	92,3	92,3
Products of wood	0,88	114,4	120,7	120,9	84,8	96,2	102,3
Paper and paper products	5,34	113,8	102,1	100,1	99,1	83,8	77,3
Publishing	2,18	106,4	92,5	89,2	74,8	73,7	73,5
Printing, recorded media	1,35	107,1	104,1	128,6	89,8	73,1	78,4
Petroleum, chemical products, rubber and plastic products	24,95	75,6	78,1	83,0	69,6	69,0	75,1
Coke, petroleum products and nuclear fuel	11,85	46,0	53,6	52,7	52,0	51,4	56,2
Basic chemicals	3,50	106,3	100,9	108,0	94,9	89,4	95,5
Other chemical products	6,64	97,1	95,9	108,1	84,6	80,9	88,6
Rubber products	0,76	103,9	104,0	103,3	49,7	92,3	102,7
Plastic products	2,20	112,0	110,9	123,5	86,0	87,1	94,6
Glass and non-metallic mineral products	3,24	114,3	119,8	117,8	91,2	86,5	90,1
Glass and glass products	0,49	113,1	113,2	119,3	101,6	100,5	94,1
Non-metallic mineral products	2,75	114,5	121,0	117,5	89,3	84,0	89,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	100,7	101,9	106,3	77,9	80,3	90,1
Basic iron and steel products	2,92	84,9	88,1	82,9	69,7	81,8	77,5
Non-ferrous metal products	3,32	89,2	94,9	95,0	84,2	83,5	81,2
Structural metal products	1,99	117,3	106,5	116,1	80,5	71,5	95,1
Other fabricated metal products	3,53	109,4	104,2	114,2	67,1	77,3	99,2
General purpose machinery	3,42	117,8	113,8	122,2	82,9	85,5	95,6
Special purpose machinery	3,85	90,1	103,5	106,7	81,9	77,6	91,1
Household appliances	0,70	104,8	101,2	110,5	83,1	87,4	91,9
Electrical machinery	2,21	100,3	102,4	107,0	77,2	80,5	97,9
Radio, television and communication apparatus and professional equipment	1,07	106,6	106,5	119,9	107,5	74,2	102,0
Radio, television and communication apparatus	0,04	100,3	115,1	114,3	111,0	63,9	86,9
Professional equipment	1,03	106,9	106,1	120,1	107,4	74,6	102,6
Motor vehicles, parts and accessories and other transport equipment	8,89	135,3	114,8	122,8	65,2	80,7	103,7
Motor vehicles	2,78	136,2	96,5	111,3	52,6	77,0	97,6
Bodies for motor vehicles, trailers and semi-trailers	0,73	127,2	130,9	134,4	68,7	71,9	103,9
Parts and accessories	3,97	145,1	127,8	128,7	63,0	84,3	109,9
Other transport equipment	1,40	110,2	106,0	123,1	94,9	82,3	98,1
Furniture and other manufacturing	4,27	97,7	93,5	100,3	83,4	70,8	80,6
Furniture	0,78	93,8	96,8	115,1	95,2	73,1	78,2
Other manufacturing groups	3,49	98,5	92,8	97,0	80,7	70,3	81,2
Total	100	102,5	98,2	102,5	82,7	79,4	86,2

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	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23
Food and beverages	7,8	-3,9	-4,8	-4,4	3,6	-6,1
Meat, fish, fruit, etc.	6,3	0,7	5,1	-3,8	10,1	1,8
Dairy products	7,8	0,7	4,1	8,2	18,8	13,3
Grain mill products	-3,9	0,4	-8,3	-13,4	-10,9	0,4
Other food products	2,1	0,3	1,4	1,0	-3,6	-6,9
Beverages	17,3	-11,7	-14,9	-8,8	8,4	-12,9
Textiles, clothing, leather and footwear	-1,1	-6,9	-6,7	-4,6	-3,9	-12,0
Textiles	-18,3	-19,9	-12,5	-5,5	-13,2	-24,6
Other textile products	12,5	0,4	-0,3	4,6	6,8	8,5
Knitted, crocheted articles	23,6	8,6	12,3	18,8	2,5	-16,3
Wearing apparel	3,2	-3,1	-10,4	-8,3	-4,4	-13,3
Leather and leather products	17,8	1,6	31,1	3,2	10,0	2,9
Footwear	13,2	4,5	2,9	-3,0	9,5	6,7
Wood and wood products, paper, publishing and printing	-2,7	-2,9	-8,8	-1,6	-4,2	-4,8
Sawmilling and planing of wood	21,5	9,9	2,5	2,9	15,2	5,6
Products of wood	2,9	1,4	3,1	-6,0	4,9	2,0
Paper and paper products	3,6	0,7	-11,3	-0,9	-8,0	-10,1
Publishing	-25,1	-14,4	-10,5	-8,8	-6,6	-1,7
Printing, recorded media	3,4	-7,4	-10,2	6,4	-2,3	0,1
Petroleum, chemical products, rubber and plastic products	-10,4	-9,7	-2,1	-12,2	-11,3	-4,7
Coke, petroleum products and nuclear fuel	-21,4	-22,3	-19,7	-27,5	-25,4	-14,3
Basic chemicals	-7,7	0,9	8,1	4,5	-6,6	8,6
Other chemical products	-9,8	-6,2	7,1	-4,8	0,9	-3,9
Rubber products	15,2	0,5	9,2	4,6	-10,0	14,9
Plastic products	8,9	4,8	10,3	1,9	7,3	3,3
Glass and non-metallic mineral products	5,3	6,3	2,7	5,9	8,1	-3,2
Glass and glass products	16,6	8,6	7,5	2,7	11,3	-3,2
Non-metallic mineral products	3,5	5,9	1,8	6,6	7,6	-3,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	-2,0	14,4	0,1	-6,0	-3,4	-5,3
Basic iron and steel products	-13,0	-6,4	-16,1	-15,9	-13,2	-18,2
Non-ferrous metal products	-1,0	31,3	4,5	-6,3	-0,5	-8,1
Structural metal products	3,9	16,4	6,8	16,5	8,8	3,9
Other fabricated metal products	-0,1	17,3	-6,5	-5,4	-13,0	-2,4
General purpose machinery	4,8	24,0	16,4	-12,8	8,4	2,6
Special purpose machinery	-8,9	8,3	-3,4	-2,4	-3,1	-7,1
Household appliances	7,7	8,6	5,6	-1,1	-5,0	-6,1
Electrical machinery	-1,0	0,3	-7,4	-11,2	-8,0	-7,5
Radio, television and communication apparatus and professional equipment	15,1	-1,7	7,5	20,1	-11,4	4,4
Radio, television and communication apparatus	0,2	-5,1	-6,2	-11,5	1,9	-4,6
Professional equipment	15,8	-1,6	8,1	22,0	-11,8	4,7
Motor vehicles, parts and accessories and other transport equipment	40,9	21,4	10,6	13,4	-6,9	1,0
Motor vehicles	61,6	11,8	5,5	10,5	-6,4	-12,0
Bodies for motor vehicles, trailers and semi-trailers	2,9	20,6	9,8	0,7	-10,5	11,4
Parts and accessories	50,1	32,2	15,2	24,0	-10,4	6,8
Other transport equipment	7,5	8,1	7,9	4,5	5,9	7,8
Furniture and other manufacturing	3,6	0,6	-6,3	-4,2	-5,9	-11,8
Furniture	-18,5	-10,2	-6,1	-4,7	-0,9	-5,6
Other manufacturing groups	9,8	3,7	-6,4	-4,2	-6,9	-13,0
Total	2,7	0,9	-2,1	-4,6	-4,1	-5,2

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

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

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	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Month-on-month % change
Food and beverages	20,75	96,3	96,3	99,4	105,4	100,3	-4,8
Meat, fish, fruit, etc.	3,27	103,6	107,9	104,3	112,6	107,4	-4,6
Dairy products	1,39	97,6	97,6	97,3	103,4	100,6	-2,7
Grain mill products	1,68	101,0	96,9	91,7	97,3	103,7	6,6
Other food products	7,75	92,2	90,6	96,1	93,8	94,2	0,4
Beverages	6,66	96,0	96,9	103,2	117,7	103,0	-12,5
Textiles, clothing, leather and footwear	4,26	90,4	94,2	94,3	92,9	88,5	-4,7
Textiles	1,08	97,3	104,2	111,0	98,4	87,2	-11,4
Other textile products	0,61	96,3	93,9	98,0	88,4	98,1	11,0
Knitted, crocheted articles	0,06	90,8	90,3	94,1	82,5	78,3	-5,1
Wearing apparel	1,98	84,2	86,9	85,2	90,5	84,9	-6,2
Leather and leather products	0,27	83,8	103,0	78,5	90,1	89,4	-0,8
Footwear	0,25	101,8	101,4	102,6	104,4	100,6	-3,6
Wood and wood products, paper, publishing and printing	10,63	92,7	89,4	94,3	91,4	86,8	-5,0
Sawmilling and planing of wood	0,87	92,9	95,8	96,2	101,1	96,3	-4,7
Products of wood	0,88	102,7	105,8	106,2	110,3	106,3	-3,6
Paper and paper products	5,34	98,0	91,1	98,8	91,8	84,3	-8,2
Publishing	2,18	78,9	74,5	76,8	79,0	78,6	-0,5
Printing, recorded media	1,35	87,1	91,7	95,8	90,9	90,6	-0,3
Petroleum, chemical products, rubber and plastic products	24,95	72,7	75,2	73,8	74,0	79,1	6,9
Coke, petroleum products and nuclear fuel	11,85	48,6	50,5	50,1	50,5	58,6	16,0
Basic chemicals	3,50	97,9	99,2	101,6	93,8	107,2	14,3
Other chemical products	6,64	91,8	96,0	90,5	92,7	91,8	-1,0
Rubber products	0,76	93,7	94,5	90,2	101,1	97,0	-4,1
Plastic products	2,20	97,2	101,1	100,7	103,6	100,5	-3,0
Glass and non-metallic mineral products	3,24	104,5	104,4	110,4	106,8	98,6	-7,7
Glass and glass products	0,49	102,1	103,3	104,5	107,4	101,6	-5,4
Non-metallic mineral products	2,75	104,9	104,6	111,4	106,7	98,1	-8,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	94,4	97,3	92,1	96,0	93,4	-2,7
Basic iron and steel products	2,92	82,4	82,3	79,7	80,9	77,9	-3,7
Non-ferrous metal products	3,32	90,4	91,6	88,3	89,4	85,1	-4,8
Structural metal products	1,99	96,7	99,1	104,8	98,4	96,4	-2,0
Other fabricated metal products	3,53	91,4	98,2	95,3	93,6	99,3	6,1
General purpose machinery	3,42	105,3	109,3	93,4	116,5	105,9	-9,1
Special purpose machinery	3,85	98,0	100,7	93,0	97,0	94,3	-2,8
Household appliances	0,70	98,5	98,8	98,4	90,8	93,5	3,0
Electrical machinery	2,21	95,4	95,6	102,6	98,5	98,3	-0,2
Radio, television and communication apparatus and professional equipment	1,07	98,8	104,4	105,9	97,5	107,4	10,2
Radio, television and communication apparatus	0,04	91,0	88,4	92,9	89,1	89,1	0,0
Professional equipment	1,03	99,1	105,1	106,5	97,8	108,1	10,5
Motor vehicles, parts and accessories and other transport equipment	8,89	105,7	108,7	106,1	98,9	100,9	2,0
Motor vehicles	2,78	86,8	96,4	102,1	97,1	92,6	-4,6
Bodies for motor vehicles, trailers and semi-trailers	0,73	118,1	112,9	108,4	100,9	107,9	6,9
Parts and accessories	3,97	118,9	116,2	111,5	99,6	105,3	5,7
Other transport equipment	1,40	99,5	109,5	97,7	99,2	101,2	2,0
Furniture and other manufacturing	4,27	84,4	84,7	91,2	86,5	81,0	-6,4
Furniture	0,78	83,4	88,4	102,7	94,2	88,3	-6,3
Other manufacturing groups	3,49	84,7	83,9	88,6	84,7	79,4	-6,3
Total	100	90,0	91,4	91,6	92,1	90,9	-1,3

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	222 990
Feb	175 284	186 833	197 889	202 751	206 844	229 922	250 325
Mar	196 317	198 873	216 145	202 704	238 957	260 280	
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	237 128	
Total	2 316 098	2 474 506	2 567 907	2 284 544	2 649 414	2 987 287	

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	8,9	9,2
Mar	1,3	8,7	-6,2	17,9	8,9		
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	9,1		
Total	6,8	3,8	-11,0	16,0	12,8		

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	211 115	211 072	240 198	259 645	2,9	-0,8	3,2	-0,3
Feb	214 666	218 747	243 922	265 125	1,7	3,6	1,6	2,1
Mar	198 057	230 301	249 481		-7,7	5,3	2,3	
Apr	104 688	229 517	240 041		-47,1	-0,3	-3,8	
May	146 067	224 384	248 331		39,5	-2,2	3,5	
Jun	174 570	223 473	246 497		19,5	-0,4	-0,7	
Jul	188 698	197 910	247 661		8,1	-11,4	0,5	
Aug	196 963	216 368	250 753		4,4	9,3	1,2	
Sep	204 800	222 375	260 453		4,0	2,8	3,9	
Oct	212 358	212 502	248 328		3,7	-4,4	-4,7	
Nov	213 823	229 321	255 563		0,7	7,9	2,9	
Dec	212 745	232 693	260 487		-0,5	1,5	1,9	

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

Manufacturing division and major group	Sep-22	Oct-22	Nov-22	¹ Dec-22	¹ Jan-23	¹ Feb-23
Food and beverages	66 245	64 542	69 790	65 931	56 894	58 907
Meat, fish, fruit, etc.	19 237	18 984	21 682	19 853	16 922	17 539
Dairy products	5 580	6 289	6 236	5 898	5 590	5 211
Grain mill products	10 894	11 487	11 895	10 178	10 480	10 899
Other food products	11 792	12 457	13 614	10 855	9 626	11 343
Beverages	18 742	15 326	16 364	19 148	14 276	13 915
Textiles, clothing, leather and footwear	6 215	6 705	7 127	5 138	4 046	5 666
Textiles	841	861	903	565	609	735
Other textile products	1 775	1 951	1 975	1 536	1 178	1 852
Knitted, crocheted articles	272	249	253	181	147	184
Wearing apparel	1 828	2 132	2 350	1 612	1 118	1 730
Leather and leather products	606	579	624	421	378	483
Footwear	893	933	1 023	823	617	681
Wood and wood products, paper, publishing and printing	19 456	17 530	18 715	16 456	13 477	14 191
Sawmilling and planing of wood	1 231	1 199	1 273	1 041	1 170	1 228
Products of wood	2 368	2 427	2 530	1 640	2 003	2 138
Paper and paper products	10 688	8 854	9 170	9 672	6 515	6 785
Publishing	1 917	1 658	1 654	1 349	1 394	1 398
Printing, recorded media	3 253	3 392	4 088	2 755	2 395	2 643
Petroleum, chemical products, rubber and plastic products	54 857	55 657	59 055	48 953	44 667	52 079
Coke, petroleum products and nuclear fuel	15 437	17 548	15 946	15 586	13 850	17 855
Basic chemicals	12 567	11 758	13 622	10 756	10 092	10 518
Other chemical products	15 383	14 697	17 082	13 959	12 355	14 109
Rubber products	1 935	1 876	2 072	1 676	1 626	1 910
Plastic products	9 536	9 777	10 333	6 976	6 744	7 686
Glass and non-metallic mineral products	9 041	9 367	9 454	7 043	6 497	7 504
Glass and glass products	1 564	1 558	1 724	1 430	1 193	1 354
Non-metallic mineral products	7 477	7 810	7 730	5 613	5 305	6 150
Basic iron and steel, non-ferrous metal products, metal products and machinery	57 629	53 380	60 193	46 343	46 502	51 821
Basic iron and steel products	13 103	11 011	12 349	10 626	12 020	11 998
Non-ferrous metal products	16 698	15 456	18 612	15 426	15 424	14 525
Structural metal products	5 009	4 582	5 082	3 618	3 168	4 171
Other fabricated metal products	9 242	8 562	9 496	5 755	6 366	8 374
General purpose machinery	5 898	5 758	6 142	4 240	4 362	5 031
Special purpose machinery	6 452	6 841	7 227	5 643	4 154	6 610
Household appliances	1 226	1 172	1 285	1 034	1 007	1 111
Electrical machinery	6 352	6 259	6 460	5 221	4 710	6 194
Radio, television and communication apparatus and professional equipment	2 814	2 623	2 885	2 912	1 843	2 360
Radio, television and communication apparatus	1 223	1 109	1 172	1 325	792	1 057
Professional equipment	1 592	1 514	1 713	1 587	1 051	1 303
Motor vehicles, parts and accessories and other transport equipment	41 751	40 256	43 271	29 671	36 800	42 779
Motor vehicles	24 717	24 431	25 240	17 820	22 855	25 518
Bodies for motor vehicles, trailers and semi-trailers	1 695	1 770	1 813	1 102	844	1 388
Parts and accessories	11 817	10 657	12 253	7 691	10 465	12 710
Other transport equipment	3 521	3 399	3 966	3 058	2 636	3 164
Furniture and other manufacturing	9 702	9 482	10 036	9 459	7 553	8 824
Furniture	1 562	1 494	1 638	1 318	1 284	1 417
Other manufacturing groups	8 140	7 988	8 398	8 141	6 269	7 407
Total	274 061	265 803	286 986	237 128	222 990	250 325

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	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23
Food and beverages	15,5	8,5	10,5	4,6	13,9	12,4
Meat, fish, fruit, etc.	21,0	17,0	26,5	7,8	17,4	17,9
Dairy products	22,1	24,1	25,2	21,9	34,9	32,7
Grain mill products	20,6	18,7	12,6	9,7	21,7	28,2
Other food products	1,9	9,8	21,3	14,8	5,1	19,8
Beverages	15,1	-10,7	-14,9	-9,0	4,9	-11,0
Textiles, clothing, leather and footwear	13,8	6,5	5,8	6,3	4,9	6,0
Textiles	6,1	-7,3	3,6	1,3	-2,4	-3,7
Other textile products	18,0	9,1	5,7	23,9	15,8	15,6
Knitted, crocheted articles	39,5	16,9	16,6	27,5	10,5	2,2
Wearing apparel	2,6	3,1	-2,8	-8,6	-9,2	-2,6
Leather and leather products	24,7	16,5	38,4	14,7	2,2	2,3
Footwear	27,8	16,8	12,4	7,9	27,5	23,4
Wood and wood products, paper, publishing and printing	16,4	12,2	5,9	16,3	-1,3	4,4
Sawmilling and planing of wood	32,4	27,6	17,9	22,8	37,2	27,3
Products of wood	10,8	9,3	10,3	8,4	10,2	8,3
Paper and paper products	24,5	12,7	0,9	18,5	-12,8	-5,5
Publishing	-14,9	0,5	6,4	7,0	0,1	14,2
Printing, recorded media	15,4	14,5	11,9	16,7	12,9	17,5
Petroleum, chemical products, rubber and plastic products	15,7	14,0	17,0	5,2	3,2	15,6
Coke, petroleum products and nuclear fuel	17,5	18,7	0,7	-3,8	-2,8	24,1
Basic chemicals	15,3	5,9	25,0	4,3	7,2	10,5
Other chemical products	9,7	12,0	29,3	15,8	6,6	16,8
Rubber products	21,5	6,2	20,3	20,3	20,4	19,4
Plastic products	22,9	21,3	17,3	6,3	0,6	2,9
Glass and non-metallic mineral products	14,3	13,8	12,1	16,9	12,1	3,4
Glass and glass products	33,9	22,1	26,6	15,0	13,0	11,5
Non-metallic mineral products	10,9	12,3	9,3	17,4	12,0	1,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	1,4	10,5	-4,8	0,2	-6,7	-7,6
Basic iron and steel products	-19,8	4,3	-35,0	-6,7	-18,4	-17,4
Non-ferrous metal products	4,7	-10,1	1,8	-1,7	-4,7	-22,8
Structural metal products	15,5	26,1	17,6	31,0	15,4	18,4
Other fabricated metal products	13,9	30,2	2,3	7,4	-6,2	4,6
General purpose machinery	16,2	39,1	31,4	-1,2	21,8	18,6
Special purpose machinery	7,1	31,1	10,3	-2,6	-13,9	12,9
Household appliances	21,3	16,2	11,3	6,5	3,3	0,2
Electrical machinery	12,6	17,6	0,5	6,1	0,8	6,6
Radio, television and communication apparatus and professional equipment	17,1	-2,4	-3,7	9,4	-3,8	-0,3
Radio, television and communication apparatus	8,3	-13,0	-22,6	-7,1	3,8	2,8
Professional equipment	25,0	7,1	15,7	28,5	-8,8	-2,7
Motor vehicles, parts and accessories and other transport equipment	79,4	53,9	49,3	53,3	55,1	27,1
Motor vehicles	114,8	60,3	62,1	62,6	70,4	24,7
Bodies for motor vehicles, trailers and semi-trailers	29,4	40,5	32,5	28,3	-5,9	23,3
Parts and accessories	54,5	53,4	38,6	54,8	45,0	34,4
Other transport equipment	25,3	25,5	24,2	18,8	19,4	21,0
Furniture and other manufacturing	9,1	1,3	0,9	-2,1	11,1	5,7
Furniture	-8,8	-14,3	-18,0	-20,3	7,6	4,4
Other manufacturing groups	13,4	4,8	5,6	1,7	11,8	6,0
Total	18,2	15,4	11,2	9,1	9,6	8,9

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

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

Manufacturing division and major group	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Month-on-month % change
Food and beverages	60 340	61 730	59 704	63 352	63 883	0,8
Meat, fish, fruit, etc.	18 358	19 635	18 106	19 520	19 422	-0,5
Dairy products	5 774	5 592	5 434	5 799	5 830	0,5
Grain mill products	10 851	10 849	10 411	11 381	11 844	4,1
Other food products	11 257	12 040	11 483	10 721	12 308	14,8
Beverages	14 101	13 615	14 271	15 931	14 478	-9,1
Textiles, clothing, leather and footwear	5 816	5 816	5 965	5 664	6 004	6,0
Textiles	759	778	794	758	748	-1,3
Other textile products	1 693	1 664	1 897	1 644	1 819	10,6
Knitted, crocheted articles	220	223	238	210	206	-1,9
Wearing apparel	1 826	1 796	1 737	1 755	1 863	6,2
Leather and leather products	520	573	493	449	516	14,9
Footwear	798	781	805	847	852	0,6
Wood and wood products, paper, publishing and printing	16 361	16 048	17 320	15 462	15 113	-2,3
Sawmilling and planing of wood	1 174	1 194	1 253	1 306	1 282	-1,8
Products of wood	2 144	2 184	2 139	2 317	2 220	-4,2
Paper and paper products	8 759	8 402	9 593	7 309	7 194	-1,6
Publishing	1 406	1 353	1 386	1 575	1 443	-8,4
Printing, recorded media	2 879	2 914	2 949	2 954	2 975	0,7
Petroleum, chemical products, rubber and plastic products	52 029	52 030	51 789	50 204	58 788	17,1
Coke, petroleum products and nuclear fuel	16 988	15 192	15 175	14 151	21 859	54,5
Basic chemicals	10 804	11 559	11 681	11 365	11 722	3,1
Other chemical products	14 096	14 856	14 510	14 477	15 156	4,7
Rubber products	1 696	1 869	2 176	1 940	1 851	-4,6
Plastic products	8 445	8 554	8 247	8 270	8 201	-0,8
Glass and non-metallic mineral products	8 258	8 189	8 799	8 320	8 216	-1,3
Glass and glass products	1 301	1 415	1 460	1 384	1 458	5,3
Non-metallic mineral products	6 957	6 775	7 339	6 936	6 758	-2,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	50 517	54 876	55 429	54 681	54 618	-0,1
Basic iron and steel products	10 681	11 682	13 603	12 789	12 694	-0,7
Non-ferrous metal products	14 799	17 322	17 107	17 081	15 409	-9,8
Structural metal products	4 218	4 331	4 647	4 384	4 352	-0,7
Other fabricated metal products	7 845	8 142	7 958	8 174	8 809	7,8
General purpose machinery	5 388	5 607	4 899	5 694	5 440	-4,5
Special purpose machinery	6 462	6 639	6 036	5 433	6 785	24,9
Household appliances	1 124	1 152	1 178	1 127	1 129	0,2
Electrical machinery	5 862	5 614	6 241	6 060	6 116	0,9
Radio, television and communication apparatus and professional equipment	2 412	2 417	2 569	2 487	2 507	0,8
Radio, television and communication apparatus	974	940	1 028	1 094	1 074	-1,8
Professional equipment	1 438	1 477	1 541	1 394	1 433	2,8
Motor vehicles, parts and accessories and other transport equipment	37 932	39 912	43 258	43 454	40 727	-6,3
Motor vehicles	22 531	24 055	26 536	27 396	24 521	-10,5
Bodies for motor vehicles, trailers and semi-trailers	1 586	1 529	1 545	1 240	1 508	21,6
Parts and accessories	10 633	10 803	12 026	11 613	11 407	-1,8
Other transport equipment	3 181	3 524	3 151	3 205	3 291	2,7
Furniture and other manufacturing	8 799	8 931	9 413	9 961	9 154	-8,1
Furniture	1 207	1 259	1 432	1 875	1 582	-15,6
Other manufacturing groups	7 592	7 671	7 981	8 087	7 573	-6,4
Total	248 328	255 563	260 487	259 645	265 125	2,1

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 64,4% for February 2023. The improved collection rate for January 2023 was 68,3%.</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 – February 2023

	Lower limit (R million)	Estimate (R million)	Upper limit (R million)	Relative standard error (RSE) %
Total sales	247 473	250 325	253 177	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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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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