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Statistical release

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Manufacturing: Production and sales (Preliminary)

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Contents

Key figures for May 2015	2
Table A – Manufacturing production and sales	2
Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production	3
Figure 1 – Index of the physical volume of manufacturing production: 2006 – 2015	4
Table C – Contribution of manufacturing divisions and major groups to the three-monthly total seasonally adjusted sales of the manufacturing industry at current prices	5
Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2006 – 2015.....	6
Detailed results	7
Table 1 – Total index of the physical volume of manufacturing production: 2009 – 2015	7
Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2009 – 2015.....	7
Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2009 – 2015	7
Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups	8
Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)	9
Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2009 – 2015	10
Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2009 – 2015	10
Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2009 – 2015....	10
Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000)	11
Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) (concluded)	12
Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups	13
Table 10 – Annual percentage change in the cumulative physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups	14
Explanatory notes.....	15
Glossary.....	19
Table D – Weights according to manufacturing divisions and major groups	21
General information.....	22

Key figures for May 2015

Table A – Manufacturing production and sales

Estimates	May 2015	% change between May 2014 and May 2015	% change between February to April 2014 and February to April 2015	% change between January to May 2014 and January to May 2015
Physical volume of manufacturing production index (base: 2010=100)	104,0	-1,4	0,2	-0,3
Total estimated sales of manufactured products (R million)	153 127	3,3	3,0	1,3

Seasonally adjusted estimates	May 2015	% change between April and May 2015	% change between December 2014 to February 2015 and March to May 2015
Physical volume of manufacturing production index (base: 2010=100)	105,7	-0,4	-0,3
Total value of sales of manufactured products (R million)	155 390	2,4	1,5

Manufacturing production decreased by 1,4% in May 2015 compared with May 2014.

The 1,4% year-on-year decrease in manufacturing production in May 2015 was mainly due to lower production in the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (-5,8% and contributing -1,2 percentage points); and
- petroleum, chemical products, rubber and plastic products (-4,6% and contributing -1,1 percentage points) (see Table 4b).

Seasonally adjusted manufacturing production decreased by 0,3% in the three months ended May 2015 compared with the previous three months. Five of the ten manufacturing divisions reported negative growth rates over this period.

The largest negative contributions to the 0,3% quarter-on-quarter decrease in manufacturing production were made by the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (-1,9% and contributing -0,4 of a percentage point);
- petroleum, chemical products, rubber and plastic products (-1,8% and contributing -0,4 of a percentage point); and
- food and beverages (-1,0% and contributing -0,3 of a percentage point) (see Table B).

Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production

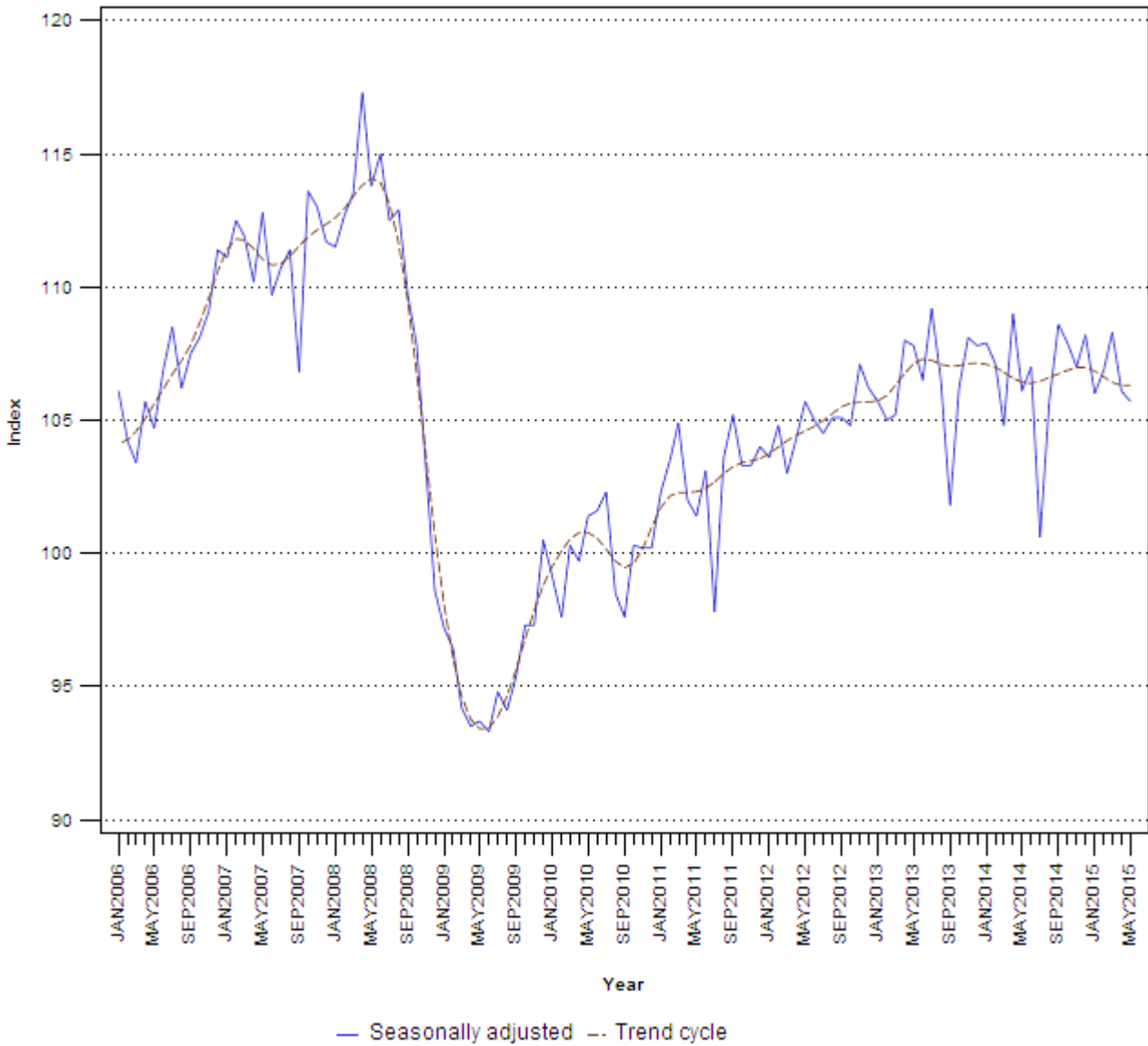
Base: 2010=100

Manufacturing divisions and major groups	Weights 2012	Average seasonally adjusted production index for December 2014 to February 2015	Average seasonally adjusted production index for March to May 2015	Quarterly % change of March to May 2015 compared with the preceding three months	Contribution (% points) to the seasonally adjusted quarterly % change in total manufacturing production 1/
Food and beverages	24,44	113,0	111,9	-1,0	-0,3
-Meat, fish, fruit, etc.	5,39	118,1	118,9	0,7	0,0
-Dairy products	1,78	112,2	113,7	1,3	0,0
-Grain mill products	2,86	103,4	103,7	0,3	0,0
-Other food products	7,73	110,3	104,9	-4,9	-0,4
-Beverages	6,68	116,4	117,6	1,0	0,1
Textiles, clothing, leather and footwear	3,17	97,6	97,9	0,3	0,0
-Textiles	1,21	88,2	89,5	1,5	0,0
-Wearing apparel	1,29	96,6	97,2	0,6	0,0
-Leather and leather products	0,28	125,5	125,6	0,1	0,0
-Footwear	0,39	106,9	105,4	-1,4	0,0
Wood and wood products, paper, publishing and printing	12,65	102,8	103,6	0,8	0,1
-Wood and products of wood	4,38	106,8	112,8	5,6	0,2
-Paper and paper products	4,89	103,1	99,6	-3,4	-0,2
-Publishing and printing	3,38	93,7	94,4	0,7	0,0
Petroleum, chemical products, rubber and plastic products	22,13	108,8	106,8	-1,8	-0,4
-Coke, petroleum products and nuclear fuel	7,77	105,9	96,4	-9,0	-0,7
-Basic chemicals	3,81	109,7	116,1	5,8	0,2
-Other chemical products	6,49	117,2	117,6	0,3	0,0
-Rubber products	1,00	98,4	101,5	3,2	0,0
-Plastic products	3,06	100,4	100,4	0,0	0,0
Glass and non-metallic mineral products	3,91	95,4	98,8	3,6	0,1
-Glass and glass products	0,78	91,7	93,2	1,6	0,0
-Non-metallic mineral products	3,13	96,4	100,2	3,9	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	104,8	102,8	-1,9	-0,4
-Basic iron and steel products	3,38	102,0	91,8	-10,0	-0,3
-Non-ferrous metal products	3,18	97,6	98,3	0,7	0,0
-Fabricated metal products	6,29	106,7	107,8	1,0	0,1
-Machinery and equipment	6,74	104,1	102,5	-1,5	-0,1
Electrical machinery	1,70	106,9	101,6	-5,0	-0,1
Radio, television and communication apparatus and professional equipment	1,41	119,4	128,1	7,3	0,1
-Radio, television and communication apparatus	0,90	128,7	139,6	8,5	0,1
-Professional equipment	0,51	102,9	107,8	4,8	0,0
Motor vehicles, parts and accessories and other transport equipment	7,39	109,7	116,4	6,1	0,5
-Motor vehicles	2,98	132,8	144,9	9,1	0,3
-Bodies for motor vehicles, trailers and semi-trailers	0,43	109,6	121,7	11,0	0,0
-Parts and accessories	2,77	89,7	93,7	4,5	0,1
-Other transport equipment	1,21	98,6	96,8	-1,8	0,0
Furniture and other manufacturing division	3,61	93,9	93,2	-0,7	0,0
-Furniture	1,08	112,3	107,4	-4,4	0,0
-Other manufacturing groups	2,53	86,0	87,2	1,4	0,0
Total	100,00	107,0	106,7	-0,3	-0,3

1/ The contribution (percentage points) of a major group or division to the total seasonally adjusted manufacturing production is calculated by multiplying the difference in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. Figures have been rounded off.

Figure 1 – Index of the physical volume of manufacturing production: 2006 – 2015

Base: 2010=100



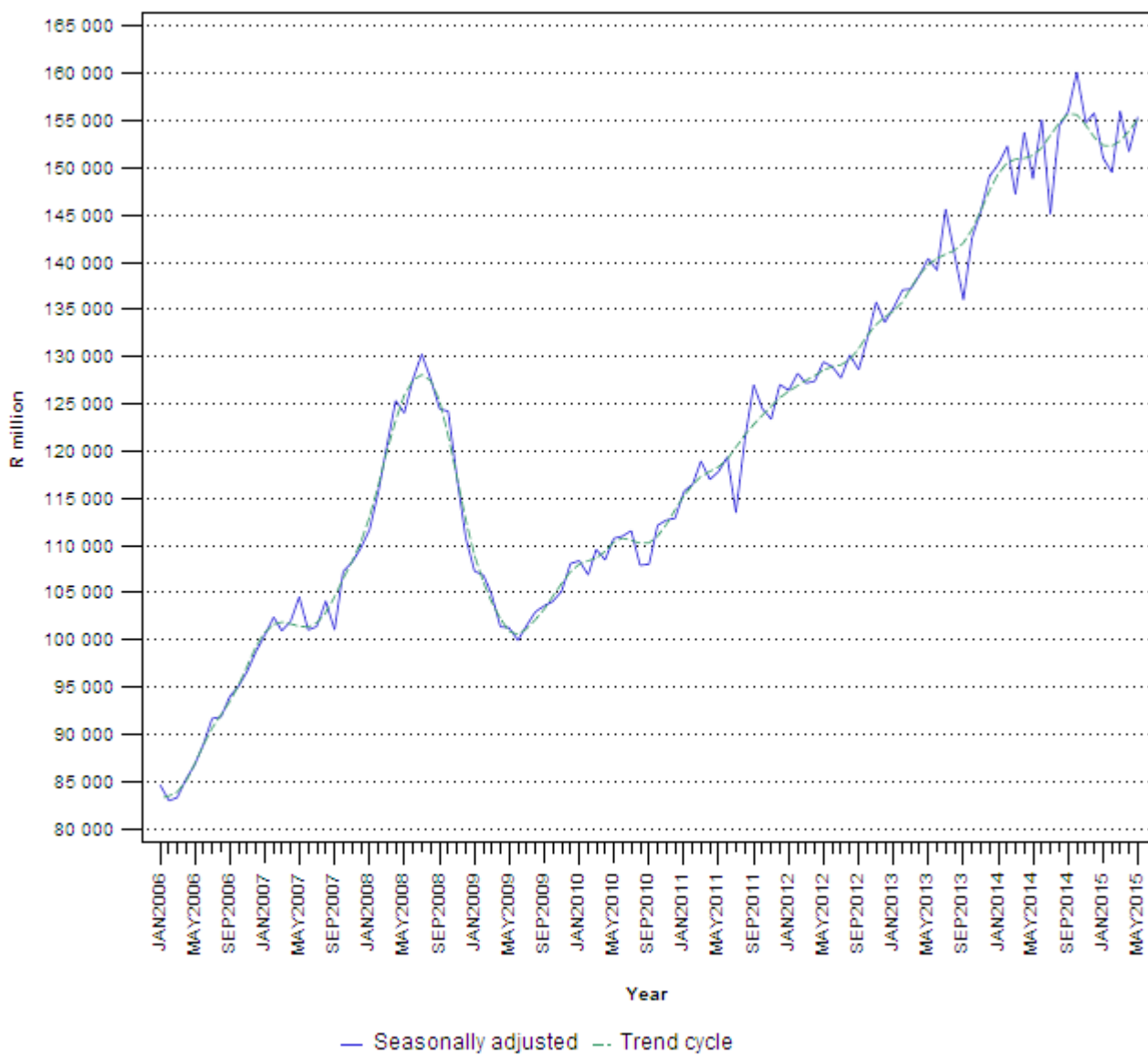
Seasonally adjusted sales of manufactured products (at current prices) increased by 1,5% (R6 815 million) in the three months ended May 2015 compared with the previous three months.

The largest contributions to the increase were made by the petroleum, chemical products, rubber and plastic products division (2,7% or R2 863 million), the food and beverages division (2,7% or R2 730 million) and the motor vehicles, parts and accessories and other transport equipment division (3,7% or R2 010 million) (see Table C).

Table C – Contribution of manufacturing divisions and major groups to the three-monthly total seasonally adjusted sales of the manufacturing industry at current prices

Manufacturing divisions and major groups	Seasonally adjusted sales December 2014 to February 2015	Seasonally adjusted sales March to May 2015	% change between December 2014 to February 2015 and March to May 2015	Difference in seasonally adjusted sales of manufacturing divisions between December 2014 to February 2015 and March to May 2015
	R'000	R'000	%	R'000
Food and beverages	101 142 585	103 872 645	2,7	2 730 060
-Food and food products	73 433 669	74 343 677	1,2	910 008
-Beverages	27 708 916	29 528 968	6,6	1 820 052
Textiles, clothing, leather and footwear	12 534 839	12 587 031	0,4	52 192
-Textiles	4 734 570	4 779 103	0,9	44 533
-Wearing apparel	4 879 521	4 925 275	0,9	45 754
-Leather and leather products	1 727 198	1 700 886	-1,5	-26 312
-Footwear	1 193 550	1 181 767	-1,0	-11 783
Wood and wood products, paper, publishing and printing	34 247 114	34 660 337	1,2	413 223
-Wood and products of wood	7 413 292	7 901 917	6,6	488 625
-Paper and paper products	15 848 963	15 825 140	-0,2	-23 823
-Publishing and printing	10 984 859	10 933 280	-0,5	-51 579
Petroleum, chemical products, rubber and plastic products	105 875 505	108 738 816	2,7	2 863 311
-Coke, petroleum products and nuclear fuel	40 712 308	42 218 229	3,7	1 505 921
-Basic chemicals	21 988 535	22 403 949	1,9	415 414
-Other chemical products	26 228 739	27 186 769	3,7	958 030
-Rubber products	3 898 573	4 126 690	5,9	228 117
-Plastic products	13 047 350	12 803 179	-1,9	-244 171
Glass and non-metallic mineral products	13 552 131	14 005 174	3,3	453 043
-Glass and glass products	2 344 961	2 453 315	4,6	108 354
-Non-metallic mineral products	11 207 170	11 551 859	3,1	344 689
Basic iron and steel, non-ferrous metal products, metal products and machinery	100 449 810	100 012 440	-0,4	-437 370
-Basic iron and steel products	30 823 844	29 313 180	-4,9	-1 510 664
-Basic precious, non-ferrous metal products	21 843 890	22 089 247	1,1	245 357
-Fabricated metal products	23 733 415	24 790 103	4,5	1 056 688
-Machinery and equipment	24 048 661	23 819 910	-1,0	-228 751
Electrical machinery	14 159 852	13 336 405	-5,8	-823 447
Radio, television and communication apparatus and professional equipment	4 617 538	4 666 544	1,1	49 006
-Radio, television and communication apparatus	2 596 708	2 560 682	-1,4	-36 026
-Professional equipment	2 020 830	2 105 862	4,2	85 032
Motor vehicles, parts and accessories and other transport equipment	54 563 432	56 573 735	3,7	2 010 303
-Motor vehicles, trailers, parts and accessories	48 875 379	51 023 436	4,4	2 148 057
-Other transport equipment	5 688 053	5 550 299	-2,4	-137 754
Furniture and other manufacturing division	15 202 439	14 706 799	-3,3	-495 640
-Furniture	4 088 738	4 010 447	-1,9	-78 291
-Other manufacturing groups	11 113 701	10 696 352	-3,8	-417 349
Total	456 345 245	463 159 926	1,5	6 814 681

Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2006 – 2015



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Detailed results

Table 1 – Total index of the physical volume of manufacturing production: 2009 – 2015

Base: 2010=100

Month	2009	2010	2011	2012	2013	2014	2015
Jan	82,7	84,5	86,7	88,9	92,2	94,4	92,1
Feb	91,1	92,2	98,4	102,2	100,1	102,1	101,8
Mar	97,6	103,8	109,3	106,2	104,7	106,2	1/ 110,5
Apr	86,6	93,4	93,4	95,2	101,8	100,5	1/ 98,4
May	94,2	100,6	101,6	106,9	108,9	105,5	1/ 104,0
Jun	94,5	102,9	104,2	104,9	105,2	106,3	
Jul	98,2	105,3	98,9	106,1	111,7	103,5	
Aug	96,3	101,6	107,8	110,0	110,4	108,5	
Sep	99,9	102,2	110,4	107,7	105,3	113,0	
Oct	108,4	110,3	112,9	116,7	118,9	121,1	
Nov	107,9	112,2	116,6	121,0	121,0	118,6	
Dec	89,2	91,0	93,5	95,2	98,1	99,5	
Year	95,6	100,0	102,8	105,1	106,5	106,6	

1/ Preliminary.

Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2009 – 2015 2/

Month	2009	2010	2011	2012	2013	2014	2015
Jan	-14,8	2,2	2,6	2,5	3,7	2,4	-2,4
Feb	-16,7	1,2	6,7	3,9	-2,1	2,0	-0,3
Mar	-13,7	6,4	5,3	-2,8	-1,4	1,4	4,0
Apr	-23,2	7,9	0,0	1,9	6,9	-1,3	-2,1
May	-18,4	6,8	1,0	5,2	1,9	-3,1	-1,4
Jun	-18,3	8,9	1,3	0,7	0,3	1,0	
Jul	-15,3	7,2	-6,1	7,3	5,3	-7,3	
Aug	-16,8	5,5	6,1	2,0	0,4	-1,7	
Sep	-12,7	2,3	8,0	-2,4	-2,2	7,3	
Oct	-10,3	1,8	2,4	3,4	1,9	1,9	
Nov	-5,1	4,0	3,9	3,8	0,0	-2,0	
Dec	3,4	2,0	2,7	1,8	3,0	1,4	
Year	-13,8	4,6	2,8	2,2	1,3	0,1	

2/ The annual percentage change is the change in the index of the physical volume of manufacturing production of the relevant month of the current year compared with the corresponding month of the previous year expressed as a percentage.

Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2009 – 2015

Base: 2010=100

Month	2009	2010	2011	2012	2013	2014	2015
Jan	97,2	99,1	102,3	103,6	105,7	107,9	106,0
Feb	96,4	97,6	103,5	104,8	105,0	107,1	106,9
Mar	94,2	100,3	104,9	103,0	105,2	104,8	108,3
Apr	93,5	99,7	102,0	104,3	108,0	109,0	106,1
May	93,7	101,4	101,4	105,7	107,8	106,1	105,7
Jun	93,3	101,6	103,1	105,0	106,5	107,0	
Jul	94,8	102,3	97,8	104,5	109,2	100,6	
Aug	94,1	98,5	103,6	105,1	106,5	105,7	
Sep	95,4	97,6	105,2	105,1	101,8	108,6	
Oct	97,3	100,3	103,3	104,8	106,2	107,9	
Nov	97,3	100,2	103,3	107,1	108,1	107,0	
Dec	100,5	100,2	104,0	106,2	107,8	108,2	

Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups

Base: 2010=100

Manufacturing divisions and major groups	Weights 2012	Average for 2014	Actual indices			Seasonally adjusted indices		
			May 2014	1/ April 2015	1/ May 2015	May 2014	April 2015	May 2015
Food and beverages	24,44	110,3	105,6	104,4	107,8	108,0	111,8	111,0
-Meat, fish, fruit, etc.	5,39	115,2	114,3	115,2	115,9	114,6	119,4	117,4
-Dairy products	1,78	107,4	98,6	106,7	108,5	104,8	113,3	115,6
-Grain mill products	2,86	105,2	106,3	98,3	102,0	107,6	103,8	103,3
-Other food products	7,73	106,8	104,6	102,3	110,8	98,1	103,1	104,4
-Beverages	6,68	113,3	101,4	100,1	100,2	115,3	118,9	115,7
Textiles, clothing, leather and footwear	3,17	97,1	94,5	93,2	96,4	94,5	95,7	96,7
-Textiles	0,74	82,0	84,5	84,4	90,9	80,0	85,7	88,3
-Other textile products	0,47	96,0	100,5	85,5	95,9	97,8	91,2	92,2
-Knitted, crocheted articles	0,10	56,9	67,5	53,8	62,8	57,6	51,2	52,9
-Wearing apparel	1,19	101,5	92,9	95,9	93,9	96,1	97,4	97,5
-Leather and leather products	0,28	123,1	119,5	121,8	130,0	119,1	125,4	129,7
-Footwear	0,39	105,0	100,0	100,2	99,5	104,4	104,3	102,6
Wood and wood products, paper, publishing and printing	12,65	104,2	101,4	92,9	101,0	103,7	103,4	103,5
-Sawmilling and planing of wood	1,83	114,1	110,5	120,5	130,4	108,1	126,9	130,5
-Products of wood	2,55	100,4	96,6	100,0	102,5	97,5	106,1	104,0
-Paper and paper products	4,89	103,7	104,2	90,6	97,2	106,1	101,0	98,8
-Publishing	1,51	106,3	96,7	79,2	85,5	109,3	93,6	96,8
-Printing, recorded media	1,87	99,5	95,6	73,3	92,4	97,3	90,9	94,3
Petroleum, chemical products, rubber and plastic products	22,13	108,1	108,2	97,5	103,2	110,0	105,7	106,5
-Coke, petroleum products and nuclear fuel	7,77	102,5	111,5	89,0	92,0	114,5	94,2	95,9
-Basic chemicals	3,81	115,4	110,5	101,7	115,7	110,0	111,9	118,4
-Other chemical products	6,49	113,0	106,9	106,0	112,6	110,5	117,9	118,2
-Rubber products	1,00	105,2	107,1	95,0	109,6	97,3	100,1	100,5
-Plastic products	3,06	104,0	99,8	96,5	94,0	101,6	103,1	95,7
Glass and non-metallic mineral products	3,91	99,4	102,2	94,9	101,5	98,8	99,0	99,6
-Glass and glass products	0,78	89,8	78,6	80,7	85,2	87,0	92,2	93,9
-Non-metallic mineral products	3,13	101,7	108,1	98,4	105,6	101,7	100,7	101,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	103,8	106,7	97,9	100,5	104,4	102,3	99,5
-Basic iron and steel products	3,38	94,6	107,0	96,1	93,8	97,6	93,3	84,6
-Non-ferrous metal products	3,18	103,9	112,6	100,9	96,6	110,0	102,6	94,0
-Structural metal products	1,89	82,3	83,3	73,4	81,7	82,2	78,9	82,6
-Other fabricated metal products	4,40	120,5	122,5	112,9	116,4	121,9	120,5	116,6
-General purpose machinery	2,44	88,2	84,1	78,4	84,4	82,7	84,3	83,1
-Special purpose machinery	3,44	111,3	103,9	101,2	107,9	106,7	110,5	114,9
-Household appliances	0,86	114,8	128,9	112,8	117,7	122,9	114,2	113,5
Electrical machinery	1,70	102,3	101,5	92,5	105,1	99,3	98,5	102,8
Radio, television and communication apparatus and professional equipment	1,41	141,5	141,1	108,5	122,4	151,7	123,7	131,0
-Radio, television and communication apparatus	0,90	163,7	165,5	116,2	129,7	182,5	138,2	143,4
-Professional equipment	0,51	101,8	97,5	94,9	109,5	96,7	97,9	109,0
Motor vehicles, parts and accessories and other transport equipment	7,39	107,8	107,5	103,6	116,0	104,6	114,5	116,5
-Motor vehicles	2,98	128,6	125,1	125,3	147,8	122,4	143,9	150,6
-Bodies for motor vehicles, trailers and semi-trailers	0,43	107,2	116,7	120,7	125,6	106,2	120,9	119,3
-Parts and accessories	2,77	90,8	96,5	88,6	92,7	91,8	93,0	90,4
-Other transport equipment	1,21	95,5	86,1	78,7	87,5	89,3	89,2	91,4
Furniture and other manufacturing division	3,61	98,6	93,4	80,8	91,0	92,5	95,0	91,1
-Furniture	1,08	113,2	117,9	100,6	102,1	117,6	108,7	102,3
-Other manufacturing groups	2,53	92,3	82,9	72,3	86,3	81,7	89,1	86,3
Total	100,00	106,6	105,5	98,4	104,0	106,1	106,1	105,7

1/ Preliminary.

Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)

Base: 2010=100

Manufacturing divisions and major groups	Weights 2012	Average for 2014	Actual indices			Seasonally adjusted indices		
			May 2014	1/ May 2015	% change between May 2014 and May 2015	April 2015	May 2015	% change between April and May 2015
Food and beverages	24,44	110,3	105,6	107,8	2,1	111,8	111,0	-0,7
-Meat, fish, fruit, etc.	5,39	115,2	114,3	115,9	1,4	119,4	117,4	-1,7
-Dairy products	1,78	107,4	98,6	108,5	10,0	113,3	115,6	2,0
-Grain mill products	2,86	105,2	106,3	102,0	-4,0	103,8	103,3	-0,5
-Other food products	7,73	106,8	104,6	110,8	5,9	103,1	104,4	1,3
-Beverages	6,68	113,3	101,4	100,2	-1,2	118,9	115,7	-2,7
Textiles, clothing, leather and footwear	3,17	97,1	94,5	96,4	2,0	95,7	96,7	1,0
-Textiles	0,74	82,0	84,5	90,9	7,6	85,7	88,3	3,0
-Other textile products	0,47	96,0	100,5	95,9	-4,6	91,2	92,2	1,1
-Knitted, crocheted articles	0,10	56,9	67,5	62,8	-7,0	51,2	52,9	3,3
-Wearing apparel	1,19	101,5	92,9	93,9	1,1	97,4	97,5	0,1
-Leather and leather products	0,28	123,1	119,5	130,0	8,8	125,4	129,7	3,4
-Footwear	0,39	105,0	100,0	99,5	-0,5	104,3	102,6	-1,6
Wood and wood products, paper, publishing and printing	12,65	104,2	101,4	101,0	-0,4	103,4	103,5	0,1
-Sawmilling and planing of wood	1,83	114,1	110,5	130,4	18,0	126,9	130,5	2,8
-Products of wood	2,55	100,4	96,6	102,5	6,1	106,1	104,0	-2,0
-Paper and paper products	4,89	103,7	104,2	97,2	-6,7	101,0	98,8	-2,2
-Publishing	1,51	106,3	96,7	85,5	-11,6	93,6	96,8	3,4
-Printing, recorded media	1,87	99,5	95,6	92,4	-3,3	90,9	94,3	3,7
Petroleum, chemical products, rubber and plastic products	22,13	108,1	108,2	103,2	-4,6	105,7	106,5	0,8
-Coke, petroleum products and nuclear fuel	7,77	102,5	111,5	92,0	-17,5	94,2	95,9	1,8
-Basic chemicals	3,81	115,4	110,5	115,7	4,7	111,9	118,4	5,8
-Other chemical products	6,49	113,0	106,9	112,6	5,3	117,9	118,2	0,3
-Rubber products	1,00	105,2	107,1	109,6	2,3	100,1	100,5	0,4
-Plastic products	3,06	104,0	99,8	94,0	-5,8	103,1	95,7	-7,2
Glass and non-metallic mineral products	3,91	99,4	102,2	101,5	-0,7	99,0	99,6	0,6
-Glass and glass products	0,78	89,8	78,6	85,2	8,4	92,2	93,9	1,8
-Non-metallic mineral products	3,13	101,7	108,1	105,6	-2,3	100,7	101,0	0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	103,8	106,7	100,5	-5,8	102,3	99,5	-2,7
-Basic iron and steel products	3,38	94,6	107,0	93,8	-12,3	93,3	84,6	-9,3
-Non-ferrous metal products	3,18	103,9	112,6	96,6	-14,2	102,6	94,0	-8,4
-Structural metal products	1,89	82,3	83,3	81,7	-1,9	78,9	82,6	4,7
-Other fabricated metal products	4,40	120,5	122,5	116,4	-5,0	120,5	116,6	-3,2
-General purpose machinery	2,44	88,2	84,1	84,4	0,4	84,3	83,1	-1,4
-Special purpose machinery	3,44	111,3	103,9	107,9	3,8	110,5	114,9	4,0
-Household appliances	0,86	114,8	128,9	117,7	-8,7	114,2	113,5	-0,6
Electrical machinery	1,70	102,3	101,5	105,1	3,5	98,5	102,8	4,4
Radio, television and communication apparatus and professional equipment	1,41	141,5	141,1	122,4	-13,3	123,7	131,0	5,9
-Radio, television and communication apparatus	0,90	163,7	165,5	129,7	-21,6	138,2	143,4	3,8
-Professional equipment	0,51	101,8	97,5	109,5	12,3	97,9	109,0	11,3
Motor vehicles, parts and accessories and other transport equipment	7,39	107,8	107,5	116,0	7,9	114,5	116,5	1,7
-Motor vehicles	2,98	128,6	125,1	147,8	18,1	143,9	150,6	4,7
-Bodies for motor vehicles, trailers and semi-trailers	0,43	107,2	116,7	125,6	7,6	120,9	119,3	-1,3
-Parts and accessories	2,77	90,8	96,5	92,7	-3,9	93,0	90,4	-2,8
-Other transport equipment	1,21	95,5	86,1	87,5	1,6	89,2	91,4	2,5
Furniture and other manufacturing division	3,61	98,6	93,4	91,0	-2,6	95,0	91,1	-4,1
-Furniture	1,08	113,2	117,9	102,1	-13,4	108,7	102,3	-5,9
-Other manufacturing groups	2,53	92,3	82,9	86,3	4,1	89,1	86,3	-3,1
Total	100,00	106,6	105,5	104,0	-1,4	106,1	105,7	-0,4

1/ Preliminary.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2009 – 2015

Month	2009	2010	2011	2012	2013	2014	2015
Jan	89 411 709	90 043 639	95 914 260	107 125 725	116 496 690	130 317 527	129 382 598
Feb	101 389 780	101 802 931	111 504 610	125 726 110	131 666 953	146 262 502	143 300 546
Mar	109 741 940	115 312 858	126 114 741	133 201 183	137 659 315	151 399 659	1/ 161 396 473
Apr	93 988 030	101 813 278	108 002 905	117 398 378	133 362 802	143 701 281	1/ 141 978 627
May	100 539 504	109 347 265	117 550 156	130 161 819	141 170 742	148 218 032	1/ 153 127 276
Jun	102 182 642	113 714 894	122 066 418	130 686 381	139 191 581	156 152 997	
Jul	103 852 587	112 863 459	112 900 609	127 523 717	146 281 118	146 085 440	
Aug	104 831 059	110 602 573	124 733 688	134 271 194	143 904 416	156 424 723	
Sep	109 100 206	113 246 712	133 013 706	131 703 059	140 281 228	162 202 124	
Oct	114 516 711	121 671 719	133 668 047	144 305 886	156 176 718	175 256 749	
Nov	116 693 241	126 495 305	139 068 350	153 074 012	162 115 203	170 419 049	
Dec	99 259 368	104 538 782	117 666 432	123 592 966	140 400 601	147 994 581	
Year	1 245 506 777	1 321 453 415	1 442 203 922	1 558 770 430	1 688 707 367	1 834 434 664	

1/ Preliminary.

Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2009 – 2015 2/

Month	2009	2010	2011	2012	2013	2014	2015
Jan	-5,6	0,7	6,5	11,7	8,7	11,9	-0,7
Feb	-10,0	0,4	9,5	12,8	4,7	11,1	-2,0
Mar	-8,3	5,1	9,4	5,6	3,3	10,0	6,6
Apr	-22,7	8,3	6,1	8,7	13,6	7,8	-1,2
May	-19,5	8,8	7,5	10,7	8,5	5,0	3,3
Jun	-21,2	11,3	7,3	7,1	6,5	12,2	
Jul	-22,2	8,7	0,0	13,0	14,7	-0,1	
Aug	-20,2	5,5	12,8	7,6	7,2	8,7	
Sep	-16,6	3,8	17,5	-1,0	6,5	15,6	
Oct	-16,8	6,2	9,9	8,0	8,2	12,2	
Nov	-9,0	8,4	9,9	10,1	5,9	5,1	
Dec	-1,7	5,3	12,6	5,0	13,6	5,4	
Year	-15,0	6,1	9,1	8,1	8,3	8,6	

2/ The annual percentage change is the change in the sales of the manufacturing industry of the relevant month of the current year compared with the sales of the corresponding month of the previous year expressed as a percentage.

Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2009 – 2015

Month	2009	2010	2011	2012	2013	2014	2015
Jan	107 259 901	108 368 847	115 723 840	126 436 984	135 222 228	150 402 556	151 037 624
Feb	106 851 211	106 881 868	116 501 798	128 228 171	137 078 123	152 294 082	149 510 002
Mar	104 834 894	109 560 354	118 936 121	127 194 153	137 163 202	147 209 519	156 015 565
Apr	101 367 173	108 469 514	116 999 085	127 400 875	138 629 075	153 767 537	151 754 880
May	101 293 407	110 743 998	117 809 199	129 438 864	140 405 119	148 866 042	155 389 481
Jun	99 938 168	110 980 176	119 359 167	128 936 613	139 156 071	155 095 439	
Jul	101 490 186	111 553 260	113 475 303	127 749 558	145 625 356	145 141 313	
Aug	102 963 159	107 889 043	121 167 571	130 174 746	140 846 601	154 450 581	
Sep	103 596 415	107 997 359	127 001 119	128 624 245	136 051 932	155 978 233	
Oct	104 059 094	112 135 314	124 486 837	131 936 483	142 615 527	160 142 171	
Nov	105 179 069	112 687 774	123 383 218	135 779 386	145 459 236	154 810 756	
Dec	108 066 739	112 877 434	127 050 880	133 633 466	149 112 748	155 797 619	

Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000)

Manufacturing divisions and major groups	Year 2014	Actual values			Seasonally adjusted values		
		May 2014	1/ April 2015	1/ May 2015	May 2014	April 2015	May 2015
Food and beverages	391 872 556	31 014 524	32 260 827	32 852 858	32 409 652	34 597 342	34 758 613
-Meat, fish, fruit, etc.	105 017 475	8 722 414	8 703 004	8 958 082	8 842 800	9 265 745	9 129 204
-Dairy products	34 033 139	2 651 231	2 982 151	3 025 933	2 732 076	3 101 212	3 175 822
-Grain mill products	64 105 154	5 497 986	5 088 548	5 361 120	5 478 456	5 249 712	5 331 940
-Other food products	81 559 806	6 410 534	7 236 383	7 037 539	6 471 600	7 255 488	7 153 638
-Beverages	107 156 982	7 732 359	8 250 741	8 470 184	8 884 720	9 725 185	9 968 009
Textiles, clothing, leather and footwear	49 328 204	4 138 384	4 090 721	4 265 115	4 014 971	4 160 597	4 171 219
-Textiles	6 299 748	556 860	554 512	578 253	524 234	554 789	550 929
-Other textile products	12 250 299	1 080 712	1 009 339	1 091 675	1 018 775	1 034 654	1 039 979
-Knitted, crocheted articles	2 377 787	237 949	198 022	219 883	200 366	180 303	190 811
-Wearing apparel	17 006 477	1 353 348	1 386 665	1 435 225	1 359 539	1 425 729	1 443 196
-Leather and leather products	6 637 099	554 064	565 368	593 245	539 441	571 337	578 456
-Footwear	4 756 794	355 451	376 815	346 834	372 616	393 785	367 848
Wood and wood products, paper, publishing and printing	135 264 401	10 781 449	10 236 584	11 060 753	11 163 809	11 714 375	11 481 480
-Sawmilling and planing of wood	10 531 005	803 153	944 248	1 034 837	808 529	1 002 929	1 040 383
-Products of wood	18 266 905	1 464 021	1 541 866	1 586 106	1 492 170	1 654 294	1 637 610
-Paper and paper products	60 931 868	4 976 259	4 711 687	5 042 010	5 111 282	5 359 639	5 197 009
-Publishing	20 066 195	1 503 992	1 341 957	1 416 159	1 656 013	1 553 249	1 551 211
-Printing, recorded media	25 468 428	2 034 024	1 696 826	1 981 641	2 095 815	2 144 264	2 055 267
Petroleum, chemical products, rubber and plastic products	452 163 910	36 725 338	33 630 864	36 927 699	36 696 831	35 573 262	37 254 495
-Coke, petroleum products and nuclear fuel	186 481 975	15 889 510	13 333 247	15 243 397	15 498 421	13 453 176	14 878 543
-Basic chemicals	96 414 360	7 491 120	6 763 111	7 593 720	7 584 183	7 409 486	7 697 730
-Other chemical products	99 738 691	7 806 095	8 220 756	8 713 280	8 051 909	8 998 637	9 161 090
-Rubber products	16 956 761	1 379 463	1 294 394	1 397 500	1 344 671	1 387 097	1 384 326
-Plastic products	52 572 123	4 159 150	4 019 356	3 979 802	4 217 647	4 324 866	4 132 806
Glass and non-metallic mineral products	55 423 709	4 640 486	4 300 565	4 653 436	4 617 334	4 691 518	4 708 777
-Glass and glass products	9 305 728	660 422	694 538	732 691	755 976	819 565	823 282
-Non-metallic mineral products	46 117 981	3 980 064	3 606 027	3 920 745	3 861 358	3 871 953	3 885 495
Basic iron and steel, non-ferrous metal products, metal products and machinery	395 312 268	33 268 536	30 245 360	33 305 735	32 579 033	31 801 210	33 109 661
-Basic iron and steel products	121 988 751	10 619 744	8 635 766	9 992 806	10 004 247	8 723 180	9 448 380
-Non-ferrous metal products	87 121 151	7 373 190	6 914 329	7 232 022	7 387 014	7 305 433	7 245 223
-Structural metal products	32 806 793	2 683 488	2 551 954	2 935 900	2 699 555	2 697 598	3 019 519
-Other fabricated metal products	60 262 135	5 189 107	4 958 006	5 356 861	5 063 422	5 276 175	5 369 611
-General purpose machinery	33 776 613	2 638 461	2 522 377	2 795 939	2 571 228	2 760 437	2 730 897
-Special purpose machinery	49 171 560	3 786 815	3 843 817	4 098 945	3 928 819	4 177 463	4 429 831
-Household appliances	10 185 265	977 731	819 111	893 262	924 748	860 924	866 200
Electrical machinery	52 900 401	4 103 446	3 996 651	4 285 529	4 135 952	4 356 322	4 409 866
Radio, television and communication apparatus and professional equipment	20 551 669	1 722 615	1 317 856	1 523 479	1 816 410	1 494 912	1 579 049
-Radio, television and communication apparatus	12 655 287	1 052 580	682 615	799 665	1 156 516	800 949	866 873
-Professional equipment	7 896 382	670 035	635 241	723 814	659 894	693 963	712 176
Motor vehicles, parts and accessories and other transport equipment	221 207 072	16 935 478	17 050 699	19 384 932	16 553 043	18 438 547	19 030 512
-Motor vehicles	125 897 542	9 144 065	9 127 700	11 048 491	8 938 679	10 083 776	10 804 559
-Bodies for motor vehicles, trailers and semi-trailers	9 108 576	803 001	818 460	862 007	768 024	837 750	863 925
-Parts and accessories	64 796 794	5 365 116	5 578 449	5 764 776	5 187 537	5 798 349	5 608 933
-Other transport equipment	21 404 160	1 623 296	1 526 090	1 709 658	1 658 803	1 718 672	1 753 095
Furniture and other manufacturing division	60 410 474	4 887 776	4 848 500	4 867 740	4 879 007	4 926 795	4 885 809
-Furniture	15 470 377	1 334 793	1 224 869	1 300 503	1 324 261	1 331 386	1 312 697
-Other manufacturing groups	44 940 097	3 552 983	3 623 631	3 567 237	3 554 746	3 595 409	3 573 112
Total	1 834 434 664	148 218 032	141 978 627	153 127 276	148 866 042	151 754 880	155 389 481

1/ Preliminary.

Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) (concluded)

Manufacturing divisions and major groups	Year 2014	Actual values			Seasonally adjusted values		
		May 2014	1/ May 2015	% change between May 2014 and May 2015	April 2015	May 2015	% change between April and May 2015
Food and beverages	391 872 556	31 014 524	32 852 858	5,9	34 597 342	34 758 613	0,5
-Meat, fish, fruit, etc.	105 017 475	8 722 414	8 958 082	2,7	9 265 745	9 129 204	-1,5
-Dairy products	34 033 139	2 651 231	3 025 933	14,1	3 101 212	3 175 822	2,4
-Grain mill products	64 105 154	5 497 986	5 361 120	-2,5	5 249 712	5 331 940	1,6
-Other food products	81 559 806	6 410 534	7 037 539	9,8	7 255 488	7 153 638	-1,4
-Beverages	107 156 982	7 732 359	8 470 184	9,5	9 725 185	9 968 009	2,5
Textiles, clothing, leather and footwear	49 328 204	4 138 384	4 265 115	3,1	4 160 597	4 171 219	0,3
-Textiles	6 299 748	556 860	578 253	3,8	554 789	550 929	-0,7
-Other textile products	12 250 299	1 080 712	1 091 675	1,0	1 034 654	1 039 979	0,5
-Knitted, crocheted articles	2 377 787	237 949	219 883	-7,6	180 303	190 811	5,8
-Wearing apparel	17 006 477	1 353 348	1 435 225	6,0	1 425 729	1 443 196	1,2
-Leather and leather products	6 637 099	554 064	593 245	7,1	571 337	578 456	1,2
-Footwear	4 756 794	355 451	346 834	-2,4	393 785	367 848	-6,6
Wood and wood products, paper, publishing and printing	135 264 401	10 781 449	11 060 753	2,6	11 714 375	11 481 480	-2,0
-Sawmilling and planing of wood	10 531 005	803 153	1 034 837	28,8	1 002 929	1 040 383	3,7
-Products of wood	18 266 905	1 464 021	1 586 106	8,3	1 654 294	1 637 610	-1,0
-Paper and paper products	60 931 868	4 976 259	5 042 010	1,3	5 359 639	5 197 009	-3,0
-Publishing	20 066 195	1 503 992	1 416 159	-5,8	1 553 249	1 551 211	-0,1
-Printing, recorded media	25 468 428	2 034 024	1 981 641	-2,6	2 144 264	2 055 267	-4,2
Petroleum, chemical products, rubber and plastic products	452 163 910	36 725 338	36 927 699	0,6	35 573 262	37 254 495	4,7
-Coke, petroleum products and nuclear fuel	186 481 975	15 889 510	15 243 397	-4,1	13 453 176	14 878 543	10,6
-Basic chemicals	96 414 360	7 491 120	7 593 720	1,4	7 409 486	7 697 730	3,9
-Other chemical products	99 738 691	7 806 095	8 713 280	11,6	8 998 637	9 161 090	1,8
-Rubber products	16 956 761	1 379 463	1 397 500	1,3	1 387 097	1 384 326	-0,2
-Plastic products	52 572 123	4 159 150	3 979 802	-4,3	4 324 866	4 132 806	-4,4
Glass and non-metallic mineral products	55 423 709	4 640 486	4 653 436	0,3	4 691 518	4 708 777	0,4
-Glass and glass products	9 305 728	660 422	732 691	10,9	819 565	823 282	0,5
-Non-metallic mineral products	46 117 981	3 980 064	3 920 745	-1,5	3 871 953	3 885 495	0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	395 312 268	33 268 536	33 305 735	0,1	31 801 210	33 109 661	4,1
-Basic iron and steel products	121 988 751	10 619 744	9 992 806	-5,9	8 723 180	9 448 380	8,3
-Non-ferrous metal products	87 121 151	7 373 190	7 232 022	-1,9	7 305 433	7 245 223	-0,8
-Structural metal products	32 806 793	2 683 488	2 935 900	9,4	2 697 598	3 019 519	11,9
-Other fabricated metal products	60 262 135	5 189 107	5 356 861	3,2	5 276 175	5 369 611	1,8
-General purpose machinery	33 776 613	2 638 461	2 795 939	6,0	2 760 437	2 730 897	-1,1
-Special purpose machinery	49 171 560	3 786 815	4 098 945	8,2	4 177 463	4 429 831	6,0
-Household appliances	10 185 265	977 731	893 262	-8,6	860 924	866 200	0,6
Electrical machinery	52 900 401	4 103 446	4 285 529	4,4	4 356 322	4 409 866	1,2
Radio, television and communication apparatus and professional equipment	20 551 669	1 722 615	1 523 479	-11,6	1 494 912	1 579 049	5,6
-Radio, television and communication apparatus	12 655 287	1 052 580	799 665	-24,0	800 949	866 873	8,2
-Professional equipment	7 896 382	670 035	723 814	8,0	693 963	712 176	2,6
Motor vehicles, parts and accessories and other transport equipment	221 207 072	16 935 478	19 384 932	14,5	18 438 547	19 030 512	3,2
-Motor vehicles	125 897 542	9 144 065	11 048 491	20,8	10 083 776	10 804 559	7,1
-Bodies for motor vehicles, trailers and semi-trailers	9 108 576	803 001	862 007	7,3	837 750	863 925	3,1
-Parts and accessories	64 796 794	5 365 116	5 764 776	7,4	5 798 349	5 608 933	-3,3
-Other transport equipment	21 404 160	1 623 296	1 709 658	5,3	1 718 672	1 753 095	2,0
Furniture and other manufacturing division	60 410 474	4 887 776	4 867 740	-0,4	4 926 795	4 885 809	-0,8
-Furniture	15 470 377	1 334 793	1 300 503	-2,6	1 331 386	1 312 697	-1,4
-Other manufacturing groups	44 940 097	3 552 983	3 567 237	0,4	3 595 409	3 573 112	-0,6
Total	1 834 434 664	148 218 032	153 127 276	3,3	151 754 880	155 389 481	2,4

1/ Preliminary.

Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights 2012	Production indices (base: 2010=100)			Value of sales (R'000)		
		Mar. to May 2014	Mar. to May 2015	% change between Mar. to May 2014 and Mar. to May 2015	Mar. to May 2014	Mar. to May 2015	% change between Mar. to May 2014 and Mar. to May 2015
Food and beverages	24,44	103,8	107,6	3,7	92 035 308	99 600 111	8,2
-Meat, fish, fruit, etc.	5,39	112,4	119,8	6,6	25 289 809	27 484 395	8,7
-Dairy products	1,78	101,1	108,7	7,5	7 990 563	9 192 573	15,0
-Grain mill products	2,86	104,1	103,1	-1,0	16 211 305	16 050 937	-1,0
-Other food products	7,73	102,2	102,4	0,2	19 215 784	20 519 941	6,8
-Beverages	6,68	99,2	105,3	6,1	23 327 847	26 352 265	13,0
Textiles, clothing, leather and footwear	3,17	95,9	98,1	2,3	12 387 306	12 812 112	3,4
-Textiles	0,74	81,7	90,9	11,3	1 600 930	1 747 333	9,1
-Other textile products	0,47	96,5	92,1	-4,6	3 091 321	3 177 986	2,8
-Knitted, crocheted articles	0,10	68,5	58,9	-14,0	723 754	626 301	-13,5
-Wearing apparel	1,19	97,7	100,1	2,5	4 126 190	4 384 426	6,3
-Leather and leather products	0,28	129,0	127,1	-1,5	1 759 162	1 730 496	-1,6
-Footwear	0,39	100,3	101,4	1,1	1 085 949	1 145 570	5,5
Wood and wood products, paper, publishing and printing	12,65	101,6	99,8	-1,8	32 030 587	33 189 999	3,6
-Sawmilling and planing of wood	1,83	112,8	128,7	14,1	2 543 406	2 955 136	16,2
-Products of wood	2,55	97,6	103,8	6,4	4 435 598	4 806 931	8,4
-Paper and paper products	4,89	103,6	96,6	-6,8	14 635 418	15 384 283	5,1
-Publishing	1,51	101,2	86,2	-14,8	4 692 516	4 307 360	-8,2
-Printing, recorded media	1,87	90,9	85,5	-5,9	5 723 649	5 736 289	0,2
Petroleum, chemical products, rubber and plastic products	22,13	104,4	103,7	-0,7	109 330 113	106 668 235	-2,4
-Coke, petroleum products and nuclear fuel	7,77	102,5	93,5	-8,8	47 587 675	41 994 712	-11,8
-Basic chemicals	3,81	109,5	111,7	2,0	21 873 933	21 584 207	-1,3
-Other chemical products	6,49	105,5	113,2	7,3	23 259 490	26 432 090	13,6
-Rubber products	1,00	107,7	106,6	-1,0	4 306 150	4 260 169	-1,1
-Plastic products	3,06	99,5	98,5	-1,0	12 302 865	12 397 057	0,8
Glass and non-metallic mineral products	3,91	98,2	97,9	-0,3	13 451 949	13 642 082	1,4
-Glass and glass products	0,78	77,6	83,1	7,1	1 945 449	2 122 498	9,1
-Non-metallic mineral products	3,13	103,4	101,5	-1,8	11 506 500	11 519 584	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	107,5	104,2	-3,1	98 941 206	100 930 719	2,0
-Basic iron and steel products	3,38	99,4	97,1	-2,3	31 299 604	30 260 106	-3,3
-Non-ferrous metal products	3,18	110,3	100,1	-9,2	20 874 387	21 768 426	4,3
-Structural metal products	1,89	83,8	81,8	-2,4	8 211 115	8 770 031	6,8
-Other fabricated metal products	4,40	122,5	121,0	-1,2	15 071 713	15 986 611	6,1
-General purpose machinery	2,44	88,8	82,7	-6,9	8 290 213	8 121 904	-2,0
-Special purpose machinery	3,44	113,6	117,2	3,2	12 386 505	13 268 059	7,1
-Household appliances	0,86	132,5	120,1	-9,4	2 807 669	2 755 582	-1,9
Electrical machinery	1,70	105,2	104,4	-0,8	12 811 257	13 438 182	4,9
Radio, television and communication apparatus and professional equipment	1,41	137,4	120,1	-12,6	5 009 365	4 504 062	-10,1
-Radio, television and communication apparatus	0,90	156,2	125,1	-19,9	2 991 496	2 371 980	-20,7
-Professional equipment	0,51	103,9	111,2	7,0	2 017 869	2 132 082	5,7
Motor vehicles, parts and accessories and other transport equipment	7,39	105,5	114,3	8,3	52 749 986	57 280 696	8,6
-Motor vehicles	2,98	119,6	139,3	16,5	29 449 192	31 728 364	7,7
-Bodies for motor vehicles, trailers and semi-trailers	0,43	109,0	125,0	14,7	2 295 897	2 550 271	11,1
-Parts and accessories	2,77	95,1	94,2	-0,9	15 772 249	17 472 372	10,8
-Other transport equipment	1,21	93,0	95,2	2,4	5 232 648	5 529 689	5,7
Furniture and other manufacturing division	3,61	91,5	87,2	-4,7	14 571 895	14 436 178	-0,9
-Furniture	1,08	109,8	101,0	-8,0	3 681 714	3 751 520	1,9
-Other manufacturing groups	2,53	83,7	81,4	-2,7	10 890 181	10 684 658	-1,9
Total	100,00	104,1	104,3	0,2	443 318 972	456 502 376	3,0

Table 10 – Annual percentage change in the cumulative physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights 2012	Indices (base: 2010=100)				Value of sales (R million)			
		Jan. to May 2014	Jan. to May 2015	Annual % change between Jan. to May 2014 and Jan. to May 2015	Contribution (% points)	Jan. to May 2014	Jan. to May 2015	Annual % change between Jan. to May 2014 and Jan. to May 2015	Difference in sales between Jan. to May 2014 and Jan. to May 2015
Food and beverages	24,44	101,5	103,9	2,4	0,6	150 051	160 419	6,9	10 368
-Meat, fish, fruit, etc.	5,39	108,3	112,9	4,2	0,2	40 158	42 979	7,0	2 821
-Dairy products	1,78	101,9	108,6	6,6	0,1	13 046	14 947	14,6	1 901
-Grain mill products	2,86	102,1	99,4	-2,6	-0,1	26 099	25 439	-2,5	-660
-Other food products	7,73	95,3	94,4	-0,9	-0,1	31 295	33 254	6,3	1 959
-Beverages	6,68	102,8	108,5	5,5	0,4	39 454	43 801	11,0	4 347
Textiles, clothing, leather and footwear	3,17	92,2	92,9	0,8	0,0	19 314	19 816	2,6	502
-Textiles	0,74	81,0	85,8	5,9	0,0	2 556	2 723	6,5	167
-Other textile products	0,47	92,2	90,9	-1,4	0,0	4 865	5 004	2,9	139
-Knitted, crocheted articles	0,10	63,3	53,9	-14,8	0,0	1 102	964	-12,5	-138
-Wearing apparel	1,19	93,2	92,9	-0,3	0,0	6 336	6 588	4,0	252
-Leather and leather products	0,28	125,8	123,4	-1,9	0,0	2 818	2 815	-0,1	-3
-Footwear	0,39	94,2	96,5	2,4	0,0	1 635	1 723	5,4	88
Wood and wood products, paper, publishing and printing	12,65	98,3	96,8	-1,5	-0,2	51 573	53 420	3,6	1 847
-Sawmilling and planing of wood	1,83	109,4	124,8	14,1	0,3	4 112	4 784	16,3	672
-Products of wood	2,55	94,1	98,0	4,1	0,1	7 070	7 493	6,0	423
-Paper and paper products	4,89	99,4	94,4	-5,0	-0,2	23 393	24 691	5,5	1 298
-Publishing	1,51	98,2	84,6	-13,8	-0,2	7 618	7 062	-7,3	-556
-Printing, recorded media	1,87	90,2	84,0	-6,9	-0,1	9 379	9 390	0,1	11
Petroleum, chemical products, rubber and plastic products	22,13	104,2	103,2	-1,0	-0,2	180 714	169 117	-6,4	-11 597
-Coke, petroleum products and nuclear fuel	7,77	102,5	97,7	-4,7	-0,4	78 739	66 116	-16,0	-12 623
-Basic chemicals	3,81	108,8	106,8	-1,8	-0,1	37 130	34 122	-8,1	-3 008
-Other chemical products	6,49	104,9	111,5	6,3	0,4	37 523	42 052	12,1	4 529
-Rubber products	1,00	110,4	102,5	-7,2	-0,1	7 110	6 731	-5,3	-379
-Plastic products	3,06	99,3	95,2	-4,1	-0,1	20 211	20 096	-0,6	-115
Glass and non-metallic mineral products	3,91	94,8	92,3	-2,6	-0,1	21 395	21 397	0,0	2
-Glass and glass products	0,78	82,3	83,2	1,1	0,0	3 339	3 497	4,7	158
-Non-metallic mineral products	3,13	97,9	94,5	-3,5	-0,1	18 056	17 900	-0,9	-156
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	103,0	101,0	-1,9	-0,4	158 725	161 885	2,0	3 160
-Basic iron and steel products	3,38	96,7	99,0	2,4	0,1	51 194	49 952	-2,4	-1 242
-Non-ferrous metal products	3,18	108,3	97,5	-10,0	-0,3	33 886	35 238	4,0	1 352
-Structural metal products	1,89	82,8	78,7	-5,0	-0,1	13 488	13 802	2,3	314
-Other fabricated metal products	4,40	116,7	116,4	-0,3	0,0	23 780	25 081	5,5	1 301
-General purpose machinery	2,44	84,9	79,6	-6,2	-0,1	13 099	13 015	-0,6	-84
-Special purpose machinery	3,44	104,9	109,9	4,8	0,2	18 938	20 367	7,5	1 429
-Household appliances	0,86	125,3	117,9	-5,9	-0,1	4 341	4 429	2,0	88
Electrical machinery	1,70	99,9	98,5	-1,4	0,0	20 858	21 574	3,4	716
Radio, television and communication apparatus and professional equipment	1,41	130,4	111,8	-14,3	-0,3	7 927	7 019	-11,5	-908
-Radio, television and communication apparatus	0,90	148,1	117,2	-20,9	-0,3	4 762	3 716	-22,0	-1 046
-Professional equipment	0,51	98,8	102,2	3,4	0,0	3 164	3 303	4,4	139
Motor vehicles, parts and accessories and other transport equipment	7,39	105,2	110,1	4,7	0,4	86 237	91 470	6,1	5 233
-Motor vehicles	2,98	121,6	134,8	10,9	0,4	48 231	50 464	4,6	2 233
-Bodies for motor vehicles, trailers and semi-trailers	0,43	102,7	113,5	10,5	0,0	3 534	3 858	9,2	324
-Parts and accessories	2,77	93,9	91,3	-2,8	-0,1	25 944	28 403	9,5	2 459
-Other transport equipment	1,21	91,8	91,2	-0,7	0,0	8 528	8 745	2,5	217
Furniture and other manufacturing division	3,61	92,0	86,8	-5,7	-0,2	23 106	23 071	-0,2	-35
-Furniture	1,08	100,7	95,7	-5,0	-0,1	5 579	5 842	4,7	263
-Other manufacturing groups	2,53	88,3	83,0	-6,0	-0,1	17 528	17 228	-1,7	-300
Total	100,00	101,7	101,4	-0,3	-0,3	719 899	729 186	1,3	9 287

1/ The contribution (percentage points) of a major group or division is calculated by multiplying the difference in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. Figures have been rounded off.

Explanatory notes

- Introduction**
- 1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4 below). The release contains monthly indices of the physical volume of manufacturing production and monthly value of sales of manufactured products by divisions and major groups within manufacturing.
 - 2 In accordance with international practice, the indices are re-based every five years to a new base year. The base period of the index is 2010. Both estimated and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the latest month had to be estimated for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information becomes available.
 - 4 As indicated earlier, Stats SA is continuously upgrading its BR, based on units registered for value added tax (VAT) and income tax (IT), obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate indices of the physical volume of manufacturing production. These indices provide an indicator of the real level of manufacturing activity in the economy. They are used in monitoring the state of the economy and formulation of economic policy. They are also important inputs to estimation of the gross domestic product (GDP).
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
 - the manufacturing, processing, making or packing of products;
 - the slaughtering of animals, including poultry; and
 - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of all Economic Activities* (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities* (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
- Collection rate**
- 9 The preliminary collection rate for the survey on manufacturing production and sales for May 2015 was 88,5%. The improved collection rate for April 2015 was 91,2%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the 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.

Survey methodology and design

- 11 The survey is conducted monthly. Questionnaires are sent to a sample of 3 000 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 non-respondents.
- 12 The value of sales of manufactured products is obtained monthly from the sample of 3 000 enterprises, which was drawn in April 2014 from a population then of 45 405 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, and for size groups three and four (small) 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.
- 13 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the Production Price Index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 14 More direct indicators are used for the value of production of 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 physical 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).

Weighting methodology

- 15 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.
- 16 For indices, a weight is calculated for every major group according to the value added of the major group relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent large sample survey of the manufacturing industry or national accounts value added weights. For the period 2001 to 2004, the weights are based on the 2001 large sample survey of the manufacturing industry (LSS), for the period 2005 to 2009, the weights are based on the 2005 LSS, for the period 2010 the weights are based on national accounts value added data for 2010, for the period 2011 the weights are based on national accounts value added data for 2011 and for the period 2012 to 2015, the weights are based on national accounts value added data of 2012. Weights between LSS / national accounts years are fixed. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total physical volume of manufacturing production (see Table F for the fixed weights which were used for the three periods 2010, 2011 and 2012 to 2015).

- Seasonal adjustment** 17 Seasonally adjusted estimates are generated each month using the X-12 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be recognised more clearly. Seasonal adjustment does not aim to remove irregular or non-seasonal influences which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series, even after adjustment for seasonal variations. Therefore, the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour. The X-12-ARIMA procedure for manufacturing production and sales is described in more detail on the Stats SA website: [Click to Download Seasonal adjustment Manufacturing January 2015](#)
- Trend cycle** 18 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 cycle.
- Reliability of estimates** 19 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.
- 20 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.
- Revised figures** 21 Revised figures are due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures are indicated in the relevant tables. Data are edited at the enterprise level.
- Related publications** 22 Users may also wish to refer to the following publications available from Stats SA:
- *Bulletin of Statistics*, issued quarterly; and
 - *South African Statistics*, issued annually.
- Rounding-off of figures** 23 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.
- Symbols and abbreviations** 24
- | | |
|----------|---|
| BR | Business Register |
| GDP | Gross domestic product |
| ISIC | International Standard Industrial Classification |
| LSS | Large sample survey |
| m | Million |
| SIC | Standard Industrial Classification of all Economic Activities |
| SARS | South African Revenue Service |
| Stats SA | Statistics South Africa |
| VAT | Value added tax |
| * | Revised figures |

Technical notes

26 Neyman optimal allocation

Before drawing a sample in the survey the population of enterprises on the BSF was stratified. Strata were formed using a combination of Standard Industrial Classification variable and the measure of size variable for enterprises. The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below.

$$n_h = n * (N_h * S_h) / [\sum (N_i * S_i)].$$

Class limits: Manufacturing (Rand)

Enterprise size	Lower limits	Upper limits
Very small	1 633 746	15 000 000
Small	15 000 001	39 000 000
Medium	39 000 001	153 000 000
Large	153 000 001	

Glossary

Enterprise	An 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.
Index of physical volume of manufacturing production	The index of physical 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 base period is 2010. The production in the base period is set at 100.
Industry	An industry consists of a group of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts</i> (SNA) in the same way as in the 1993 <i>Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).
Intermediate consumption	<p>Intermediate consumption includes:</p> <ul style="list-style-type: none"> • purchases and transfers-in of materials; • payments to other establishments for work done; • other direct factory costs; • rent and leasing paid; • head office charges; • royalties, copyright, trade names and patent rights paid; • advertising; • insurance premiums; • services; and • secretarial and administrative fees.
Output	<p>Output is the aggregate value of goods manufactured and work done and includes:</p> <ul style="list-style-type: none"> • sales and transfers-out of own manufactures, factory waste and stocks of factored goods; • repairs; • installation, erection and assembly; • sundry trading revenue; • sales of factored goods minus purchases of factored goods; • rent and leasing received; • royalties received; • difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods; • head office charges; and • other revenue. <p>Output excludes excise and customs duty paid.</p>
Value added	Value added is the value of output less intermediate consumption. It represents the value added to the cost of the materials used in the process of production.
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.
Turnover	<p>Turnover refers to:</p> <ul style="list-style-type: none"> • the value of sales and transfers out of all own manufactured products/articles; • amounts received for work done; and • amounts received for services rendered.

Turnover excludes:

- value added tax (VAT);
- export freight charges; and
- excise duty.

Weight

The weight of a major group of manufacturing in the overall index for manufacturing is the ratio of the value added of the major group (i.e. output of a major group minus intermediate consumption) to the total value added of the manufacturing industry. The weight reflects the importance of the major group in the total. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights need to be calculated from time to time.

Table D – Weights according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights according to national accounts value added		
	2010	2011	2012 – 2015
Food and beverages	22,08	23,82	24,44
Meat, fish, fruit, etc.	4,41	5,19	5,39
Dairy products	2,22	2,30	1,78
Grain mill products	2,71	2,78	2,86
Other food products	6,34	7,12	7,73
Beverages	6,40	6,43	6,68
Textiles, clothing, leather and footwear	3,45	2,92	3,17
Textiles	0,68	0,84	0,74
Other textile products	0,43	0,39	0,47
Knitted, crocheted articles	0,08	0,08	0,10
Wearing apparel	1,55	0,99	1,19
Leather and leather products	0,22	0,19	0,28
Footwear	0,49	0,43	0,39
Wood and wood products, paper, publishing and printing	9,30	9,46	12,65
Sawmilling and planing of wood	0,82	0,82	1,83
Products of wood	1,66	1,76	2,55
Paper and paper products	3,18	3,26	4,89
Publishing	1,45	1,45	1,51
Printing, recorded media	2,19	2,17	1,87
Petroleum, chemical products, rubber and plastic products	25,13	22,52	22,13
Coke, petroleum products and nuclear fuel	7,97	6,32	7,77
Basic chemicals	5,81	4,85	3,81
Other chemical products	7,39	7,06	6,49
Rubber products	1,19	1,18	1,00
Plastic products	2,77	3,11	3,06
Glass and non-metallic mineral products	4,91	4,42	3,91
Glass and glass products	0,80	0,89	0,78
Non-metallic mineral products	4,11	3,53	3,13
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,30	20,40	19,59
Basic iron and steel products	4,42	4,71	3,38
Non-ferrous metal products (including precious metals)	3,44	3,46	3,18
Structural metal products	1,87	2,21	1,89
Other fabricated metal products	3,84	3,89	4,40
General purpose machinery	2,36	2,44	2,44
Special purpose machinery	3,48	3,04	3,44
Household appliances	0,89	0,65	0,86
Electrical machinery	2,44	2,37	1,70
Radio, television and communication apparatus and professional equipment	1,32	1,45	1,41
Radio, television and communication apparatus	0,77	0,88	0,90
Professional equipment	0,55	0,57	0,51
Motor vehicles, parts and accessories and other transport equipment	7,89	8,58	7,39
Motor vehicles	3,21	3,84	2,98
Bodies for motor vehicles, trailers and semi-trailers	0,64	0,53	0,43
Parts and accessories	2,88	3,00	2,77
Other transport equipment	1,16	1,21	1,21
Other manufacturing divisions	3,18	4,06	3,61
Furniture	0,94	1,05	1,08
Other manufacturing groups	2,24	3,01	2,53
Total	100	100	100

General information

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

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