



The South Africa I know, the home I understand

Statistical release

P3041.2

Manufacturing: Production and sales (Preliminary)

April 2015

Embargoed until:
11 June 2015
13:00

Enquiries:

Nicolai Claassen
Tel: (012) 310 8249

Forthcoming issue:

May 2015

Expected release date

9 July 2015

Contents

Key figures for April 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 April 2015

Table A – Manufacturing production and sales

Estimates	April 2015	% change between April 2014 and April 2015	% change between February to April 2014 and February to April 2015	% change between January to April 2014 and January to April 2015
Physical volume of manufacturing production index (base: 2010=100)	98,5	-2,0	0,7	-0,1
Total estimated sales of manufactured products (R million)	141 801	-1,3	1,1	0,7

Seasonally adjusted estimates	April 2015	% change between March and April 2015	% change between November 2014 to January 2015 and February to April 2015
Physical volume of manufacturing production index (base: 2010=100)	106,2	-2,0	0,1
Total value of sales of manufactured products (R million)	151 452	-2,7	-1,0

Manufacturing production decreased by 2,0% in April 2015 compared with April 2014.

The 2,0% year-on-year decrease in manufacturing production in April 2015 was mainly due to lower production in the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (-4,5% and contributing -0,9 of a percentage point);
- petroleum, chemical products, rubber and plastic products (-2,8% and contributing -0,6 of a percentage point);
- radio, television and communication apparatus and professional equipment (-15,3% and contributing -0,3 of a percentage point); and
- wood and wood products, paper, publishing and printing (-2,3% and contributing -0,3 of a percentage point) (see Table 4b).

Seasonally adjusted manufacturing production increased by 0,1% in the three months ended April 2015 compared with the previous three months. Four of the ten manufacturing divisions reported positive growth rates over this period.

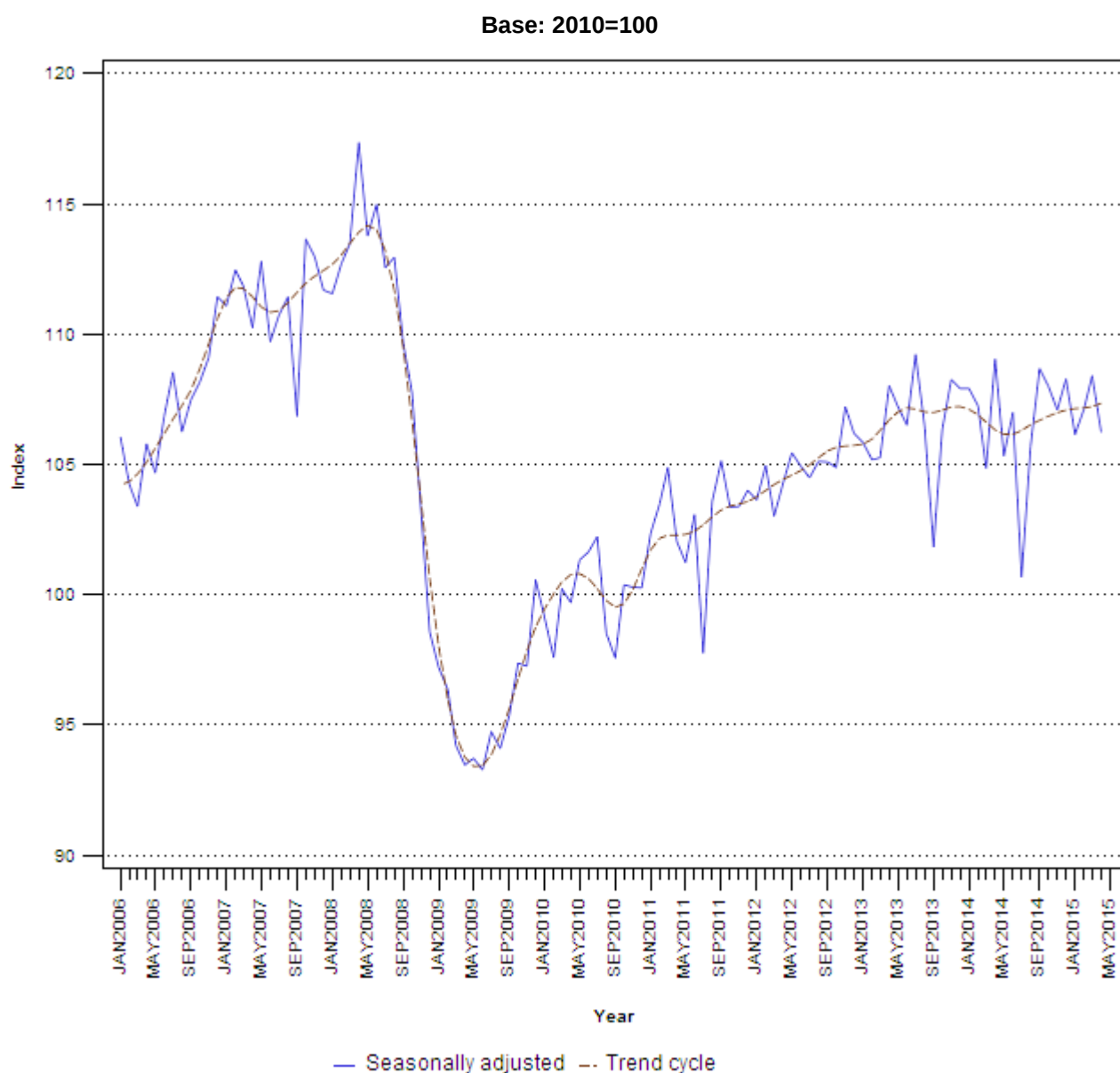
The largest positive contribution to the increase of 0,1% was made by the motor vehicles, parts and accessories and other transport equipment division (6,3% and contributing 0,5 of a percentage point) (see Table B).

The largest negative contribution was made by the petroleum, chemical products, rubber and plastic products division (-3,1% and contributing -0,7 of a percentage point).

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 November 2014 to January 2015	Average seasonally adjusted production index for February to April 2015	Quarterly % change of February to April 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	111,8	112,7	0,8	0,2
-Meat, fish, fruit, etc.	5,39	117,5	119,5	1,7	0,1
-Dairy products	1,78	112,5	108,2	-3,8	-0,1
-Grain mill products	2,86	102,7	103,2	0,5	0,0
-Other food products	7,73	108,3	107,8	-0,5	0,0
-Beverages	6,68	114,9	118,1	2,8	0,2
Textiles, clothing, leather and footwear	3,17	98,5	98,0	-0,5	0,0
-Textiles	1,21	89,4	88,6	-0,9	0,0
-Wearing apparel	1,29	97,8	98,2	0,4	0,0
-Leather and leather products	0,28	124,4	122,3	-1,7	0,0
-Footwear	0,39	107,4	107,9	0,5	0,0
Wood and wood products, paper, publishing and printing	12,65	103,8	103,2	-0,6	-0,1
-Wood and products of wood	4,38	105,2	112,6	7,0	0,3
-Paper and paper products	4,89	104,8	100,2	-4,4	-0,2
-Publishing and printing	3,38	97,8	92,4	-5,5	-0,2
Petroleum, chemical products, rubber and plastic products	22,13	110,6	107,2	-3,1	-0,7
-Coke, petroleum products and nuclear fuel	7,77	107,7	99,7	-7,4	-0,6
-Basic chemicals	3,81	114,3	111,3	-2,6	-0,1
-Other chemical products	6,49	117,0	117,1	0,1	0,0
-Rubber products	1,00	104,1	98,5	-5,4	-0,1
-Plastic products	3,06	101,5	102,8	1,3	0,0
Glass and non-metallic mineral products	3,91	94,1	99,0	5,2	0,2
-Glass and glass products	0,78	90,3	92,5	2,4	0,0
-Non-metallic mineral products	3,13	95,0	100,7	6,0	0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	104,1	105,2	1,1	0,2
-Basic iron and steel products	3,38	101,4	97,9	-3,5	-0,1
-Non-ferrous metal products	3,18	98,3	99,9	1,6	0,0
-Fabricated metal products	6,29	105,6	109,4	3,6	0,2
-Machinery and equipment	6,74	103,1	103,7	0,6	0,0
Electrical machinery	1,70	106,3	101,6	-4,4	-0,1
Radio, television and communication apparatus and professional equipment	1,41	130,4	122,6	-6,0	-0,1
-Radio, television and communication apparatus	0,90	146,7	132,0	-10,0	-0,1
-Professional equipment	0,51	101,4	105,9	4,4	0,0
Motor vehicles, parts and accessories and other transport equipment	7,39	108,3	115,1	6,3	0,5
-Motor vehicles	2,98	131,5	140,1	6,5	0,2
-Bodies for motor vehicles, trailers and semi-trailers	0,43	107,8	120,5	11,8	0,1
-Parts and accessories	2,77	89,5	94,0	5,0	0,1
-Other transport equipment	1,21	94,6	99,6	5,3	0,1
Furniture and other manufacturing division	3,61	94,4	94,2	-0,2	0,0
-Furniture	1,08	110,7	110,0	-0,6	0,0
-Other manufacturing groups	2,53	87,4	87,3	-0,1	0,0
Total	100,00	107,2	107,3	0,1	0,1

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.

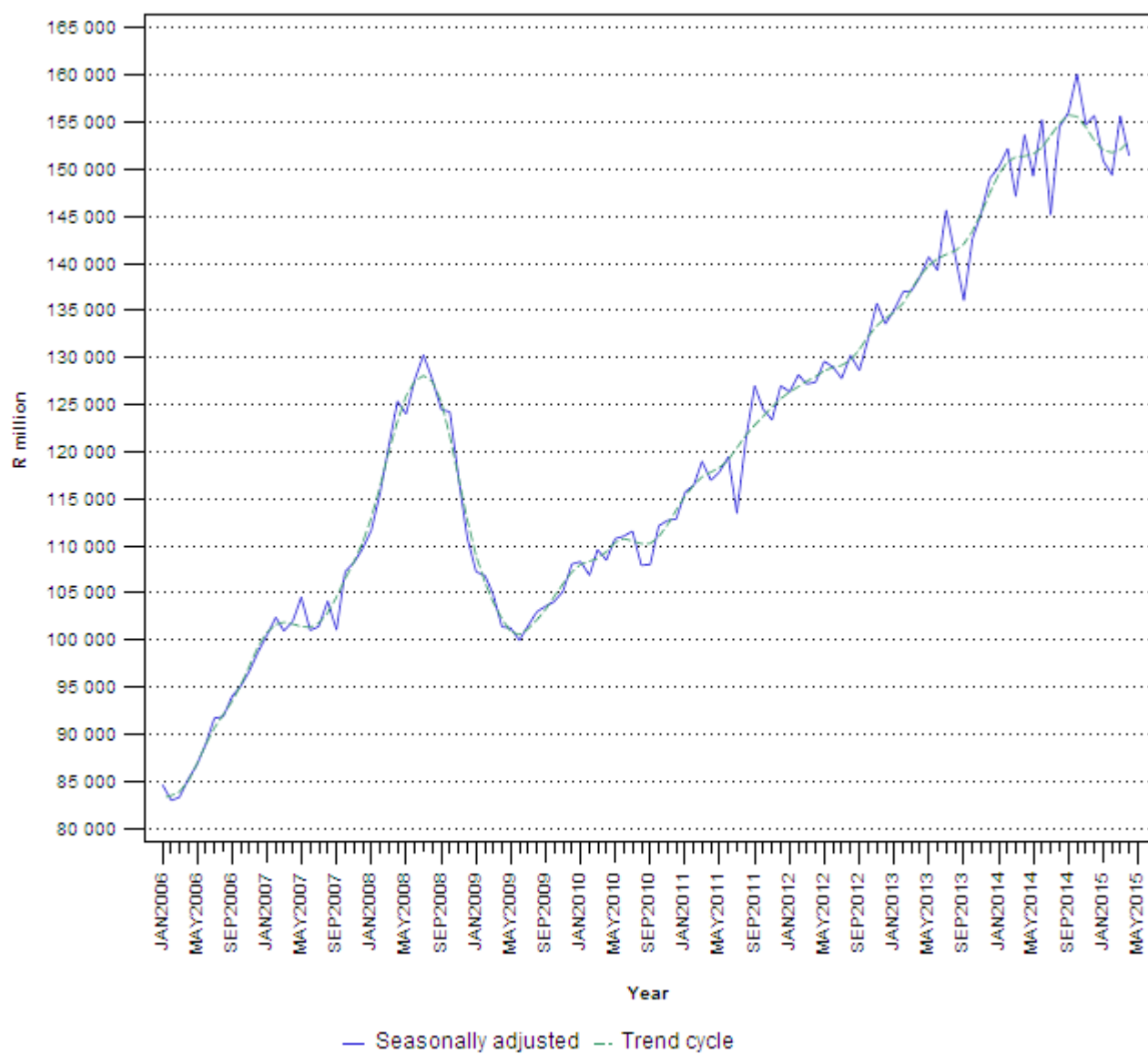
Figure 1 – Index of the physical volume of manufacturing production: 2006 – 2015

Seasonally adjusted sales of manufactured products (at current prices) decreased by 1,0% (-R4 810 million) in the three months ended April 2015 compared with the previous three months.

The largest negative contribution to the decrease was made by the petroleum, chemical products, rubber and plastic products division (-5,1% or -R5 647 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 November 2014 to January 2015	Seasonally adjusted sales February to April 2015	% change between November 2014 to January 2015 and February to April 2015	Difference in seasonally adjusted sales of manufacturing divisions between November 2014 to January 2015 and February to April 2015
	R'000	R'000	%	R'000
Food and beverages	100 605 991	101 880 246	1,3	1 274 255
-Food and food products	72 868 945	73 453 431	0,8	584 486
-Beverages	27 737 047	28 426 815	2,5	689 768
Textiles, clothing, leather and footwear	12 644 821	12 443 068	-1,6	-201 753
-Textiles	4 772 568	4 722 704	-1,0	-49 864
-Wearing apparel	4 995 756	4 841 208	-3,1	-154 548
-Leather and leather products	1 663 848	1 691 830	1,7	27 982
-Footwear	1 212 650	1 187 326	-2,1	-25 324
Wood and wood products, paper, publishing and printing	34 555 906	34 817 048	0,8	261 142
-Wood and products of wood	7 292 427	7 903 295	8,4	610 868
-Paper and paper products	15 867 348	16 020 644	1,0	153 296
-Publishing and printing	11 396 130	10 893 110	-4,4	-503 020
Petroleum, chemical products, rubber and plastic products	110 582 347	104 935 485	-5,1	-5 646 862
-Coke, petroleum products and nuclear fuel	43 762 983	40 087 009	-8,4	-3 675 974
-Basic chemicals	23 518 721	20 887 855	-11,2	-2 630 866
-Other chemical products	26 112 796	26 840 208	2,8	727 412
-Rubber products	4 021 962	4 063 623	1,0	41 661
-Plastic products	13 165 885	13 056 790	-0,8	-109 095
Glass and non-metallic mineral products	13 444 417	13 916 457	3,5	472 040
-Glass and glass products	2 319 320	2 420 839	4,4	101 519
-Non-metallic mineral products	11 125 097	11 495 618	3,3	370 521
Basic iron and steel, non-ferrous metal products, metal products and machinery	100 184 709	100 059 370	-0,1	-125 339
-Basic iron and steel products	30 685 455	29 321 403	-4,4	-1 364 052
-Non-ferrous metal products	22 097 369	22 202 036	0,5	104 667
-Fabricated metal products	23 591 690	24 525 218	4,0	933 528
-Machinery and equipment	23 810 194	24 010 712	0,8	200 518
Electrical machinery	14 156 488	13 610 235	-3,9	-546 253
Radio, television and communication apparatus and professional equipment	4 953 655	4 596 607	-7,2	-357 048
-Radio, television and communication apparatus	2 921 428	2 524 802	-13,6	-396 626
-Professional equipment	2 032 228	2 071 805	1,9	39 577
Motor vehicles, parts and accessories and other transport equipment	54 891 219	55 604 640	1,3	713 421
-Motor vehicles, trailers, parts and accessories	49 540 068	49 927 687	0,8	387 619
-Other transport equipment	5 351 151	5 676 953	6,1	325 802
Furniture and other manufacturing division	15 313 328	14 659 514	-4,3	-653 814
-Furniture	3 979 366	4 030 572	1,3	51 206
-Other manufacturing groups	11 333 962	10 628 943	-6,2	-705 019
Total	461 332 882	456 522 672	-1,0	-4 810 210

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

PJ Lehohla
Statistician-General

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	1/ 101,8
Mar	97,6	103,8	109,3	106,2	104,7	106,2	1/ 110,4
Apr	86,6	93,4	93,4	95,2	101,8	100,5	1/ 98,5
May	94,2	100,6	101,6	106,9	108,9	105,5	
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	-2,0
May	-18,4	6,8	1,0	5,2	1,9	-3,1	
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	102,4	103,6	105,8	107,9	106,1
Feb	96,4	97,6	103,5	105,0	105,2	107,2	107,1
Mar	94,2	100,2	104,9	103,0	105,3	104,9	108,4
Apr	93,5	99,7	102,0	104,3	108,0	109,0	106,2
May	93,7	101,3	101,2	105,4	107,2	105,3	
Jun	93,3	101,6	103,1	104,9	106,5	107,0	
Jul	94,7	102,2	97,8	104,5	109,2	100,7	
Aug	94,1	98,5	103,6	105,1	106,5	105,7	
Sep	95,4	97,6	105,1	105,1	101,8	108,7	
Oct	97,4	100,4	103,4	104,9	106,3	108,0	
Nov	97,3	100,3	103,4	107,2	108,3	107,1	
Dec	100,6	100,3	104,0	106,2	107,9	108,3	

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		
			April 2014	1/ March 2015	1/ April 2015	April 2014	March 2015	April 2015
Food and beverages	24,44	110,3	103,9	110,1	103,9	110,5	113,1	111,7
-Meat, fish, fruit, etc.	5,39	115,2	110,6	128,3	116,2	113,6	120,1	120,4
-Dairy products	1,78	107,4	99,9	108,4	99,5	106,4	109,4	107,2
-Grain mill products	2,86	105,2	101,2	107,1	96,9	106,8	103,0	102,8
-Other food products	7,73	106,8	109,1	94,2	102,0	111,2	107,7	103,2
-Beverages	6,68	113,3	94,6	115,7	100,3	109,9	118,8	119,6
Textiles, clothing, leather and footwear	3,17	97,1	95,0	104,6	93,8	98,3	100,9	96,2
-Textiles	0,74	82,0	81,1	97,4	84,4	82,9	90,7	85,5
-Other textile products	0,47	96,0	90,5	94,9	86,9	99,2	92,8	92,0
-Knitted, crocheted articles	0,10	56,9	67,6	60,2	53,6	64,5	50,9	50,5
-Wearing apparel	1,19	101,5	97,3	110,6	97,0	99,0	106,8	98,7
-Leather and leather products	0,28	123,1	127,6	129,4	120,2	131,7	121,2	123,7
-Footwear	0,39	105,0	103,7	104,6	101,5	108,5	109,8	105,9
Wood and wood products, paper, publishing and printing	12,65	104,2	95,3	106,0	93,1	107,8	103,7	103,3
-Sawmilling and planing of wood	1,83	114,1	107,0	131,2	120,5	114,1	124,8	126,1
-Products of wood	2,55	100,4	97,4	109,4	103,7	102,9	107,3	107,9
-Paper and paper products	4,89	103,7	93,8	104,3	89,7	105,1	99,8	100,6
-Publishing	1,51	106,3	95,6	94,0	78,9	115,1	95,1	93,5
-Printing, recorded media	1,87	99,5	84,7	90,8	72,2	109,0	95,6	89,8
Petroleum, chemical products, rubber and plastic products	22,13	108,1	100,4	110,6	97,6	108,2	108,7	105,8
-Coke, petroleum products and nuclear fuel	7,77	102,5	100,4	99,6	89,0	105,5	99,8	95,0
-Basic chemicals	3,81	115,4	106,8	118,2	100,9	113,7	118,9	109,3
-Other chemical products	6,49	113,0	99,9	121,1	105,9	111,1	116,8	117,8
-Rubber products	1,00	105,2	87,6	115,3	95,0	99,2	104,1	100,2
-Plastic products	3,06	104,0	97,9	104,9	98,6	104,8	102,9	105,6
Glass and non-metallic mineral products	3,91	99,4	95,2	97,2	95,2	99,7	97,7	99,0
-Glass and glass products	0,78	89,8	73,5	83,4	81,0	83,5	93,3	92,2
-Non-metallic mineral products	3,13	101,7	100,6	100,6	98,7	103,7	98,7	100,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	103,8	103,4	114,1	98,7	109,1	106,7	103,2
-Basic iron and steel products	3,38	94,6	98,2	101,5	96,1	96,6	98,1	94,3
-Non-ferrous metal products	3,18	103,9	106,6	102,7	100,9	108,3	99,1	102,3
-Structural metal products	1,89	82,3	79,3	90,4	71,4	89,5	87,1	77,4
-Other fabricated metal products	4,40	120,5	119,3	133,0	115,0	128,2	128,2	123,2
-General purpose machinery	2,44	88,2	85,8	85,4	78,9	92,2	83,4	84,3
-Special purpose machinery	3,44	111,3	104,1	142,4	103,7	114,3	118,8	111,8
-Household appliances	0,86	114,8	130,2	129,9	112,8	134,3	119,8	114,0
Electrical machinery	1,70	102,3	98,1	115,6	92,4	103,8	103,5	97,8
Radio, television and communication apparatus and professional equipment	1,41	141,5	129,4	128,4	109,6	149,5	129,2	125,4
-Radio, television and communication apparatus	0,90	163,7	147,6	129,5	118,1	177,8	137,8	141,1
-Professional equipment	0,51	101,8	96,9	126,4	94,5	99,1	113,8	97,4
Motor vehicles, parts and accessories and other transport equipment	7,39	107,8	99,9	123,4	103,7	114,4	117,9	114,1
-Motor vehicles	2,98	128,6	115,5	144,8	125,3	136,5	139,5	142,7
-Bodies for motor vehicles, trailers and semi-trailers	0,43	107,2	102,9	128,6	121,6	108,2	124,0	122,0
-Parts and accessories	2,77	90,8	89,2	101,4	88,6	97,8	97,3	92,8
-Other transport equipment	1,21	95,5	84,7	119,3	78,7	100,3	109,8	89,7
Furniture and other manufacturing division	3,61	98,6	83,5	89,4	80,6	103,5	93,5	95,5
-Furniture	1,08	113,2	109,0	98,5	100,1	118,7	110,1	108,9
-Other manufacturing groups	2,53	92,3	72,6	85,5	72,2	97,0	86,4	89,7
Total	100,00	106,6	100,5	110,4	98,5	109,0	108,4	106,2

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		
			April 2014	1/ April 2015	% change between April 2014 and April 2015	March 2015	April 2015	% change between March and April 2015
Food and beverages	24,44	110,3	103,9	103,9	0,0	113,1	111,7	-1,2
-Meat, fish, fruit, etc.	5,39	115,2	110,6	116,2	5,1	120,1	120,4	0,2
-Dairy products	1,78	107,4	99,9	99,5	-0,4	109,4	107,2	-2,0
-Grain mill products	2,86	105,2	101,2	96,9	-4,2	103,0	102,8	-0,2
-Other food products	7,73	106,8	109,1	102,0	-6,5	107,7	103,2	-4,2
-Beverages	6,68	113,3	94,6	100,3	6,0	118,8	119,6	0,7
Textiles, clothing, leather and footwear	3,17	97,1	95,0	93,8	-1,3	100,9	96,2	-4,7
-Textiles	0,74	82,0	81,1	84,4	4,1	90,7	85,5	-5,7
-Other textile products	0,47	96,0	90,5	86,9	-4,0	92,8	92,0	-0,9
-Knitted, crocheted articles	0,10	56,9	67,6	53,6	-20,7	50,9	50,5	-0,8
-Wearing apparel	1,19	101,5	97,3	97,0	-0,3	106,8	98,7	-7,6
-Leather and leather products	0,28	123,1	127,6	120,2	-5,8	121,2	123,7	2,1
-Footwear	0,39	105,0	103,7	101,5	-2,1	109,8	105,9	-3,6
Wood and wood products, paper, publishing and printing	12,65	104,2	95,3	93,1	-2,3	103,7	103,3	-0,4
-Sawmilling and planing of wood	1,83	114,1	107,0	120,5	12,6	124,8	126,1	1,0
-Products of wood	2,55	100,4	97,4	103,7	6,5	107,3	107,9	0,6
-Paper and paper products	4,89	103,7	93,8	89,7	-4,4	99,8	100,6	0,8
-Publishing	1,51	106,3	95,6	78,9	-17,5	95,1	93,5	-1,7
-Printing, recorded media	1,87	99,5	84,7	72,2	-14,8	95,6	89,8	-6,1
Petroleum, chemical products, rubber and plastic products	22,13	108,1	100,4	97,6	-2,8	108,7	105,8	-2,7
-Coke, petroleum products and nuclear fuel	7,77	102,5	100,4	89,0	-11,4	99,8	95,0	-4,8
-Basic chemicals	3,81	115,4	106,8	100,9	-5,5	118,9	109,3	-8,1
-Other chemical products	6,49	113,0	99,9	105,9	6,0	116,8	117,8	0,9
-Rubber products	1,00	105,2	87,6	95,0	8,4	104,1	100,2	-3,7
-Plastic products	3,06	104,0	97,9	98,6	0,7	102,9	105,6	2,6
Glass and non-metallic mineral products	3,91	99,4	95,2	95,2	0,0	97,7	99,0	1,3
-Glass and glass products	0,78	89,8	73,5	81,0	10,2	93,3	92,2	-1,2
-Non-metallic mineral products	3,13	101,7	100,6	98,7	-1,9	98,7	100,7	2,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	103,8	103,4	98,7	-4,5	106,7	103,2	-3,3
-Basic iron and steel products	3,38	94,6	98,2	96,1	-2,1	98,1	94,3	-3,9
-Non-ferrous metal products	3,18	103,9	106,6	100,9	-5,3	99,1	102,3	3,2
-Structural metal products	1,89	82,3	79,3	71,4	-10,0	87,1	77,4	-11,1
-Other fabricated metal products	4,40	120,5	119,3	115,0	-3,6	128,2	123,2	-3,9
-General purpose machinery	2,44	88,2	85,8	78,9	-8,0	83,4	84,3	1,1
-Special purpose machinery	3,44	111,3	104,1	103,7	-0,4	118,8	111,8	-5,9
-Household appliances	0,86	114,8	130,2	112,8	-13,4	119,8	114,0	-4,8
Electrical machinery	1,70	102,3	98,1	92,4	-5,8	103,5	97,8	-5,5
Radio, television and communication apparatus and professional equipment	1,41	141,5	129,4	109,6	-15,3	129,2	125,4	-2,9
-Radio, television and communication apparatus	0,90	163,7	147,6	118,1	-20,0	137,8	141,1	2,4
-Professional equipment	0,51	101,8	96,9	94,5	-2,5	113,8	97,4	-14,4
Motor vehicles, parts and accessories and other transport equipment	7,39	107,8	99,9	103,7	3,8	117,9	114,1	-3,2
-Motor vehicles	2,98	128,6	115,5	125,3	8,5	139,5	142,7	2,3
-Bodies for motor vehicles, trailers and semi-trailers	0,43	107,2	102,9	121,6	18,2	124,0	122,0	-1,6
-Parts and accessories	2,77	90,8	89,2	88,6	-0,7	97,3	92,8	-4,6
-Other transport equipment	1,21	95,5	84,7	78,7	-7,1	109,8	89,7	-18,3
Furniture and other manufacturing division	3,61	98,6	83,5	80,6	-3,5	93,5	95,5	2,1
-Furniture	1,08	113,2	109,0	100,1	-8,2	110,1	108,9	-1,1
-Other manufacturing groups	2,53	92,3	72,6	72,2	-0,6	86,4	89,7	3,8
Total	100,00	106,6	100,5	98,5	-2,0	108,4	106,2	-2,0

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	1/ 143 300 546
Mar	109 741 940	115 312 858	126 114 741	133 201 183	137 659 315	151 399 659	1/ 161 188 059
Apr	93 988 030	101 813 278	108 002 905	117 398 378	133 362 802	143 701 281	1/ 141 801 077
May	100 539 504	109 347 265	117 550 156	130 161 819	141 170 742	148 218 032	
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

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	6,5
Apr	-22,7	8,3	6,1	8,7	13,6	7,8	-1,3
May	-19,5	8,8	7,5	10,7	8,5	5,0	
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	107 229 414	108 319 093	115 690 300	126 355 705	135 103 874	150 232 596	150 883 981
Feb	106 832 643	106 859 934	116 464 960	128 162 632	136 984 223	152 191 311	149 392 086
Mar	104 864 468	109 573 531	118 971 015	127 188 778	137 067 510	147 141 914	155 678 978
Apr	101 375 529	108 477 222	116 962 728	127 375 992	138 586 090	153 655 509	151 451 606
May	101 269 262	110 747 825	117 845 721	129 589 214	140 685 743	149 278 252	
Jun	99 954 103	111 018 123	119 434 886	128 985 318	139 251 063	155 239 378	
Jul	101 487 817	111 548 941	113 459 404	127 770 619	145 650 512	145 185 808	
Aug	102 981 955	107 915 884	121 209 033	130 227 910	140 913 507	154 515 573	
Sep	103 584 926	107 996 234	126 995 786	128 626 052	136 089 286	156 010 614	
Oct	104 062 787	112 116 307	124 487 206	131 929 693	142 613 499	160 111 622	
Nov	105 201 836	112 700 572	123 379 538	135 761 846	145 394 500	154 736 772	
Dec	108 051 058	112 844 318	127 001 262	133 581 156	149 041 050	155 712 127	

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		
		April 2014	1/ March 2015	1/ April 2015	April 2014	March 2015	April 2015
Food and beverages	391 872 556	30 733 951	34 259 116	32 031 855	32 442 067	34 268 846	34 308 622
-Meat, fish, fruit, etc.	105 017 475	8 258 615	9 823 310	8 743 379	8 703 910	9 335 993	9 323 433
-Dairy products	34 033 139	2 664 400	3 062 494	2 781 696	2 765 421	2 995 473	2 915 786
-Grain mill products	64 105 154	5 343 360	5 511 366	5 015 859	5 477 051	5 236 865	5 152 257
-Other food products	81 559 806	6 848 556	6 230 606	7 215 318	6 836 773	6 898 523	7 247 663
-Beverages	107 156 982	7 619 020	9 631 340	8 275 603	8 658 910	9 801 991	9 669 481
Textiles, clothing, leather and footwear	49 328 204	4 043 755	4 446 306	4 076 455	4 154 998	4 245 919	4 161 586
-Textiles	6 299 748	510 718	614 568	554 512	514 269	551 422	559 728
-Other textile products	12 250 299	1 020 685	1 076 972	993 401	1 052 939	1 048 707	1 023 689
-Knitted, crocheted articles	2 377 787	230 592	208 396	197 520	221 522	184 304	178 647
-Wearing apparel	17 006 477	1 341 862	1 562 536	1 402 406	1 372 404	1 499 475	1 437 222
-Leather and leather products	6 637 099	576 338	571 883	558 024	604 732	550 117	565 485
-Footwear	4 756 794	363 560	411 951	370 592	389 130	411 891	396 813
Wood and wood products, paper, publishing and printing	135 264 401	9 759 329	11 998 650	10 289 152	11 234 782	11 583 991	11 802 192
-Sawmilling and planing of wood	10 531 005	767 467	1 089 557	916 816	875 703	1 032 339	988 287
-Products of wood	18 266 905	1 524 521	1 680 177	1 592 238	1 623 854	1 624 720	1 685 617
-Paper and paper products	60 931 868	4 360 119	5 621 850	4 769 566	4 932 435	5 292 974	5 445 440
-Publishing	20 066 195	1 445 765	1 549 244	1 337 014	1 681 509	1 552 100	1 552 540
-Printing, recorded media	25 468 428	1 661 457	2 057 822	1 673 518	2 121 278	2 081 855	2 130 306
Petroleum, chemical products, rubber and plastic products	452 163 910	36 408 438	35 957 909	33 504 939	38 114 309	35 638 306	35 212 191
-Coke, petroleum products and nuclear fuel	186 481 975	16 536 907	13 489 605	13 431 870	16 406 384	13 794 142	13 311 469
-Basic chemicals	96 414 360	7 170 257	7 013 624	6 540 035	7 856 488	7 106 186	7 179 715
-Other chemical products	99 738 691	7 423 663	9 494 439	8 223 766	8 130 967	9 016 514	8 985 140
-Rubber products	16 956 761	1 223 677	1 568 275	1 294 394	1 342 968	1 357 899	1 387 222
-Plastic products	52 572 123	4 053 934	4 391 966	4 014 874	4 377 500	4 363 564	4 348 643
Glass and non-metallic mineral products	55 423 709	4 508 197	4 688 081	4 313 839	4 865 694	4 604 268	4 696 279
-Glass and glass products	9 305 728	658 668	695 269	697 566	754 735	810 742	822 062
-Non-metallic mineral products	46 117 981	3 849 529	3 992 812	3 616 273	4 110 958	3 793 525	3 874 217
Basic iron and steel, non-ferrous metal products, metal products and machinery	395 312 268	31 511 875	37 458 586	30 382 303	33 322 703	35 097 585	31 927 074
-Basic iron and steel products	121 988 751	10 386 966	11 631 534	8 638 922	10 567 931	11 078 514	8 767 910
-Non-ferrous metal products	87 121 151	6 497 839	7 621 953	6 917 222	6 882 244	7 553 030	7 328 037
-Structural metal products	32 806 793	2 567 133	3 282 177	2 481 045	2 836 873	3 072 358	2 624 657
-Other fabricated metal products	60 262 135	4 888 524	5 750 828	5 049 130	5 200 897	5 406 426	5 359 105
-General purpose machinery	33 776 613	2 564 265	2 803 588	2 536 865	2 798 833	2 740 697	2 768 161
-Special purpose machinery	49 171 560	3 783 975	5 325 297	3 940 008	4 133 779	4 318 075	4 210 801
-Household appliances	10 185 265	823 173	1 043 209	819 111	902 143	928 484	868 400
Electrical machinery	52 900 401	3 950 494	5 163 249	4 022 326	4 374 716	4 627 047	4 438 520
Radio, television and communication apparatus and professional equipment	20 551 669	1 512 662	1 662 727	1 326 825	1 719 799	1 618 027	1 519 862
-Radio, television and communication apparatus	12 655 287	903 697	889 700	694 983	1 057 540	921 269	832 208
-Professional equipment	7 896 382	608 965	773 027	631 842	662 259	696 757	687 653
Motor vehicles, parts and accessories and other transport equipment	221 207 072	16 446 056	20 845 065	17 070 878	18 381 501	19 102 394	18 469 171
-Motor vehicles	125 897 542	9 079 504	11 552 173	9 127 700	10 350 683	10 596 326	10 021 418
-Bodies for motor vehicles, trailers and semi-trailers	9 108 576	724 012	869 804	838 639	780 838	845 554	852 522
-Parts and accessories	64 796 794	5 048 442	6 129 147	5 578 449	5 375 507	5 579 388	5 872 796
-Other transport equipment	21 404 160	1 594 098	2 293 941	1 526 090	1 874 472	2 081 125	1 722 433
Furniture and other manufacturing division	60 410 474	4 826 524	4 708 370	4 782 505	5 044 936	4 892 590	4 916 104
-Furniture	15 470 377	1 229 582	1 207 867	1 216 711	1 357 252	1 355 836	1 331 588
-Other manufacturing groups	44 940 097	3 596 942	3 500 503	3 565 794	3 687 683	3 536 754	3 584 516
Total	1 834 434 664	143 701 281	161 188 059	141 801 077	153 655 509	155 678 978	151 451 606

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		
		April 2014	1/ April 2015	% change between April 2014 and April 2015	March 2015	April 2015	% change between March and April 2015
Food and beverages	391 872 556	30 733 951	32 031 855	4,2	34 268 846	34 308 622	0,1
-Meat, fish, fruit, etc.	105 017 475	8 258 615	8 743 379	5,9	9 335 993	9 323 433	-0,1
-Dairy products	34 033 139	2 664 400	2 781 696	4,4	2 995 473	2 915 786	-2,7
-Grain mill products	64 105 154	5 343 360	5 015 859	-6,1	5 236 865	5 152 257	-1,6
-Other food products	81 559 806	6 848 556	7 215 318	5,4	6 898 523	7 247 663	5,1
-Beverages	107 156 982	7 619 020	8 275 603	8,6	9 801 991	9 669 481	-1,4
Textiles, clothing, leather and footwear	49 328 204	4 043 755	4 076 455	0,8	4 245 919	4 161 586	-2,0
-Textiles	6 299 748	510 718	554 512	8,6	551 422	559 728	1,5
-Other textile products	12 250 299	1 020 685	993 401	-2,7	1 048 707	1 023 689	-2,4
-Knitted, crocheted articles	2 377 787	230 592	197 520	-14,3	184 304	178 647	-3,1
-Wearing apparel	17 006 477	1 341 862	1 402 406	4,5	1 499 475	1 437 222	-4,2
-Leather and leather products	6 637 099	576 338	558 024	-3,2	550 117	565 485	2,8
-Footwear	4 756 794	363 560	370 592	1,9	411 891	396 813	-3,7
Wood and wood products, paper, publishing and printing	135 264 401	9 759 329	10 289 152	5,4	11 583 991	11 802 192	1,9
-Sawmilling and planing of wood	10 531 005	767 467	916 816	19,5	1 032 339	988 287	-4,3
-Products of wood	18 266 905	1 524 521	1 592 238	4,4	1 624 720	1 685 617	3,7
-Paper and paper products	60 931 868	4 360 119	4 769 566	9,4	5 292 974	5 445 440	2,9
-Publishing	20 066 195	1 445 765	1 337 014	-7,5	1 552 100	1 552 540	-0,0
-Printing, recorded media	25 468 428	1 661 457	1 673 518	0,7	2 081 855	2 130 306	2,3
Petroleum, chemical products, rubber and plastic products	452 163 910	36 408 438	33 504 939	-8,0	35 638 306	35 212 191	-1,2
-Coke, petroleum products and nuclear fuel	186 481 975	16 536 907	13 431 870	-18,8	13 794 142	13 311 469	-3,5
-Basic chemicals	96 414 360	7 170 257	6 540 035	-8,8	7 106 186	7 179 715	1,0
-Other chemical products	99 738 691	7 423 663	8 223 766	10,8	9 016 514	8 985 140	-0,3
-Rubber products	16 956 761	1 223 677	1 294 394	5,8	1 357 899	1 387 222	2,2
-Plastic products	52 572 123	4 053 934	4 014 874	-1,0	4 363 564	4 348 643	-0,3
Glass and non-metallic mineral products	55 423 709	4 508 197	4 313 839	-4,3	4 604 268	4 696 279	2,0
-Glass and glass products	9 305 728	658 668	697 566	5,9	810 742	822 062	1,4
-Non-metallic mineral products	46 117 981	3 849 529	3 616 273	-6,1	3 793 525	3 874 217	2,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	395 312 268	31 511 875	30 382 303	-3,6	35 097 585	31 927 074	-9,0
-Basic iron and steel products	121 988 751	10 386 966	8 638 922	-16,8	11 078 514	8 767 910	-20,9
-Non-ferrous metal products	87 121 151	6 497 839	6 917 222	6,5	7 553 030	7 328 037	-3,0
-Structural metal products	32 806 793	2 567 133	2 481 045	-3,4	3 072 358	2 624 657	-14,6
-Other fabricated metal products	60 262 135	4 888 524	5 049 130	3,3	5 406 426	5 359 105	-0,9
-General purpose machinery	33 776 613	2 564 265	2 536 865	-1,1	2 740 697	2 768 161	1,0
-Special purpose machinery	49 171 560	3 783 975	3 940 008	4,1	4 318 075	4 210 801	-2,5
-Household appliances	10 185 265	823 173	819 111	-0,5	928 484	868 400	-6,5
Electrical machinery	52 900 401	3 950 494	4 022 326	1,8	4 627 047	4 438 520	-4,1
Radio, television and communication apparatus and professional equipment	20 551 669	1 512 662	1 326 825	-12,3	1 618 027	1 519 862	-6,1
-Radio, television and communication apparatus	12 655 287	903 697	694 983	-23,1	921 269	832 208	-9,7
-Professional equipment	7 896 382	608 965	631 842	3,8	696 757	687 653	-1,3
Motor vehicles, parts and accessories and other transport equipment	221 207 072	16 446 056	17 070 878	3,8	19 102 394	18 469 171	-3,3
-Motor vehicles	125 897 542	9 079 504	9 127 700	0,5	10 596 326	10 021 418	-5,4
-Bodies for motor vehicles, trailers and semi-trailers	9 108 576	724 012	838 639	15,8	845 554	852 522	0,8
-Parts and accessories	64 796 794	5 048 442	5 578 449	10,5	5 579 388	5 872 796	5,3
-Other transport equipment	21 404 160	1 594 098	1 526 090	-4,3	2 081 125	1 722 433	-17,2
Furniture and other manufacturing division	60 410 474	4 826 524	4 782 505	-0,9	4 892 590	4 916 104	0,5
-Furniture	15 470 377	1 229 582	1 216 711	-1,0	1 355 836	1 331 588	-1,8
-Other manufacturing groups	44 940 097	3 596 942	3 565 794	-0,9	3 536 754	3 584 516	1,4
Total	1 834 434 664	143 701 281	141 801 077	-1,3	155 678 978	151 451 606	-2,7

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)		
		Feb. to Apr. 2014	Feb. to Apr. 2015	% change between Feb. to Apr. 2014 and Feb. to Apr. 2015	Feb. to Apr. 2014	Feb. to Apr. 2015	% change between Feb. to Apr. 2014 and Feb. to Apr. 2015
Food and beverages	24,44	101,3	105,2	3,8	90 803 516	97 137 526	7,0
-Meat, fish, fruit, etc.	5,39	109,2	117,2	7,3	24 223 619	26 560 892	9,6
-Dairy products	1,78	100,3	102,1	1,8	7 759 414	8 529 122	9,9
-Grain mill products	2,86	100,8	99,0	-1,8	15 586 551	15 202 108	-2,5
-Other food products	7,73	96,2	96,0	-0,2	19 224 739	20 111 487	4,6
-Beverages	6,68	101,4	109,6	8,1	24 009 193	26 733 917	11,3
Textiles, clothing, leather and footwear	3,17	97,6	99,2	1,6	12 205 463	12 490 292	2,3
-Textiles	0,74	83,6	91,4	9,3	1 582 228	1 723 659	8,9
-Other textile products	0,47	96,1	93,6	-2,6	3 037 772	3 087 977	1,7
-Knitted, crocheted articles	0,10	68,6	55,5	-19,1	705 762	596 727	-15,4
-Wearing apparel	1,19	100,2	101,9	1,7	4 067 542	4 240 967	4,3
-Leather and leather products	0,28	130,9	126,0	-3,7	1 761 369	1 730 315	-1,8
-Footwear	0,39	101,9	104,0	2,1	1 050 790	1 110 647	5,7
Wood and wood products, paper, publishing and printing	12,65	100,6	98,7	-1,9	31 582 850	33 086 906	4,8
-Sawmilling and planing of wood	1,83	114,0	127,0	11,4	2 587 448	3 029 600	17,1
-Products of wood	2,55	97,8	103,2	5,5	4 415 929	4 725 938	7,0
-Paper and paper products	4,89	100,5	95,6	-4,9	14 267 052	15 299 410	7,2
-Publishing	1,51	101,1	86,7	-14,2	4 690 029	4 370 601	-6,8
-Printing, recorded media	1,87	90,6	82,9	-8,5	5 622 392	5 661 357	0,7
Petroleum, chemical products, rubber and plastic products	22,13	103,2	103,5	0,3	108 200 737	100 638 383	-7,0
-Coke, petroleum products and nuclear fuel	7,77	97,1	94,9	-2,3	46 275 263	38 358 041	-17,1
-Basic chemicals	3,81	108,6	105,4	-2,9	22 320 269	19 538 761	-12,5
-Other chemical products	6,49	106,7	114,1	6,9	22 771 903	25 994 804	14,2
-Rubber products	1,00	113,1	104,2	-7,9	4 452 862	4 242 200	-4,7
-Plastic products	3,06	101,5	100,1	-1,4	12 380 440	12 504 577	1,0
Glass and non-metallic mineral products	3,91	96,2	95,0	-1,2	13 196 766	13 358 657	1,2
-Glass and glass products	0,78	84,5	84,0	-0,6	2 027 126	2 128 717	5,0
-Non-metallic mineral products	3,13	99,1	97,7	-1,4	11 169 640	11 229 940	0,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	106,2	105,3	-0,8	97 921 124	100 614 238	2,8
-Basic iron and steel products	3,38	94,1	98,5	4,7	30 693 458	29 921 030	-2,5
-Non-ferrous metal products	3,18	107,4	98,9	-7,9	20 502 589	21 672 709	5,7
-Structural metal products	1,89	86,2	82,9	-3,8	8 509 563	8 771 563	3,1
-Other fabricated metal products	4,40	122,7	123,8	0,9	14 876 803	15 921 272	7,0
-General purpose machinery	2,44	90,2	82,4	-8,6	8 356 798	8 073 401	-3,4
-Special purpose machinery	3,44	112,4	119,2	6,0	12 320 477	13 414 894	8,9
-Household appliances	0,86	128,9	119,0	-7,7	2 661 436	2 839 369	6,7
Electrical machinery	1,70	105,9	102,8	-2,9	13 462 951	13 862 105	3,0
Radio, television and communication apparatus and professional equipment	1,41	130,7	118,5	-9,3	4 841 472	4 443 109	-8,2
-Radio, television and communication apparatus	0,90	145,0	124,2	-14,3	2 860 689	2 386 060	-16,6
-Professional equipment	0,51	105,1	108,3	3,0	1 980 783	2 057 049	3,9
Motor vehicles, parts and accessories and other transport equipment	7,39	106,7	113,0	5,9	54 596 732	56 264 910	3,1
-Motor vehicles	2,98	122,1	135,8	11,2	31 294 975	30 723 227	-1,8
-Bodies for motor vehicles, trailers and semi-trailers	0,43	106,8	121,2	13,5	2 232 803	2 493 677	11,7
-Parts and accessories	2,77	95,3	94,2	-1,2	15 775 246	17 451 065	10,6
-Other transport equipment	1,21	94,8	97,4	2,7	5 293 708	5 596 941	5,7
Furniture and other manufacturing division	3,61	94,7	88,9	-6,1	14 551 831	14 393 556	-1,1
-Furniture	1,08	104,6	100,5	-3,9	3 461 314	3 653 253	5,5
-Other manufacturing groups	2,53	90,5	83,9	-7,3	11 090 517	10 740 303	-3,2
Total	100,00	102,9	103,6	0,7	441 363 442	446 289 682	1,1

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 Apr. 2014	Jan. to Apr. 2015	Annual % change between Jan. to Apr. 2014 and Jan. to Apr. 2015	Contribution (% points)	Jan. to Apr. 2014	Jan. to Apr. 2015	Annual % change between Jan. to Apr. 2014 and Jan. to Apr. 2015	Difference in sales between Jan. to Apr. 2014 and Jan. to Apr. 2015
Food and beverages	24,44	100,5	102,7	2,2	0,5	119 037	127 110	6,8	8 073
-Meat, fish, fruit, etc.	5,39	106,8	112,4	5,2	0,3	31 435	34 061	8,4	2 626
-Dairy products	1,78	102,8	106,2	3,3	0,1	10 395	11 598	11,6	1 203
-Grain mill products	2,86	101,1	97,9	-3,2	-0,1	20 601	19 916	-3,3	-685
-Other food products	7,73	93,0	90,2	-3,0	-0,2	24 885	26 180	5,2	1 295
-Beverages	6,68	103,2	110,6	7,2	0,5	31 722	35 355	11,5	3 633
Textiles, clothing, leather and footwear	3,17	91,7	92,1	0,4	0,0	15 175	15 527	2,3	352
-Textiles	0,74	80,1	84,5	5,5	0,0	1 999	2 145	7,3	146
-Other textile products	0,47	90,2	90,0	-0,2	0,0	3 785	3 896	2,9	111
-Knitted, crocheted articles	0,10	62,2	51,6	-17,0	0,0	864	743	-14,0	-121
-Wearing apparel	1,19	93,3	92,9	-0,4	0,0	4 983	5 168	3,7	185
-Leather and leather products	0,28	127,4	121,4	-4,7	0,0	2 264	2 214	-2,2	-50
-Footwear	0,39	92,8	96,1	3,6	0,0	1 280	1 360	6,3	80
Wood and wood products, paper, publishing and printing	12,65	97,5	95,9	-1,6	-0,2	40 791	42 517	4,2	1 726
-Sawmilling and planing of wood	1,83	109,2	122,5	12,2	0,2	3 309	3 835	15,9	526
-Products of wood	2,55	93,5	97,9	4,7	0,1	5 606	5 959	6,3	353
-Paper and paper products	4,89	98,2	94,0	-4,3	-0,2	18 417	19 698	7,0	1 281
-Publishing	1,51	98,6	84,3	-14,5	-0,2	6 114	5 641	-7,7	-473
-Printing, recorded media	1,87	88,8	81,6	-8,1	-0,1	7 345	7 385	0,5	40
Petroleum, chemical products, rubber and plastic products	22,13	103,2	103,3	0,1	0,0	143 989	131 911	-8,4	-12 078
-Coke, petroleum products and nuclear fuel	7,77	100,3	99,2	-1,1	-0,1	62 850	51 043	-18,8	-11 807
-Basic chemicals	3,81	108,4	104,5	-3,6	-0,1	29 639	26 091	-12,0	-3 548
-Other chemical products	6,49	104,4	111,3	6,6	0,4	29 717	33 338	12,2	3 621
-Rubber products	1,00	111,3	100,8	-9,4	-0,1	5 731	5 334	-6,9	-397
-Plastic products	3,06	99,2	96,1	-3,1	-0,1	16 052	16 106	0,3	54
Glass and non-metallic mineral products	3,91	93,0	90,0	-3,2	-0,1	16 755	16 757	0,0	2
-Glass and glass products	0,78	83,3	82,8	-0,6	0,0	2 679	2 767	3,3	88
-Non-metallic mineral products	3,13	95,4	91,8	-3,8	-0,1	14 076	13 989	-0,6	-87
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	102,1	101,3	-0,8	-0,2	125 456	128 795	2,7	3 339
-Basic iron and steel products	3,38	94,1	100,3	6,6	0,2	40 574	39 963	-1,5	-611
-Non-ferrous metal products	3,18	107,2	97,8	-8,8	-0,3	26 512	28 009	5,6	1 497
-Structural metal products	1,89	82,7	77,4	-6,4	-0,1	10 805	10 796	-0,1	-9
-Other fabricated metal products	4,40	115,3	116,8	1,3	0,1	18 591	19 894	7,0	1 303
-General purpose machinery	2,44	85,1	78,6	-7,6	-0,2	10 460	10 233	-2,2	-227
-Special purpose machinery	3,44	105,2	111,0	5,5	0,2	15 151	16 365	8,0	1 214
-Household appliances	0,86	124,4	118,0	-5,1	-0,1	3 363	3 536	5,1	173
Electrical machinery	1,70	99,5	96,8	-2,7	0,0	16 754	17 321	3,4	567
Radio, television and communication apparatus and professional equipment	1,41	127,8	109,2	-14,6	-0,3	6 204	5 504	-11,3	-700
-Radio, television and communication apparatus	0,90	143,8	114,5	-20,4	-0,3	3 710	2 928	-21,1	-782
-Professional equipment	0,51	99,2	99,6	0,4	0,0	2 494	2 576	3,3	82
Motor vehicles, parts and accessories and other transport equipment	7,39	104,7	108,6	3,7	0,3	69 302	72 105	4,0	2 803
-Motor vehicles	2,98	120,7	131,6	9,0	0,3	39 087	39 415	0,8	328
-Bodies for motor vehicles, trailers and semi-trailers	0,43	99,2	110,7	11,6	0,0	2 731	3 016	10,4	285
-Parts and accessories	2,77	93,3	90,9	-2,6	-0,1	20 579	22 639	10,0	2 060
-Other transport equipment	1,21	93,2	92,1	-1,2	0,0	6 905	7 035	1,9	130
Furniture and other manufacturing division	3,61	91,7	85,6	-6,7	-0,2	18 218	18 125	-0,5	-93
-Furniture	1,08	96,5	93,5	-3,1	0,0	4 244	4 515	6,4	271
-Other manufacturing groups	2,53	89,6	82,2	-8,3	-0,2	13 975	13 610	-2,6	-365
Total	100,00	100,8	100,7	-0,1	-0,1	571 681	575 672	0,7	3 991

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 <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities</i> (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
Collection rate	9 The preliminary collection rate for the survey on manufacturing production and sales for April 2015 was 88,8%. The improved collection rate for March 2015 was 91,4%.
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	Intermediate consumption includes: • 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	Output is the aggregate value of goods manufactured and work done and includes: • 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. Output excludes excise and customs duty paid.
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	Turnover refers to: • 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.

Stats SA has copyright on this publication. Users may apply the information as they wish, provided that they acknowledge Stats SA as the source of the basic data wherever they process, apply, utilise, publish or distribute the data; and also that they specify that the relevant application and analysis (where applicable) result from their own processing of the data.

Advance release calendar

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

Stats SA products

A complete set of Stats SA publications is available at the Stats SA Library and the following libraries:

National Library of South Africa, Pretoria Division
National Library of South Africa, Cape Town Division
Natal Society Library, Pietermaritzburg
Library of Parliament, Cape Town
Bloemfontein Public Library
Johannesburg Public Library
Eastern Cape Library Services, King William's Town
Central Regional Library, Polokwane
Central Reference Library, Mbombela
Central Reference Collection, Kimberley
Central Reference Library, Mmabatho

Stats SA also provides a subscription service.

Electronic services

A large range of data are available via online services. For more details about our electronic services, contact Stats SA's user information service at (012) 310 8600.

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

Enquiries

Telephone number:	(012) 310 8249 (technical enquiries) (012) 310 8044 (orders) (012) 310 4883/4885/8018 (library)
Fax number:	(012) 310 8664 (technical enquiries)
Email address:	nicolaic@statssa.gov.za (technical enquiries) info@statssa.gov.za (user information services) magdaj@statssa.gov.za (orders)
Postal address:	Private Bag X44, Pretoria, 0001

Produced by Stats SA