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Production: results for November 2023

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

	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
Year-on-year % change, unadjusted	5,8	2,1	1,4	-4,2	2,3	1,9
Month-on-month % change, seasonally adjusted	1,1	-1,6	0,4	-0,5	-0,1	0,8
3-month % change, seasonally adjusted ¹	1,8	0,5	-0,5	-1,2	-0,7	-0,5

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

Manufacturing production increased by 1,9% in November 2023 compared with November 2022. The largest contributions were made by the following divisions:

- wood and wood products, paper, publishing and printing (8,0% and contributing 0,8 of a percentage point); and
- motor vehicles, parts and accessories and other transport equipment (5,7% and contributing 0,6 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 0,8% in November 2023 compared with October 2023. This followed month-on-month changes of -0,1% in October 2023 and -0,5% in September 2023 – see Table A.

Seasonally adjusted manufacturing production decreased by 0,5% in the three months ended November 2023 compared with the previous three months. Seven of the ten manufacturing divisions reported negative growth rates over this period.

The largest negative contributions were made by the following divisions:

- food and beverages (-2,0% and contributing -0,5 of a percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (-1,4% and contributing -0,3 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	Jun – Aug 2023	Sep – Nov 2023	% change between Jun – Aug 2023 and Sep – Nov 2023	Contribution (% points) to the total % change
Food and beverages	21,44	98,8	96,8	-2,0	-0,5
Meat, fish, fruit, etc.	3,42	109,7	106,8	-2,6	-0,1
Dairy products	1,47	98,5	95,6	-2,9	0,0
Grain mill products	1,85	102,4	101,1	-1,3	0,0
Other food products	7,81	87,2	88,4	1,4	0,1
Beverages	6,89	105,5	100,4	-4,8	-0,4
Textiles, clothing, leather and footwear	4,07	92,0	91,4	-0,7	0,0
Textiles	1,04	104,5	103,4	-1,1	0,0
Other textile products	0,58	89,7	90,5	0,9	0,0
Knitted, crocheted articles	0,06	90,2	93,6	3,8	0,0
Wearing apparel	1,88	85,7	84,7	-1,2	0,0
Leather and leather products	0,26	84,7	86,7	2,4	0,0
Footwear	0,25	100,8	97,9	-2,9	0,0
Wood and wood products, paper, publishing and printing	10,48	95,2	95,6	0,4	0,0
Sawmilling and planing of wood	0,86	99,4	93,3	-6,1	-0,1
Products of wood	0,90	112,9	118,7	5,1	0,1
Paper and paper products	5,26	94,1	96,6	2,7	0,1
Publishing	2,10	89,1	84,7	-4,9	-0,1
Printing, recorded media	1,36	94,3	95,1	0,8	0,0
Petroleum, chemical products, rubber and plastic products	24,86	77,7	77,4	-0,4	-0,1
Coke, petroleum products and nuclear fuel	11,92	59,3	59,7	0,7	0,1
Basic chemicals	3,39	98,8	102,5	3,7	0,1
Other chemical products	6,82	89,9	87,8	-2,3	-0,2
Rubber products	0,68	95,2	91,3	-4,1	0,0
Plastic products	2,05	103,2	99,8	-3,3	-0,1
Glass and non-metallic mineral products	3,10	100,5	102,9	2,4	0,1
Glass and glass products	0,48	99,4	101,4	2,0	0,0
Non-metallic mineral products	2,62	100,7	103,1	2,4	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,96	99,2	97,8	-1,4	-0,3
Basic iron and steel products	2,92	81,7	80,5	-1,5	0,0
Non-ferrous metal products	3,54	90,0	91,5	1,7	0,1
Structural metal products	2,01	100,6	102,4	1,8	0,0
Other fabricated metal products	3,65	107,4	99,8	-7,1	-0,3
General purpose machinery	3,45	105,3	101,8	-3,3	-0,1
Special purpose machinery	3,73	105,5	108,5	2,8	0,1
Household appliances	0,66	107,3	103,3	-3,7	0,0
Electrical machinery	2,14	109,0	103,8	-4,8	-0,1
Radio, television and communication apparatus and professional equipment	1,06	98,2	93,7	-4,6	-0,1
Radio, television and communication apparatus	0,03	93,1	91,8	-1,4	0,0
Professional equipment	1,03	98,7	93,9	-4,9	-0,1
Motor vehicles, parts and accessories and other transport equipment	8,72	106,2	109,4	3,0	0,3
Motor vehicles	2,62	104,0	109,6	5,4	0,2
Bodies for motor vehicles, trailers and semi-trailers	0,75	109,3	110,3	0,9	0,0
Parts and accessories	4,03	112,4	115,0	2,3	0,1
Other transport equipment	1,32	90,0	91,1	1,2	0,0
Furniture and other manufacturing	4,17	88,3	88,2	-0,1	0,0
Furniture	0,69	92,1	93,4	1,4	0,0
Other manufacturing groups	3,48	87,5	87,2	-0,3	0,0
Total	100	93,4	92,9	-0,5	-0,5

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

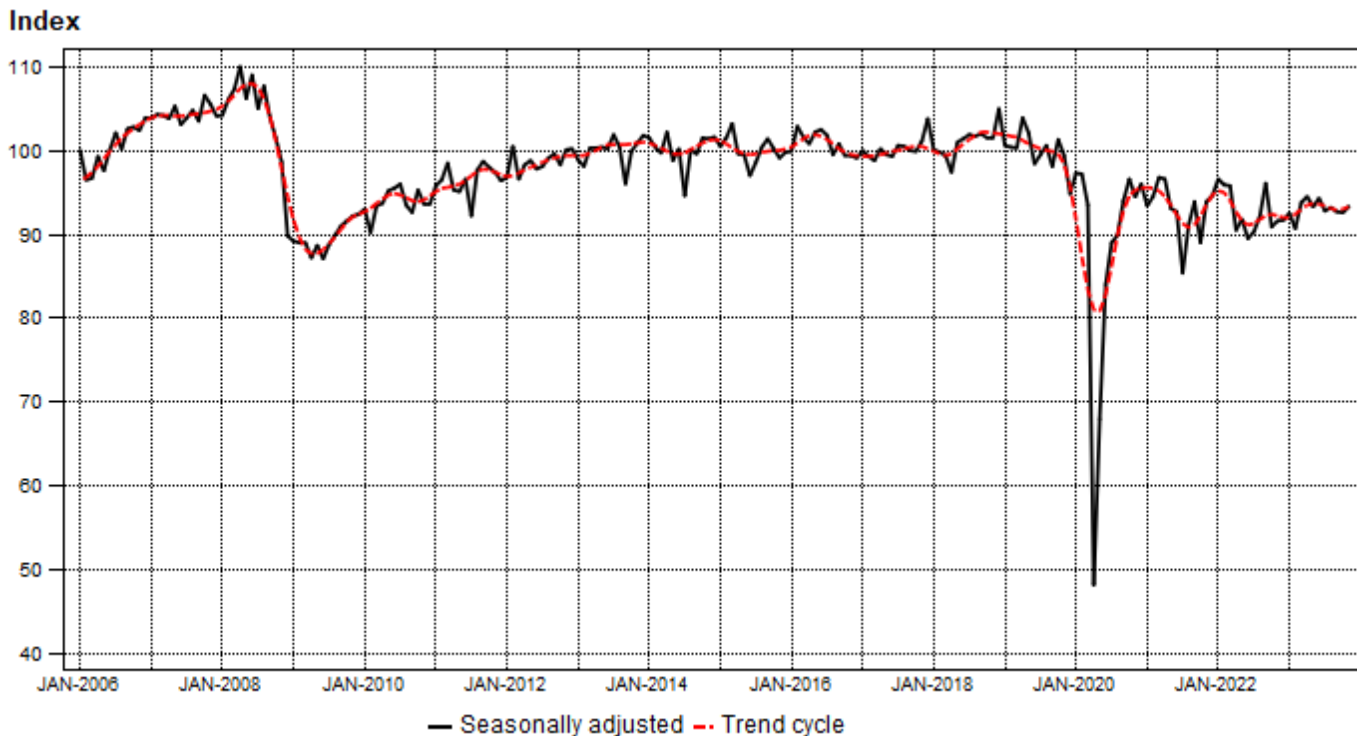
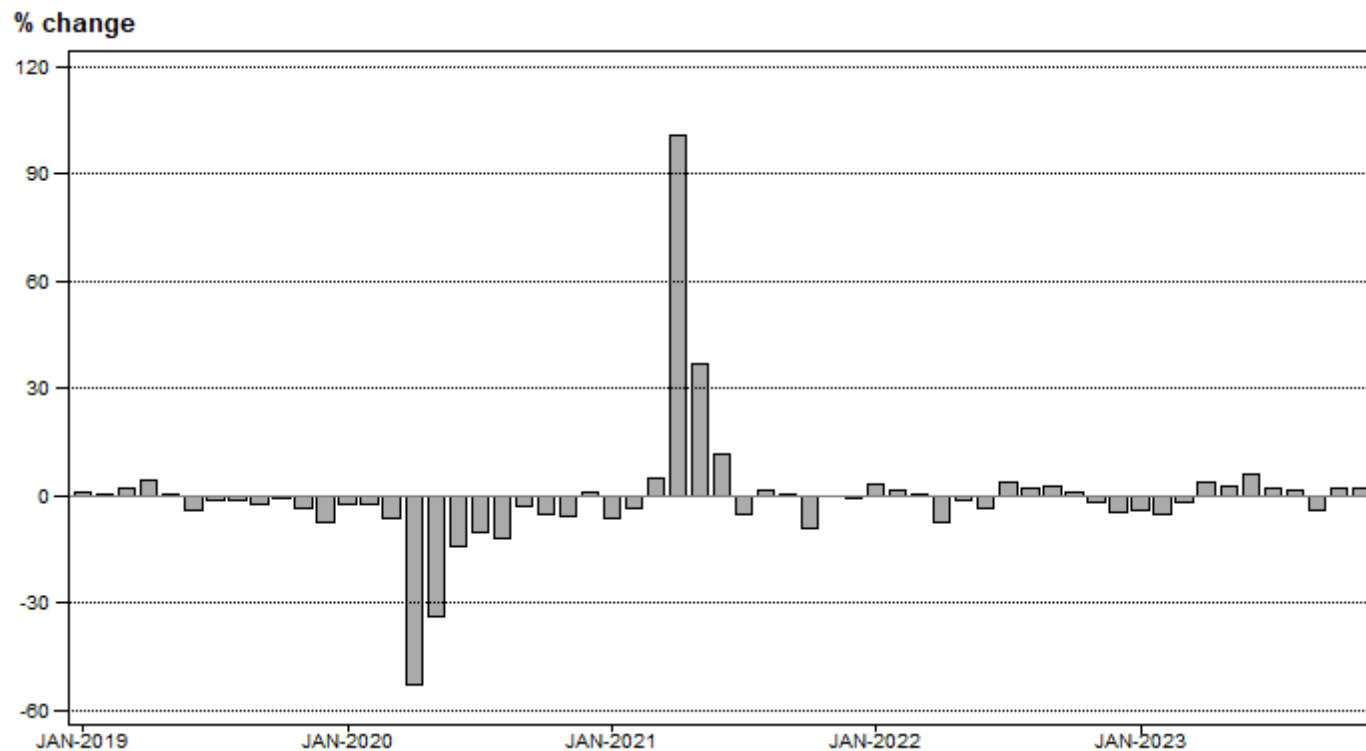


Figure 2 – Volume of manufacturing production (Base: 2019=100): year-on-year percentage change



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

	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
Year-on-year % change, unadjusted	8,9	9,2	11,4	6,2	11,7	8,7
Month-on-month % change, seasonally adjusted	-0,6	1,7	2,4	-0,1	-0,5	1,1
3-month % change, seasonally adjusted ¹	0,9	-1,5	-0,6	2,0	3,1	2,1

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

Seasonally adjusted manufacturing sales increased by 1,1% in November 2023 compared with October 2023. This followed month-on-month changes of -0,5% in October 2023 and -0,1% in September 2023 – see Table C.

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

Manufacturing division	Jun – Aug 2023 (R million)	Sep – Nov 2023 (R million)	% change between Jun – Aug 2023 and Sep – Nov 2023	Contribution (% points) to the total % change
Food and beverages	186 704	188 632	1,0	0,2
Textiles, clothing, leather and footwear	18 999	19 282	1,5	0,0
Wood and wood products, paper, publishing and printing	54 145	54 640	0,9	0,1
Petroleum, chemical products, rubber and plastic products	169 352	174 717	3,2	0,7
Glass and non-metallic mineral products	21 992	22 943	4,3	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	175 889	173 155	-1,6	-0,3
Electrical machinery	22 237	21 098	-5,1	-0,1
Radio, television and communication apparatus and professional equipment	7 265	7 474	2,9	0,0
Motor vehicles, parts and accessories and other transport equipment	131 467	142 741	8,6	1,4
Furniture and other manufacturing	31 869	32 293	1,3	0,1
Total	819 921	836 978	2,1	2,1

Seasonally adjusted manufacturing sales increased by 2,1% in the three months ended November 2023 compared with the previous three months.

The largest contributions were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (8,6% and contributing 1,4 percentage points); and
- petroleum, chemical products, rubber and plastic products (3,2% and contributing 0,7 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	85,7	80,3	82,8	79,5
Feb	94,3	94,5	94,9	92,4	89,3	90,9	86,0
Mar	101,5	98,9	101,2	94,5	98,9	99,1	97,5
Apr	90,5	91,9	95,8	45,3	91,1	84,5	87,6
May	100,1	101,8	102,0	67,2	92,0	91,0	93,3
Jun	101,5	101,9	97,8	84,1	93,7	90,3	95,5
Jul	100,6	103,2	101,8	91,4	86,8	90,2	92,1
Aug	105,0	106,6	105,2	92,9	94,3	96,2	97,5
Sep	105,4	104,9	102,6	99,4	99,8	102,6	98,3
Oct	109,8	113,4	112,7	106,8	97,2	98,2	100,5
Nov	114,0	115,3	111,0	104,7	104,7	102,5	104,4
Dec	93,2	93,7	86,8	87,6	87,0	82,9	
Total	100,1	101,1	100,0	87,7	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	-2,6	-6,3	3,1	-4,0	-4,0
Feb	0,2	0,4	-2,6	-3,4	1,8	-5,4	-4,7
Mar	-2,6	2,3	-6,6	4,7	0,2	-1,6	-3,5
Apr	1,5	4,2	-52,7	101,1	-7,2	3,7	-1,8
May	1,7	0,2	-34,1	36,9	-1,1	2,5	-1,0
Jun	0,4	-4,0	-14,0	11,4	-3,6	5,8	0,1
Jul	2,6	-1,4	-10,2	-5,0	3,9	2,1	0,4
Aug	1,5	-1,3	-11,7	1,5	2,0	1,4	0,6
Sep	-0,5	-2,2	-3,1	0,4	2,8	-4,2	-0,1
Oct	3,3	-0,6	-5,2	-9,0	1,0	2,3	0,2
Nov	1,1	-3,7	-5,7	0,0	-2,1	1,9	0,3
Dec	0,5	-7,4	0,9	-0,7	-4,7		
Total	1,0	-1,1	-12,3	5,9	-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	97,3	93,4	96,6	92,5	2,6	-2,7	2,1	0,9
Feb	97,2	94,5	95,9	90,7	-0,1	1,2	-0,7	-1,9
Mar	93,5	96,8	95,8	93,8	-3,8	2,4	-0,1	3,4
Apr	48,2	96,6	90,5	94,5	-48,4	-0,2	-5,5	0,7
May	68,0	93,1	91,8	93,3	41,1	-3,6	1,4	-1,3
Jun	84,0	92,7	89,5	94,3	23,5	-0,4	-2,5	1,1
Jul	89,0	85,4	90,3	92,8	6,0	-7,9	0,9	-1,6
Aug	89,9	91,1	92,1	93,2	1,0	6,7	2,0	0,4
Sep	94,0	93,9	96,1	92,7	4,6	3,1	4,3	-0,5
Oct	96,6	89,0	90,9	92,6	2,8	-5,2	-5,4	-0,1
Nov	94,5	93,9	91,6	93,3	-2,2	5,5	0,8	0,8
Dec	96,0	94,6	91,7		1,6	0,7	0,1	

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

Manufacturing division and major group	Weight	Jun-23	Jul-23	Aug-23	¹ Sep-23	¹ Oct-23	¹ Nov-23
Food and beverages	21,44	102,0	90,6	98,7	106,0	100,4	108,9
Meat, fish, fruit, etc.	3,42	110,5	105,4	109,8	110,7	109,2	112,6
Dairy products	1,47	96,6	86,6	95,9	101,3	109,9	106,5
Grain mill products	1,85	103,6	104,2	104,1	105,3	106,0	105,8
Other food products	7,81	105,5	84,1	93,0	92,0	90,3	103,1
Beverages	6,89	94,5	87,7	98,7	120,8	104,1	114,9
Textiles, clothing, leather and footwear	4,07	92,9	95,3	92,7	95,5	107,9	112,3
Textiles	1,04	114,3	106,1	106,4	105,8	115,3	123,9
Other textile products	0,58	91,2	87,9	84,0	100,6	105,9	110,1
Knitted, crocheted articles	0,06	80,2	91,1	112,0	114,5	105,2	107,5
Wearing apparel	1,88	82,3	90,3	86,0	87,5	106,0	106,5
Leather and leather products	0,26	81,3	90,2	77,7	83,8	94,4	106,4
Footwear	0,25	102,2	111,4	116,7	108,0	110,5	120,9
Wood and wood products, paper, publishing and printing	10,48	91,9	94,7	104,7	108,0	105,1	111,9
Sawmilling and planing of wood	0,86	103,9	105,2	111,2	97,5	97,6	98,7
Products of wood	0,90	101,8	120,1	128,3	133,0	138,3	136,8
Paper and paper products	5,26	94,0	93,2	96,5	107,4	102,3	109,8
Publishing	2,10	80,1	84,4	114,0	102,7	98,7	96,8
Printing, recorded media	1,36	87,7	93,0	102,1	108,4	108,2	135,3
Petroleum, chemical products, rubber and plastic products	24,86	77,7	78,3	80,4	80,1	84,1	82,2
Coke, petroleum products and nuclear fuel	11,92	55,9	62,3	58,6	55,9	67,4	62,1
Basic chemicals	3,39	103,9	94,6	106,1	110,2	101,9	111,3
Other chemical products	6,82	94,3	87,9	94,0	98,7	91,4	91,0
Rubber products	0,68	97,5	103,4	102,2	94,4	101,5	100,0
Plastic products	2,05	98,8	104,0	111,5	104,8	121,8	116,0
Glass and non-metallic mineral products	3,10	99,4	104,8	106,1	107,8	117,8	121,3
Glass and glass products	0,48	99,9	99,6	95,7	110,3	110,9	112,4
Non-metallic mineral products	2,62	99,3	105,7	108,0	107,3	119,0	122,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,96	104,4	95,0	107,0	102,1	104,5	106,9
Basic iron and steel products	2,92	77,8	76,4	81,5	79,7	87,5	79,7
Non-ferrous metal products	3,54	92,3	82,8	94,0	88,4	98,3	97,6
Structural metal products	2,01	101,1	101,2	118,4	110,7	114,6	120,3
Other fabricated metal products	3,65	112,9	108,6	113,4	104,4	110,4	118,4
General purpose machinery	3,45	120,3	100,3	116,7	116,0	104,0	110,9
Special purpose machinery	3,73	114,8	97,0	117,9	110,9	113,2	114,5
Household appliances	0,66	108,6	108,4	108,6	114,3	102,0	107,6
Electrical machinery	2,14	113,4	111,9	112,0	107,3	113,1	116,4
Radio, television and communication apparatus and professional equipment	1,06	100,2	101,5	94,3	92,2	103,7	106,8
Radio, television and communication apparatus	0,03	86,9	78,6	94,2	100,8	114,7	118,6
Professional equipment	1,03	101,3	103,4	94,3	91,5	102,8	105,8
Motor vehicles, parts and accessories and other transport equipment	8,72	110,5	112,3	114,0	108,9	122,3	130,1
Motor vehicles	2,62	104,7	115,7	115,8	113,4	129,4	130,1
Bodies for motor vehicles, trailers and semi-trailers	0,75	125,6	114,1	119,3	117,8	128,3	125,7
Parts and accessories	4,03	118,0	120,4	121,6	108,5	124,3	136,2
Other transport equipment	1,32	90,2	79,4	84,4	96,2	98,8	114,2
Furniture and other manufacturing	4,17	92,2	95,4	88,0	94,9	95,3	101,1
Furniture	0,69	93,3	89,7	94,5	107,9	109,4	115,2
Other manufacturing groups	3,48	91,9	96,4	86,7	92,3	92,5	98,2
Total	100	95,5	92,1	97,5	98,3	100,5	104,4

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	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
Food and beverages	6,3	-3,8	-2,9	-10,1	-4,3	0,7
Meat, fish, fruit, etc.	12,5	4,2	4,8	1,5	3,6	-4,7
Dairy products	22,1	-2,9	3,1	-2,0	-0,1	-3,7
Grain mill products	2,9	7,0	-0,4	5,7	1,2	-0,7
Other food products	15,3	-9,5	-6,4	-18,7	-9,2	4,2
Beverages	-7,7	-5,2	-5,1	-11,0	-5,2	1,2
Textiles, clothing, leather and footwear	7,0	0,7	-2,3	-4,9	0,6	0,2
Textiles	2,2	-7,0	-5,4	-3,4	4,7	4,6
Other textile products	5,6	-2,2	-9,2	-2,9	-5,2	-2,6
Knitted, crocheted articles	-6,2	2,9	16,1	9,5	0,2	4,8
Wearing apparel	17,4	8,1	4,5	-5,2	1,7	-0,7
Leather and leather products	-15,9	-4,2	-21,2	-18,8	-3,3	0,1
Footwear	2,8	1,3	-1,6	-4,1	-7,0	-6,6
Wood and wood products, paper, publishing and printing	0,4	6,9	1,7	-2,5	3,4	8,0
Sawmilling and planing of wood	13,2	14,2	-0,4	-7,7	1,2	-4,1
Products of wood	6,2	11,9	21,8	16,3	14,6	13,2
Paper and paper products	-4,8	4,6	-2,2	-5,6	0,2	9,7
Publishing	14,9	13,1	6,8	-3,5	6,7	8,5
Printing, recorded media	-6,9	-0,9	-3,6	1,2	3,9	5,2
Petroleum, chemical products, rubber and plastic products	2,2	7,3	7,6	6,4	8,1	-0,6
Coke, petroleum products and nuclear fuel	20,5	38,8	16,3	21,5	25,7	17,8
Basic chemicals	-8,8	-13,2	-0,4	3,7	1,0	3,1
Other chemical products	-5,9	-5,2	4,9	1,6	-4,7	-15,8
Rubber products	0,1	6,9	11,3	-9,1	-2,4	-3,2
Plastic products	0,9	0,5	3,7	-6,4	9,8	-6,1
Glass and non-metallic mineral products	-4,1	1,8	-3,5	-5,7	-1,7	3,0
Glass and glass products	0,9	0,2	-16,1	-2,5	-2,0	-5,8
Non-metallic mineral products	-5,1	2,1	-1,0	-6,3	-1,7	4,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	7,1	-1,9	3,2	1,4	2,6	0,6
Basic iron and steel products	3,7	-14,2	-1,3	-6,1	-0,7	-3,9
Non-ferrous metal products	11,5	0,4	-3,7	-0,9	3,6	2,7
Structural metal products	-1,4	8,5	8,5	-5,6	7,6	3,6
Other fabricated metal products	13,9	6,7	1,3	-4,6	6,0	3,7
General purpose machinery	3,7	-11,0	0,5	-1,5	-8,6	-9,2
Special purpose machinery	7,5	-0,9	13,9	23,1	9,4	7,3
Household appliances	7,3	7,8	3,8	9,1	0,8	-2,6
Electrical machinery	16,9	14,8	14,2	4,9	8,4	6,7
Radio, television and communication apparatus and professional equipment	-3,8	3,5	-11,7	-13,3	-2,9	-10,8
Radio, television and communication apparatus	3,6	19,6	0,4	0,5	-0,3	3,8
Professional equipment	-4,3	2,7	-12,6	-14,4	-3,1	-11,9
Motor vehicles, parts and accessories and other transport equipment	18,9	9,1	-1,2	-19,7	6,0	5,7
Motor vehicles	36,7	36,1	-0,6	-16,7	34,1	16,9
Bodies for motor vehicles, trailers and semi-trailers	-11,9	-11,4	-1,1	-7,4	-2,0	-6,5
Parts and accessories	23,9	3,2	-1,5	-25,2	-2,7	5,8
Other transport equipment	-0,3	-3,1	-1,6	-12,7	-6,8	-7,2
Furniture and other manufacturing	3,5	-3,5	-2,8	-3,0	1,8	0,9
Furniture	3,2	7,2	7,9	15,0	13,0	0,1
Other manufacturing groups	3,4	-5,4	-4,8	-6,4	-0,4	1,0
Total	5,8	2,1	1,4	-4,2	2,3	1,9

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	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
Food and beverages	21,44	1,4	-0,9	-0,7	-2,5	-1,0	0,2
Meat, fish, fruit, etc.	3,42	0,5	0,2	0,2	0,1	0,1	-0,2
Dairy products	1,47	0,3	0,0	0,0	0,0	0,0	-0,1
Grain mill products	1,85	0,1	0,1	0,0	0,1	0,0	0,0
Other food products	7,81	1,2	-0,8	-0,5	-1,6	-0,7	0,3
Beverages	6,89	-0,6	-0,4	-0,4	-1,0	-0,4	0,1
Textiles, clothing, leather and footwear	4,07	0,3	0,0	-0,1	-0,2	0,0	0,0
Textiles	1,04	0,0	-0,1	-0,1	0,0	0,1	0,1
Other textile products	0,58	0,0	0,0	-0,1	0,0	0,0	0,0
Knitted, crocheted articles	0,06	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	1,88	0,3	0,1	0,1	-0,1	0,0	0,0
Leather and leather products	0,26	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	10,48	0,0	0,7	0,2	-0,3	0,4	0,8
Sawmilling and planing of wood	0,86	0,1	0,1	0,0	-0,1	0,0	0,0
Products of wood	0,90	0,1	0,1	0,2	0,2	0,2	0,1
Paper and paper products	5,26	-0,3	0,2	-0,1	-0,3	0,0	0,5
Publishing	2,10	0,2	0,2	0,2	-0,1	0,1	0,2
Printing, recorded media	1,36	-0,1	0,0	-0,1	0,0	0,1	0,1
Petroleum, chemical products, rubber and plastic products	24,86	0,5	1,5	1,5	1,2	1,6	-0,1
Coke, petroleum products and nuclear fuel	11,92	1,3	2,3	1,0	1,2	1,7	1,1
Basic chemicals	3,39	-0,4	-0,5	0,0	0,1	0,0	0,1
Other chemical products	6,82	-0,4	-0,4	0,3	0,1	-0,3	-1,1
Rubber products	0,68	0,0	0,1	0,1	-0,1	0,0	0,0
Plastic products	2,05	0,0	0,0	0,1	-0,1	0,2	-0,2
Glass and non-metallic mineral products	3,10	-0,1	0,1	-0,1	-0,2	-0,1	0,1
Glass and glass products	0,48	0,0	0,0	-0,1	0,0	0,0	0,0
Non-metallic mineral products	2,62	-0,2	0,1	0,0	-0,2	-0,1	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,96	1,5	-0,4	0,7	0,3	0,5	0,1
Basic iron and steel products	2,92	0,1	-0,4	0,0	-0,1	0,0	-0,1
Non-ferrous metal products	3,54	0,4	0,0	-0,1	0,0	0,1	0,1
Structural metal products	2,01	0,0	0,2	0,2	-0,1	0,2	0,1
Other fabricated metal products	3,65	0,6	0,3	0,1	-0,2	0,2	0,1
General purpose machinery	3,45	0,2	-0,5	0,0	-0,1	-0,3	-0,4
Special purpose machinery	3,73	0,3	0,0	0,6	0,8	0,4	0,3
Household appliances	0,66	0,1	0,1	0,0	0,1	0,0	0,0
Electrical machinery	2,14	0,4	0,3	0,3	0,1	0,2	0,2
Radio, television and communication apparatus and professional equipment	1,06	0,0	0,0	-0,1	-0,1	0,0	-0,1
Radio, television and communication apparatus	0,03	0,0	0,0	0,0	0,0	0,0	0,0
Professional equipment	1,03	-0,1	0,0	-0,1	-0,2	0,0	-0,1
Motor vehicles, parts and accessories and other transport equipment	8,72	1,7	0,9	-0,1	-2,3	0,6	0,6
Motor vehicles	2,62	0,8	0,9	0,0	-0,6	0,9	0,5
Bodies for motor vehicles, trailers and semi-trailers	0,75	-0,1	-0,1	0,0	-0,1	0,0	-0,1
Parts and accessories	4,03	1,0	0,2	-0,1	-1,4	-0,1	0,3
Other transport equipment	1,32	0,0	0,0	0,0	-0,2	-0,1	-0,1
Furniture and other manufacturing	4,17	0,1	-0,2	-0,1	-0,1	0,1	0,0
Furniture	0,69	0,0	0,0	0,0	0,1	0,1	0,0
Other manufacturing groups	3,48	0,1	-0,2	-0,2	-0,2	0,0	0,0
Total	100	5,8	2,1	1,4	-4,2	2,3	1,9

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	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Month-on-month % change
Food and beverages	21,44	97,7	96,4	97,9	93,9	98,5	4,9
Meat, fish, fruit, etc.	3,42	109,6	109,6	108,8	106,7	104,8	-1,8
Dairy products	1,47	93,3	96,8	95,8	96,0	95,1	-0,9
Grain mill products	1,85	103,2	101,0	104,0	101,2	98,1	-3,1
Other food products	7,81	84,8	83,5	85,3	85,6	94,4	10,3
Beverages	6,89	106,0	103,0	105,8	94,5	100,9	6,8
Textiles, clothing, leather and footwear	4,07	91,6	90,7	90,3	91,1	92,8	1,9
Textiles	1,04	101,2	103,8	100,6	103,0	106,7	3,6
Other textile products	0,58	92,0	86,8	92,4	88,6	90,5	2,1
Knitted, crocheted articles	0,06	91,7	95,9	97,0	90,8	93,1	2,5
Wearing apparel	1,88	85,1	84,5	83,7	85,6	84,9	-0,8
Leather and leather products	0,26	89,9	80,8	80,4	83,7	96,0	14,7
Footwear	0,25	101,0	100,6	100,4	96,7	96,6	-0,1
Wood and wood products, paper, publishing and printing	10,48	96,6	96,7	94,7	96,0	96,2	0,2
Sawmilling and planing of wood	0,86	99,7	100,4	93,1	93,9	92,8	-1,2
Products of wood	0,90	114,7	119,5	119,5	117,9	118,8	0,8
Paper and paper products	5,26	96,5	94,2	94,2	97,6	98,0	0,4
Publishing	2,10	88,5	92,6	84,6	85,7	83,7	-2,3
Printing, recorded media	1,36	95,0	95,1	96,8	92,6	95,9	3,6
Petroleum, chemical products, rubber and plastic products	24,86	77,8	77,2	78,6	77,8	75,9	-2,4
Coke, petroleum products and nuclear fuel	11,92	60,7	57,1	58,3	61,1	59,7	-2,3
Basic chemicals	3,39	95,7	101,8	104,2	99,9	103,4	3,5
Other chemical products	6,82	89,7	89,6	94,6	86,5	82,2	-5,0
Rubber products	0,68	96,0	98,0	90,5	91,4	92,1	0,8
Plastic products	2,05	102,8	105,4	97,2	104,6	97,7	-6,6
Glass and non-metallic mineral products	3,10	102,4	100,3	100,6	102,8	105,4	2,5
Glass and glass products	0,48	101,9	91,0	104,0	101,3	99,0	-2,3
Non-metallic mineral products	2,62	102,4	102,0	99,9	103,0	106,5	3,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,96	95,3	101,8	97,8	97,9	97,8	-0,1
Basic iron and steel products	2,92	79,8	83,7	79,8	82,0	79,8	-2,7
Non-ferrous metal products	3,54	88,6	90,6	89,2	92,5	92,8	0,3
Structural metal products	2,01	99,2	106,9	100,5	103,8	102,8	-1,0
Other fabricated metal products	3,65	104,6	107,5	98,1	100,0	101,2	1,2
General purpose machinery	3,45	98,6	107,8	105,8	99,3	100,2	0,9
Special purpose machinery	3,73	96,9	112,2	109,3	108,4	107,9	-0,5
Household appliances	0,66	108,8	106,1	109,2	101,5	99,2	-2,3
Electrical machinery	2,14	112,5	107,3	102,3	104,1	105,1	1,0
Radio, television and communication apparatus and professional equipment	1,06	101,3	95,2	91,8	96,0	93,3	-2,8
Radio, television and communication apparatus	0,03	92,4	93,0	91,8	91,2	92,5	1,4
Professional equipment	1,03	102,1	95,4	91,8	96,4	93,4	-3,1
Motor vehicles, parts and accessories and other transport equipment	8,72	106,0	105,3	104,5	111,4	112,2	0,7
Motor vehicles	2,62	106,9	100,3	104,0	113,8	111,0	-2,5
Bodies for motor vehicles, trailers and semi-trailers	0,75	106,3	112,9	109,1	114,1	107,6	-5,7
Parts and accessories	4,03	111,2	112,5	109,3	115,8	120,0	3,6
Other transport equipment	1,32	87,9	89,3	87,9	92,0	93,3	1,4
Furniture and other manufacturing	4,17	89,5	85,6	88,5	88,4	87,8	-0,7
Furniture	0,69	93,5	90,5	95,6	94,1	90,4	-3,9
Other manufacturing groups	3,48	88,7	84,6	87,1	87,3	87,3	0,0
Total	100	92,8	93,2	92,7	92,6	93,3	0,8

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

Month	2017	2018	2019	2020	2021	2022	2023 ¹
Jan	161 326	168 405	184 367	183 792	180 331	204 747	224 556
Feb	176 230	187 805	199 110	203 921	208 150	231 366	251 334
Mar	197 373	199 906	217 518	203 878	240 394	261 866	293 633
Apr	171 351	179 170	206 463	98 652	217 839	225 651	254 968
May	194 792	208 652	216 544	146 780	223 726	251 557	272 232
Jun	198 191	208 167	216 629	179 335	230 146	253 134	275 647
Jul	189 719	211 387	220 618	193 289	199 186	247 382	270 077
Aug	201 775	218 759	229 429	199 602	221 163	258 747	288 300
Sep	203 735	222 257	220 821	214 935	233 199	275 555	292 635
Oct	213 493	240 466	240 720	235 300	231 408	267 185	298 558
Nov	231 283	244 716	238 778	239 432	259 583	288 469	313 464
Dec	188 321	197 482	191 072	197 868	218 714	238 243	
Total	2 327 589	2 487 172	2 582 069	2 296 784	2 663 839	3 003 902	

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	9,5	-0,3	-1,9	13,5	9,7	9,7
Feb	6,6	6,0	2,4	2,1	11,2	8,6	9,1
Mar	1,3	8,8	-6,3	17,9	8,9	12,1	10,3
Apr	4,6	15,2	-52,2	120,8	3,6	13,0	10,9
May	7,1	3,8	-32,2	52,4	12,4	8,2	10,3
Jun	5,0	4,1	-17,2	28,3	10,0	8,9	10,1
Jul	11,4	4,4	-12,4	3,1	24,2	9,2	10,0
Aug	8,4	4,9	-13,0	10,8	17,0	11,4	10,1
Sep	9,1	-0,6	-2,7	8,5	18,2	6,2	9,7
Oct	12,6	0,1	-2,3	-1,7	15,5	11,7	9,9
Nov	5,8	-2,4	0,3	8,4	11,1	8,7	9,8
Dec	4,9	-3,2	3,6	10,5	8,9		
Total	6,9	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	212 469	212 418	242 240	262 195	2,9	-0,8	3,3	0,0
Feb	216 560	221 246	246 917	267 936	1,9	4,2	1,9	2,2
Mar	198 775	230 825	249 686	277 555	-8,2	4,3	1,1	3,6
Apr	105 228	230 353	240 715	277 236	-47,1	-0,2	-3,6	-0,1
May	147 383	226 538	251 051	269 728	40,1	-1,7	4,3	-2,7
Jun	175 670	225 193	248 175	268 008	19,2	-0,6	-1,1	-0,6
Jul	189 056	198 063	248 114	272 696	7,6	-12,0	0,0	1,7
Aug	197 083	216 592	250 780	279 217	4,2	9,4	1,1	2,4
Sep	205 198	222 450	260 372	278 983	4,1	2,7	3,8	-0,1
Oct	214 223	214 913	250 890	277 476	4,4	-3,4	-3,6	-0,5
Nov	214 580	230 607	256 368	280 519	0,2	7,3	2,2	1,1
Dec	214 220	234 586	262 129		-0,2	1,7	2,2	

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

Manufacturing division and major group	Jun-23	Jul-23	Aug-23	¹ Sep-23	¹ Oct-23	¹ Nov-23
Food and beverages	60 190	59 457	63 079	65 953	66 187	70 879
Meat, fish, fruit, etc.	19 227	18 968	19 472	19 827	20 778	21 385
Dairy products	5 711	5 544	5 882	5 936	6 426	6 346
Grain mill products	12 222	11 832	11 768	11 655	11 863	11 933
Other food products	8 967	9 919	11 185	10 344	11 942	13 543
Beverages	14 064	13 194	14 771	18 190	15 178	17 672
Textiles, clothing, leather and footwear	6 255	6 476	6 542	6 913	7 548	7 974
Textiles	1 012	950	1 041	1 051	1 119	1 120
Other textile products	1 822	1 751	1 752	2 141	2 223	2 323
Knitted, crocheted articles	204	238	283	289	266	277
Wearing apparel	1 865	2 069	1 956	1 978	2 400	2 560
Leather and leather products	523	540	516	549	615	678
Footwear	828	927	994	905	924	1 015
Wood and wood products, paper, publishing and printing	17 815	17 985	19 193	20 130	19 753	22 158
Sawmilling and planing of wood	1 505	1 533	1 647	1 587	1 414	1 522
Products of wood	2 140	2 394	2 420	2 523	2 561	2 556
Paper and paper products	9 492	9 274	9 223	10 295	9 854	11 211
Publishing	1 759	1 833	2 504	2 227	2 163	2 224
Printing, recorded media	2 920	2 951	3 399	3 498	3 763	4 644
Petroleum, chemical products, rubber and plastic products	57 121	52 752	62 513	64 507	60 538	63 896
Coke, petroleum products and nuclear fuel	20 572	18 007	23 194	23 362	24 208	23 854
Basic chemicals	11 218	9 555	12 611	12 911	9 761	12 156
Other chemical products	15 408	14 570	15 671	18 036	14 427	15 371
Rubber products	2 003	2 174	2 264	1 987	2 090	2 310
Plastic products	7 920	8 446	8 773	8 211	10 052	10 206
Glass and non-metallic mineral products	7 289	7 601	7 977	7 879	8 732	9 379
Glass and glass products	1 411	1 358	1 512	1 505	1 795	1 953
Non-metallic mineral products	5 878	6 243	6 465	6 374	6 937	7 426
Basic iron and steel, non-ferrous metal products, metal products and machinery	62 417	57 599	61 341	59 051	61 173	62 569
Basic iron and steel products	14 995	13 565	14 283	12 297	13 733	13 285
Non-ferrous metal products	15 805	14 354	14 171	15 629	16 051	16 433
Structural metal products	4 313	4 358	5 013	4 516	4 990	5 223
Other fabricated metal products	10 294	9 565	10 272	9 100	9 995	10 658
General purpose machinery	6 581	5 582	6 549	6 501	5 848	6 256
Special purpose machinery	8 960	8 739	9 574	9 483	9 201	9 300
Household appliances	1 468	1 436	1 479	1 524	1 356	1 414
Electrical machinery	7 616	7 898	7 114	7 468	7 610	7 815
Radio, television and communication apparatus and professional equipment	2 362	2 228	2 419	2 578	2 887	2 988
Radio, television and communication apparatus	966	1 050	1 183	1 317	1 488	1 529
Professional equipment	1 396	1 178	1 236	1 261	1 400	1 459
Motor vehicles, parts and accessories and other transport equipment	43 903	47 035	47 548	47 031	52 545	53 737
Motor vehicles	26 696	29 673	28 431	28 842	33 082	32 688
Bodies for motor vehicles, trailers and semi-trailers	2 003	1 792	1 947	1 923	1 956	2 140
Parts and accessories	12 350	13 052	14 469	13 138	14 260	15 178
Other transport equipment	2 854	2 518	2 701	3 128	3 247	3 732
Furniture and other manufacturing	10 678	11 046	10 572	11 125	11 583	12 069
Furniture	1 671	1 635	1 753	1 946	1 985	2 070
Other manufacturing groups	9 007	9 411	8 820	9 179	9 598	9 999
Total	275 647	270 077	288 300	292 635	298 558	313 464

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	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
Food and beverages	4,1	5,0	2,0	-0,7	2,4	1,4
Meat, fish, fruit, etc.	8,4	9,7	5,8	3,1	9,5	-1,4
Dairy products	29,2	17,6	13,4	6,4	2,2	1,8
Grain mill products	16,2	10,9	8,6	5,9	2,3	-0,7
Other food products	-13,6	-6,5	-9,8	-10,7	-2,5	1,2
Beverages	-4,8	-1,2	-1,6	-4,4	-2,4	6,4
Textiles, clothing, leather and footwear	19,2	12,2	8,2	6,6	7,8	7,2
Textiles	22,2	14,5	18,0	13,4	17,9	12,6
Other textile products	16,6	5,9	2,8	12,0	5,8	9,2
Knitted, crocheted articles	-1,4	13,9	22,0	9,1	9,5	12,6
Wearing apparel	28,6	25,2	7,6	2,7	6,9	3,4
Leather and leather products	5,4	-10,6	-2,3	-10,7	4,6	7,1
Footwear	17,6	12,5	12,7	8,1	5,5	5,8
Wood and wood products, paper, publishing and printing	14,0	18,3	11,6	1,6	10,8	16,4
Sawmilling and planing of wood	29,7	9,7	14,1	16,7	6,6	8,1
Products of wood	12,0	14,7	13,0	12,4	11,3	6,6
Paper and paper products	14,6	25,2	9,9	-3,8	11,1	22,1
Publishing	33,2	33,4	28,0	1,0	13,4	16,9
Printing, recorded media	-1,1	0,5	4,4	6,2	9,5	12,1
Petroleum, chemical products, rubber and plastic products	3,5	9,9	20,8	18,1	9,2	8,7
Coke, petroleum products and nuclear fuel	12,8	36,9	59,2	51,3	38,0	49,6
Basic chemicals	0,2	-13,6	9,0	7,1	-13,5	-7,0
Other chemical products	0,5	9,0	8,8	16,6	-2,4	-10,5
Rubber products	4,3	25,7	21,4	0,5	9,0	9,1
Plastic products	-6,9	-2,7	-6,4	-15,0	1,4	-2,6
Glass and non-metallic mineral products	1,6	6,2	3,7	-1,7	5,2	11,6
Glass and glass products	2,7	3,5	-7,1	-7,9	10,3	8,4
Non-metallic mineral products	1,3	6,8	6,5	-0,2	4,0	12,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	-1,8	-0,1	5,1	0,4	12,2	1,8
Basic iron and steel products	-12,6	-2,1	4,4	-7,6	22,8	5,9
Non-ferrous metal products	-16,8	-18,3	-14,1	-7,5	2,7	-12,7
Structural metal products	-0,4	16,7	15,5	-3,8	16,2	9,6
Other fabricated metal products	13,4	10,7	9,5	-5,2	12,4	8,1
General purpose machinery	18,7	0,5	12,7	7,1	-1,3	-1,0
Special purpose machinery	25,5	24,6	30,0	37,3	25,6	20,2
Household appliances	12,1	14,3	14,3	13,5	5,6	0,4
Electrical machinery	29,5	30,9	16,9	13,3	17,1	16,8
Radio, television and communication apparatus and professional equipment	2,8	-2,6	-2,0	-2,5	17,3	10,6
Radio, television and communication apparatus	2,4	7,6	8,6	7,7	34,2	30,5
Professional equipment	3,1	-10,2	-10,4	-11,3	3,6	-4,6
Motor vehicles, parts and accessories and other transport equipment	38,9	21,0	24,9	11,3	28,9	22,7
Motor vehicles	46,7	17,6	22,2	15,5	34,0	28,2
Bodies for motor vehicles, trailers and semi-trailers	-3,1	-3,5	7,5	1,6	-1,0	5,7
Parts and accessories	43,4	40,9	39,9	9,6	31,9	22,1
Other transport equipment	4,4	-0,5	2,5	-8,3	-1,4	-2,9
Furniture and other manufacturing	22,5	12,7	14,6	12,3	19,6	17,7
Furniture	16,6	18,7	23,5	26,5	34,9	28,3
Other manufacturing groups	23,7	11,8	13,0	9,7	16,8	15,8
Total	8,9	9,2	11,4	6,2	11,7	8,7

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

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

Manufacturing division and major group	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Month-on-month % change
Food and beverages	63 058	61 915	63 057	62 362	63 213	1,4
Meat, fish, fruit, etc.	19 564	19 152	19 282	19 679	19 522	-0,8
Dairy products	5 925	5 847	5 771	5 759	5 743	-0,3
Grain mill products	11 743	11 544	11 584	10 999	10 815	-1,7
Other food products	10 098	10 080	10 547	10 862	11 742	8,1
Beverages	15 727	15 292	15 872	15 063	15 392	2,2
Textiles, clothing, leather and footwear	6 369	6 307	6 396	6 424	6 462	0,6
Textiles	968	995	979	975	977	0,2
Other textile products	1 824	1 817	1 945	1 870	1 897	1,4
Knitted, crocheted articles	235	248	245	235	241	2,6
Wearing apparel	1 980	1 856	1 880	1 985	1 941	-2,2
Leather and leather products	509	544	512	557	592	6,3
Footwear	852	849	835	802	814	1,5
Wood and wood products, paper, publishing and printing	18 490	18 035	17 649	18 309	18 682	2,0
Sawmilling and planing of wood	1 418	1 476	1 494	1 385	1 445	4,3
Products of wood	2 284	2 228	2 273	2 234	2 228	-0,3
Paper and paper products	9 741	9 083	8 890	9 634	9 890	2,7
Publishing	2 019	2 078	1 799	1 837	1 835	-0,1
Printing, recorded media	3 028	3 170	3 193	3 219	3 284	2,0
Petroleum, chemical products, rubber and plastic products	54 853	60 503	61 493	56 224	57 000	1,4
Coke, petroleum products and nuclear fuel	19 004	22 393	23 294	23 219	22 855	-1,6
Basic chemicals	10 201	12 148	12 030	8 940	10 184	13,9
Other chemical products	15 078	15 428	16 655	13 547	13 485	-0,5
Rubber products	2 125	2 177	1 916	1 951	2 060	5,6
Plastic products	8 445	8 357	7 599	8 567	8 415	-1,8
Glass and non-metallic mineral products	7 469	7 413	7 377	7 555	8 011	6,0
Glass and glass products	1 457	1 439	1 433	1 522	1 587	4,3
Non-metallic mineral products	6 012	5 974	5 944	6 033	6 424	6,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	58 076	59 667	57 243	58 299	57 613	-1,2
Basic iron and steel products	13 949	14 162	12 295	13 374	12 918	-3,4
Non-ferrous metal products	14 892	14 957	15 930	15 566	15 367	-1,3
Structural metal products	4 334	4 600	4 148	4 624	4 493	-2,8
Other fabricated metal products	9 400	9 326	8 408	9 039	9 106	0,7
General purpose machinery	5 556	6 050	5 879	5 626	5 768	2,5
Special purpose machinery	8 496	9 112	9 114	8 697	8 662	-0,4
Household appliances	1 449	1 461	1 469	1 374	1 299	-5,5
Electrical machinery	7 852	6 903	7 058	7 095	6 945	-2,1
Radio, television and communication apparatus and professional equipment	2 395	2 436	2 425	2 560	2 489	-2,8
Radio, television and communication apparatus	1 166	1 182	1 193	1 266	1 200	-5,2
Professional equipment	1 229	1 254	1 232	1 294	1 289	-0,4
Motor vehicles, parts and accessories and other transport equipment	43 394	45 492	45 568	47 866	49 307	3,0
Motor vehicles	26 300	27 354	27 922	29 479	31 200	5,8
Bodies for motor vehicles, trailers and semi-trailers	1 688	1 808	1 776	1 764	1 823	3,3
Parts and accessories	12 599	13 462	13 024	13 617	13 242	-2,8
Other transport equipment	2 807	2 869	2 845	3 006	3 042	1,2
Furniture and other manufacturing	10 740	10 545	10 716	10 782	10 795	0,1
Furniture	1 640	1 690	1 687	1 643	1 617	-1,6
Other manufacturing groups	9 100	8 855	9 029	9 139	9 178	0,4
Total	272 696	279 217	278 983	277 476	280 519	1,1

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 statistical business register (SBR), with enhanced coverage of South African businesses (see point 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 SBR, 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 58,8% for November 2023. The improved collection rate for October 2023 was 67,5%.</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 3 261 enterprises from a population of 31 501 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 2023 from Stats SA's statistical business register (SBR). 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 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 groups 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 groups 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	2 248 526	17 500 000
Small	3	20 400 001	52 000 000
Medium	2	52 000 001	204 000 000
Large	1	204 000 001	

Sample weighting 4 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures are consistent with international best practice.

Index of the volume of manufacturing production 5 The index of the volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The current base period is 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, 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			
	2017 (based on value added for 2015 – 2017)	2018 (based on value added for 2016 – 2018)	2019 (based on value added for 2017 – 2019)	2020 – 2023 (based on value added for 2018 – 2020)
Food and beverages	19,76	20,18	20,75	21,44
Meat, fish, fruit, etc.	2,74	2,95	3,27	3,42
Dairy products	1,32	1,34	1,39	1,47
Grain mill products	1,81	1,69	1,68	1,85
Other food products	7,53	7,76	7,75	7,81
Beverages	6,36	6,44	6,66	6,89
Textiles, clothing, leather and footwear	4,44	4,38	4,26	4,07
Textiles	1,11	1,10	1,08	1,04
Other textile products	0,67	0,65	0,61	0,58
Knitted, crocheted articles	0,06	0,06	0,06	0,06
Wearing apparel	2,07	2,04	1,98	1,88
Leather and leather products	0,28	0,28	0,27	0,26
Footwear	0,25	0,25	0,25	0,25
Wood and wood products, paper, publishing and printing	10,76	10,77	10,63	10,48
Sawmilling and planing of wood	0,93	0,93	0,87	0,86
Products of wood	0,86	0,87	0,88	0,90
Paper and paper products	5,33	5,39	5,34	5,26
Publishing	2,28	2,24	2,18	2,10
Printing, recorded media	1,36	1,34	1,35	1,36
Petroleum, chemical products, rubber and plastic products	25,25	25,38	24,95	24,86
Coke, petroleum products and nuclear fuel	11,72	12,02	11,85	11,92
Basic chemicals	3,82	3,69	3,50	3,39
Other chemical products	6,42	6,54	6,64	6,82
Rubber products	0,91	0,84	0,76	0,68
Plastic products	2,38	2,29	2,20	2,05
Glass and non-metallic mineral products	3,66	3,42	3,24	3,10
Glass and glass products	0,57	0,51	0,49	0,48
Non-metallic mineral products	3,09	2,91	2,75	2,62
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,55	19,47	19,73	19,96
Basic iron and steel products	2,77	2,82	2,92	2,92
Non-ferrous metal products (including precious metals)	3,48	3,26	3,32	3,54
Structural metal products	1,97	1,98	1,99	2,01
Other fabricated metal products	3,32	3,35	3,53	3,65
General purpose machinery	3,36	3,46	3,42	3,45
Special purpose machinery	3,93	3,87	3,85	3,73
Household appliances	0,71	0,73	0,70	0,66
Electrical machinery	2,42	2,31	2,21	2,14
Radio, television and communication apparatus and professional equipment	1,34	1,21	1,07	1,06
Radio, television and communication apparatus	0,29	0,13	0,04	0,03
Professional equipment	1,05	1,08	1,03	1,03
Motor vehicles, parts and accessories and other transport equipment	8,56	8,66	8,89	8,72
Motor vehicles	2,61	2,65	2,78	2,62
Bodies for motor vehicles, trailers and semi-trailers	0,68	0,71	0,73	0,75
Parts and accessories	3,91	3,93	3,97	4,03
Other transport equipment	1,36	1,37	1,40	1,32
Furniture and other manufacturing	4,26	4,21	4,27	4,17
Furniture	0,91	0,86	0,78	0,69
Other manufacturing groups	3,35	3,35	3,49	3,48
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 – November 2023

	Lower limit (R million)	Estimate (R million)	Upper limit (R million)	Relative standard error (RSE) %
Total sales	307 975	313 464	318 953	0,9

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 <i>System of National Accounts (SNA)</i> in the same way as in the <i>Standard Industrial Classification of All Economic Activities (SIC)</i> , 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, assembly or other services rendered.																										
Symbols and abbreviations	<table><tr><td>GDP</td><td>Gross domestic product</td></tr><tr><td>IMF</td><td>International Monetary Fund</td></tr><tr><td>ISIC</td><td>International Standard Industrial Classification</td></tr><tr><td>LSS</td><td>Large sample survey</td></tr><tr><td>NA</td><td>National accounts</td></tr><tr><td>PPI</td><td>Producer price index</td></tr><tr><td>SARS</td><td>South African Revenue Service</td></tr><tr><td>SBR</td><td>Statistical business register</td></tr><tr><td>SDDS</td><td>Special Data Dissemination Standard</td></tr><tr><td>SIC</td><td>Standard Industrial Classification of All Economic Activities</td></tr><tr><td>Stats SA</td><td>Statistics South Africa</td></tr><tr><td>VAT</td><td>Value-added tax</td></tr><tr><td>*</td><td>Revised figures</td></tr></table>	GDP	Gross domestic product	IMF	International Monetary Fund	ISIC	International Standard Industrial Classification	LSS	Large sample survey	NA	National accounts	PPI	Producer price index	SARS	South African Revenue Service	SBR	Statistical business register	SDDS	Special Data Dissemination Standard	SIC	Standard Industrial Classification of All Economic Activities	Stats SA	Statistics South Africa	VAT	Value-added tax	*	Revised figures
GDP	Gross domestic product																										
IMF	International Monetary Fund																										
ISIC	International Standard Industrial Classification																										
LSS	Large sample survey																										
NA	National accounts																										
PPI	Producer price index																										
SARS	South African Revenue Service																										
SBR	Statistical business register																										
SDDS	Special Data Dissemination Standard																										
SIC	Standard Industrial Classification of All Economic Activities																										
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 12 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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Advance release calendar

An advance release calendar is disseminated on www.statssa.gov.za.

Stats SA products

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Electronic services

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You can visit us on the internet at: www.statssa.gov.za.

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