

Statistical release

P3041.2

Manufacturing: Production and sales (Preliminary)

June 2015

**Embargoed until:
11 August 2015
13:00**

The results published in the next publication (July 2015) will be based on a new sample. This is an annual procedure which typically affects the level of sales. To avoid breaks in time series and to preserve historical growth rates, historical sales levels will be revised (i.e. they will be linked to the estimates based on the new sample).

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Contents

Key figures for June 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 June 2015

Table A – Manufacturing production and sales

Estimates	June 2015	% change between June 2014 and June 2015	% change between April to June 2014 and April to June 2015	% change between January to June 2014 and January to June 2015
Physical volume of manufacturing production index (base: 2010=100)	105,9	-0,4	-1,3	-0,4
Total estimated sales of manufactured products (R million)	157 820	1,1	1,0	1,2

Seasonally adjusted estimates	June 2015	% change between May and June 2015	% change between January to March 2015 and April to June 2015
Physical volume of manufacturing production index (base: 2010=100)	106,2	0,9	-1,2
Total value of sales of manufactured products (R million)	155 444	0,1	1,3

Manufacturing production decreased by 0,4% in June 2015 compared with June 2014.

The largest negative contributions to the year-on-year decrease in manufacturing production were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (-4,9% and contributing -1,1 percentage points); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (-3,4% and contributing -0,7 of a percentage point).

Large positive contributions were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (10,4% and contributing 0,8 of a percentage point); and
- food and beverages (2,8% and contributing 0,7 of a percentage point) (see Table 4b).

Seasonally adjusted manufacturing production decreased by 1,2% in the second quarter 2015 compared with the first quarter of 2015. Six of the ten manufacturing divisions reported negative growth rates over this period.

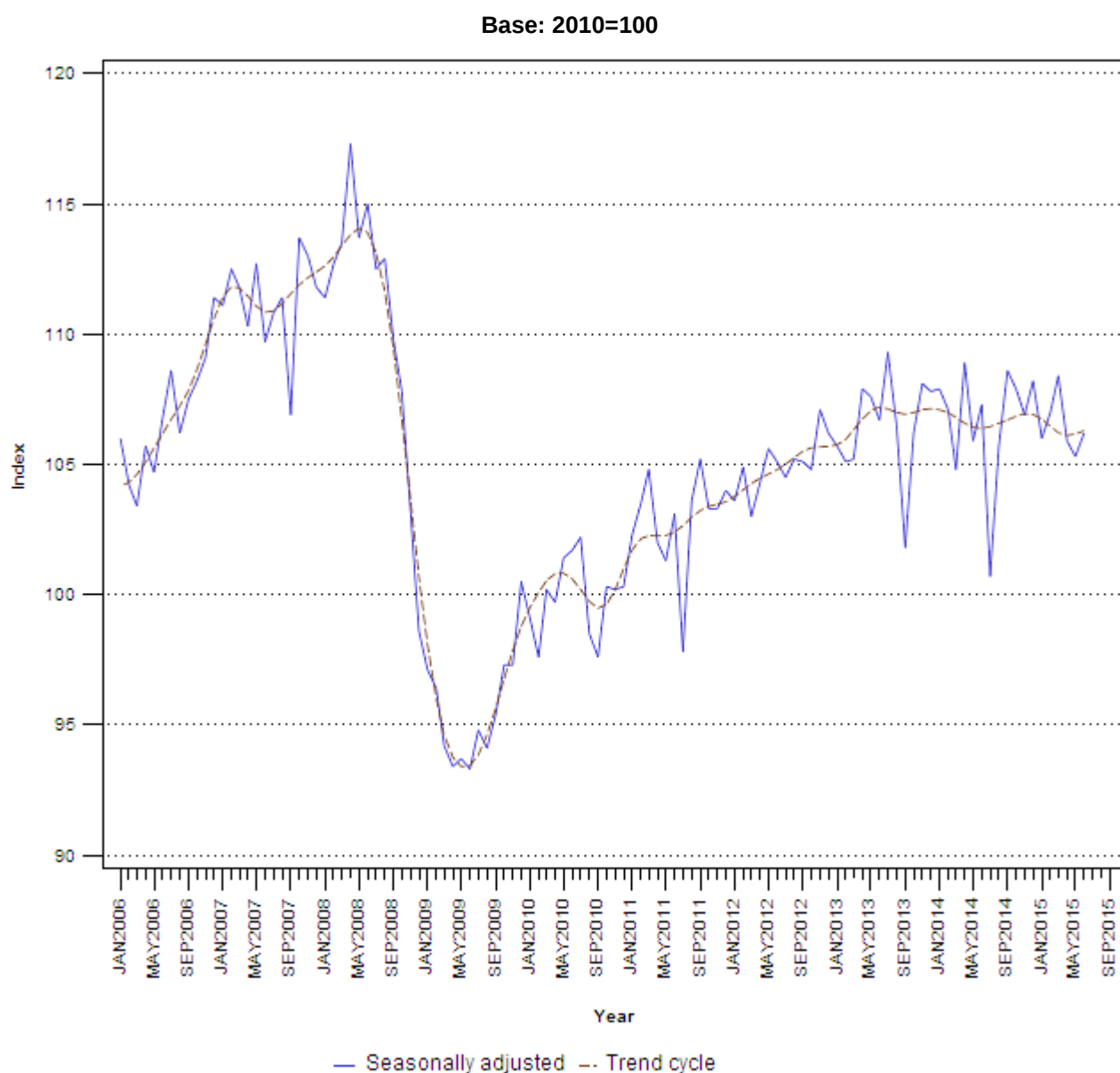
The largest contributions to the 1,2% quarter-on-quarter decrease in manufacturing production were made by the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (-4,4% and contributing -0,8 of a percentage point); and
- petroleum, chemical products, rubber and plastic products (-3,3% and contributing -0,7 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 January to March 2015	Average seasonally adjusted production index for April to June 2015	Quarterly % change of April to June 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	112,3	112,1	-0,2	0,0
-Meat, fish, fruit, etc.	5,39	118,6	118,4	-0,2	0,0
-Dairy products	1,78	111,8	116,5	4,2	0,1
-Grain mill products	2,86	104,1	104,3	0,2	0,0
-Other food products	7,73	106,5	104,8	-1,6	-0,1
-Beverages	6,68	117,5	117,6	0,1	0,0
Textiles, clothing, leather and footwear	3,17	98,2	94,9	-3,4	-0,1
-Textiles	1,21	88,9	87,4	-1,7	0,0
-Wearing apparel	1,29	98,0	94,1	-4,0	0,0
-Leather and leather products	0,28	121,7	126,4	3,9	0,0
-Footwear	0,39	107,6	96,2	-10,6	0,0
Wood and wood products, paper, publishing and printing	12,65	102,1	103,9	1,8	0,2
-Wood and products of wood	4,38	110,7	113,8	2,8	0,1
-Paper and paper products	4,89	99,6	99,9	0,3	0,0
-Publishing and printing	3,38	91,4	93,8	2,6	0,1
Petroleum, chemical products, rubber and plastic products	22,13	108,0	104,4	-3,3	-0,7
-Coke, petroleum products and nuclear fuel	7,77	103,1	91,0	-11,7	-0,9
-Basic chemicals	3,81	110,3	113,8	3,2	0,1
-Other chemical products	6,49	117,4	117,2	-0,2	0,0
-Rubber products	1,00	98,5	101,6	3,1	0,0
-Plastic products	3,06	100,9	100,6	-0,3	0,0
Glass and non-metallic mineral products	3,91	97,7	98,4	0,7	0,0
-Glass and glass products	0,78	92,3	91,1	-1,3	0,0
-Non-metallic mineral products	3,13	99,0	100,3	1,3	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	105,7	101,1	-4,4	-0,8
-Basic iron and steel products	3,38	101,2	87,0	-14,0	-0,4
-Non-ferrous metal products	3,18	98,1	99,6	1,5	0,0
-Fabricated metal products	6,29	108,8	104,9	-3,6	-0,2
-Machinery and equipment	6,74	104,9	101,9	-2,9	-0,2
Electrical machinery	1,70	104,9	104,2	-0,7	0,0
Radio, television and communication apparatus and professional equipment	1,41	114,8	131,1	14,2	0,2
-Radio, television and communication apparatus	0,90	118,6	145,2	22,4	0,2
-Professional equipment	0,51	108,2	105,9	-2,1	0,0
Motor vehicles, parts and accessories and other transport equipment	7,39	114,4	115,5	1,0	0,1
-Motor vehicles	2,98	139,0	145,5	4,7	0,2
-Bodies for motor vehicles, trailers and semi-trailers	0,43	118,3	123,8	4,6	0,0
-Parts and accessories	2,77	94,0	89,8	-4,5	-0,1
-Other transport equipment	1,21	99,4	97,0	-2,4	0,0
Furniture and other manufacturing division	3,61	93,5	92,8	-0,7	0,0
-Furniture	1,08	111,6	105,3	-5,6	-0,1
-Other manufacturing groups	2,53	85,7	87,4	2,0	0,0
Total	100,00	107,1	105,8	-1,2	-1,2

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.

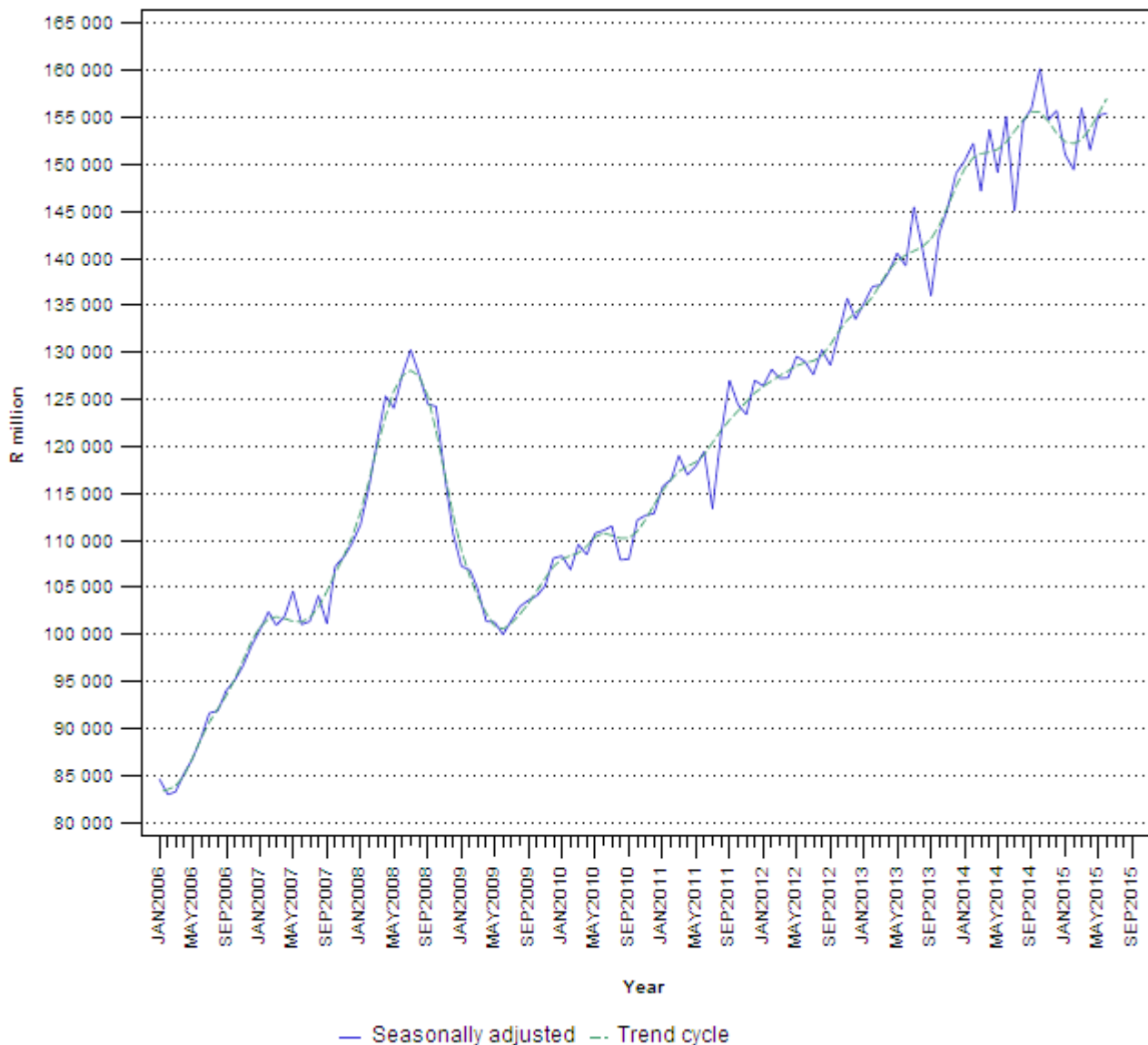
Figure 1 – Index of the physical volume of manufacturing production: 2006 – 2015

Seasonally adjusted sales of manufactured products (at current prices) increased by 1,3% (R5 765 million) in the second quarter of 2015 compared with the first quarter of 2015.

The largest positive contributions to the increase were made by the petroleum, chemical products, rubber and plastic products division (3,9% or R4 105 million), the food and beverages division (2,6% or R2 633 million) and the motor vehicles, parts and accessories and other transport equipment division (3,2% or R1 779 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 January to March 2015	Seasonally adjusted sales April to June 2015	% change between January to March 2015 and April to June 2015	Difference in seasonally adjusted sales of manufacturing divisions between January to March 2015 and April to June 2015
	R'000	R'000	%	R'000
Food and beverages	101 692 852	104 325 567	2,6	2 632 715
-Food and food products	73 388 712	74 852 060	2,0	1 463 348
-Beverages	28 304 140	29 473 507	4,1	1 169 367
Textiles, clothing, leather and footwear	12 452 108	12 535 371	0,7	83 263
-Textiles	4 742 116	4 769 670	0,6	27 554
-Wearing apparel	4 832 613	4 851 225	0,4	18 612
-Leather and leather products	1 673 998	1 750 808	4,6	76 810
-Footwear	1 203 381	1 163 668	-3,3	-39 713
Wood and wood products, paper, publishing and printing	33 984 013	34 828 369	2,5	844 356
-Wood and products of wood	7 629 869	7 921 475	3,8	291 606
-Paper and paper products	15 699 670	15 948 141	1,6	248 471
-Publishing and printing	10 654 474	10 958 753	2,9	304 279
Petroleum, chemical products, rubber and plastic products	104 234 296	108 339 482	3,9	4 105 186
-Coke, petroleum products and nuclear fuel	39 282 776	42 293 424	7,7	3 010 648
-Basic chemicals	21 359 024	22 052 329	3,2	693 305
-Other chemical products	26 679 120	27 123 545	1,7	444 425
-Rubber products	3 920 709	4 096 876	4,5	176 167
-Plastic products	12 992 667	12 773 308	-1,7	-219 359
Glass and non-metallic mineral products	13 703 502	13 890 955	1,4	187 453
-Glass and glass products	2 382 867	2 443 332	2,5	60 465
-Non-metallic mineral products	11 320 635	11 447 623	1,1	126 988
Basic iron and steel, non-ferrous metal products, metal products and machinery	101 493 964	97 761 001	-3,7	-3 732 963
-Basic iron and steel products	31 206 792	27 256 949	-12,7	-3 949 843
-Non-ferrous metal products	22 016 322	21 649 879	-1,7	-366 443
-Fabricated metal products	24 238 298	24 517 168	1,2	278 870
-Machinery and equipment	24 032 552	24 337 005	1,3	304 453
Electrical machinery	13 640 244	13 462 725	-1,3	-177 519
Radio, television and communication apparatus and professional equipment	4 445 579	4 789 454	7,7	343 875
-Radio, television and communication apparatus	2 376 642	2 708 042	13,9	331 400
-Professional equipment	2 068 937	2 081 412	0,6	12 475
Motor vehicles, parts and accessories and other transport equipment	56 101 053	57 879 676	3,2	1 778 623
-Motor vehicles, trailers, parts and accessories	50 481 856	52 256 507	3,5	1 774 651
-Other transport equipment	5 619 197	5 623 169	0,1	3 972
Furniture and other manufacturing division	14 704 176	14 404 332	-2,0	-299 844
-Furniture	4 067 551	3 955 012	-2,8	-112 539
-Other manufacturing groups	10 636 625	10 449 320	-1,8	-187 305
Total	456 451 787	462 216 932	1,3	5 765 145

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

The statistical release for manufacturing production and sales (P3041.2) for July 2015 will be published using a revised layout. The release will include an annexure showing the changes in layout.

The release for June 2015 in the new layout is available on the Stats SA website:

[Click to download manufacturing revised layout June 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	110,5
Apr	86,6	93,4	93,4	95,2	101,8	100,5	1/ 98,3
May	94,2	100,6	101,6	106,9	108,9	105,5	1/ 103,8
Jun	94,5	102,9	104,2	104,9	105,2	106,3	1/ 105,9
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	-2,2
May	-18,4	6,8	1,0	5,2	1,9	-3,1	-1,6
Jun	-18,3	8,9	1,3	0,7	0,3	1,0	-0,4
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	97,1	99,1	102,3	103,6	105,7	107,9	106,0
Feb	96,4	97,6	103,5	104,9	105,1	107,1	107,0
Mar	94,2	100,2	104,8	103,0	105,2	104,8	108,4
Apr	93,4	99,7	102,0	104,3	107,9	108,9	105,9
May	93,7	101,4	101,3	105,6	107,6	105,9	105,3
Jun	93,3	101,7	103,1	105,1	106,7	107,3	106,2
Jul	94,8	102,2	97,8	104,5	109,3	100,7	
Aug	94,1	98,5	103,6	105,2	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	106,9	
Dec	100,5	100,3	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		
			June 2014	1/ May 2015	1/ June 2015	June 2014	May 2015	June 2015
Food and beverages	24,44	110,3	106,9	107,8	109,9	111,0	111,2	113,2
-Meat, fish, fruit, etc.	5,39	115,2	114,8	115,8	118,2	116,9	117,4	118,0
-Dairy products	1,78	107,4	93,7	110,0	108,8	104,7	117,2	117,6
-Grain mill products	2,86	105,2	110,5	102,0	108,1	108,8	103,6	105,5
-Other food products	7,73	106,8	111,4	110,4	112,5	105,9	104,3	107,3
-Beverages	6,68	113,3	97,4	100,1	101,4	114,9	115,8	118,2
Textiles, clothing, leather and footwear	3,17	97,1	89,4	97,3	89,7	92,9	96,7	93,1
-Textiles	0,74	82,0	83,5	90,9	82,8	82,3	87,7	80,7
-Other textile products	0,47	96,0	93,3	96,6	96,2	92,0	93,3	95,6
-Knitted, crocheted articles	0,10	56,9	45,7	63,1	53,2	46,5	54,2	54,1
-Wearing apparel	1,19	101,5	92,3	95,9	92,1	96,5	98,3	96,6
-Leather and leather products	0,28	123,1	121,4	129,9	128,4	117,6	129,3	124,8
-Footwear	0,39	105,0	75,3	100,1	69,5	96,6	100,3	89,8
Wood and wood products, paper, publishing and printing	12,65	104,2	103,0	99,9	104,6	103,6	102,9	105,3
-Sawmilling and planing of wood	1,83	114,1	120,3	130,4	133,7	119,5	130,7	131,3
-Products of wood	2,55	100,4	100,3	101,6	109,7	99,6	103,8	108,6
-Paper and paper products	4,89	103,7	105,0	96,3	103,8	101,3	98,2	100,3
-Publishing	1,51	106,3	102,8	85,3	89,1	108,2	96,3	96,6
-Printing, recorded media	1,87	99,5	84,3	88,8	83,6	95,8	91,9	95,6
Petroleum, chemical products, rubber and plastic products	22,13	108,1	107,1	103,1	101,8	109,2	104,8	103,0
-Coke, petroleum products and nuclear fuel	7,77	102,5	107,2	92,0	84,3	109,3	92,0	87,6
-Basic chemicals	3,81	115,4	105,2	116,3	111,7	109,8	117,8	112,4
-Other chemical products	6,49	113,0	111,2	111,8	116,3	112,6	117,4	116,3
-Rubber products	1,00	105,2	100,6	109,3	109,3	99,5	100,9	103,3
-Plastic products	3,06	104,0	102,6	94,3	100,9	104,1	96,0	102,4
Glass and non-metallic mineral products	3,91	99,4	102,1	101,4	101,4	99,1	99,2	97,4
-Glass and glass products	0,78	89,8	83,4	85,2	85,0	86,8	93,3	88,5
-Non-metallic mineral products	3,13	101,7	106,7	105,4	105,5	102,2	100,7	99,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	103,8	107,8	99,9	104,1	106,5	99,2	101,9
-Basic iron and steel products	3,38	94,6	95,4	93,8	83,3	94,9	84,4	83,4
-Non-ferrous metal products	3,18	103,9	103,2	96,6	99,2	107,3	93,7	102,7
-Structural metal products	1,89	82,3	89,9	81,7	83,3	88,3	83,6	80,5
-Other fabricated metal products	4,40	120,5	131,4	115,5	122,8	128,6	115,8	120,0
-General purpose machinery	2,44	88,2	91,4	84,6	85,7	88,7	83,0	83,3
-Special purpose machinery	3,44	111,3	116,2	107,1	125,5	111,4	115,2	117,1
-Household appliances	0,86	114,8	106,4	111,5	120,8	106,4	110,3	117,4
Electrical machinery	1,70	102,3	114,3	105,2	118,2	106,6	104,3	109,5
Radio, television and communication apparatus and professional equipment	1,41	141,5	138,0	121,5	134,5	142,5	130,2	139,3
-Radio, television and communication apparatus	0,90	163,7	150,5	127,1	145,3	161,0	141,1	156,4
-Professional equipment	0,51	101,8	115,6	111,5	115,3	109,4	110,8	108,9
Motor vehicles, parts and accessories and other transport equipment	7,39	107,8	108,1	117,1	119,3	106,3	117,3	115,0
-Motor vehicles	2,98	128,6	132,6	147,8	147,2	130,8	150,2	142,8
-Bodies for motor vehicles, trailers and semi-trailers	0,43	107,2	115,0	125,6	134,2	109,8	120,8	128,6
-Parts and accessories	2,77	90,8	89,3	92,7	86,4	92,1	89,8	87,2
-Other transport equipment	1,21	95,5	88,1	94,1	120,4	77,1	98,0	105,2
Furniture and other manufacturing division	3,61	98,6	99,5	90,4	94,2	98,4	90,6	93,2
-Furniture	1,08	113,2	118,2	101,7	107,4	117,4	101,7	106,7
-Other manufacturing groups	2,53	92,3	91,4	85,5	88,6	90,2	85,8	87,4
Total	100,00	106,6	106,3	103,8	105,9	107,3	105,3	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		
			June 2014	1/ June 2015	% change between June 2014 and June 2015	May 2015	June 2015	% change between May and June 2015
Food and beverages	24,44	110,3	106,9	109,9	2,8	111,2	113,2	1,8
-Meat, fish, fruit, etc.	5,39	115,2	114,8	118,2	3,0	117,4	118,0	0,5
-Dairy products	1,78	107,4	93,7	108,8	16,1	117,2	117,6	0,3
-Grain mill products	2,86	105,2	110,5	108,1	-2,2	103,6	105,5	1,8
-Other food products	7,73	106,8	111,4	112,5	1,0	104,3	107,3	2,9
-Beverages	6,68	113,3	97,4	101,4	4,1	115,8	118,2	2,1
Textiles, clothing, leather and footwear	3,17	97,1	89,4	89,7	0,3	96,7	93,1	-3,7
-Textiles	0,74	82,0	83,5	82,8	-0,8	87,7	80,7	-8,0
-Other textile products	0,47	96,0	93,3	96,2	3,1	93,3	95,6	2,5
-Knitted, crocheted articles	0,10	56,9	45,7	53,2	16,4	54,2	54,1	-0,2
-Wearing apparel	1,19	101,5	92,3	92,1	-0,2	98,3	96,6	-1,7
-Leather and leather products	0,28	123,1	121,4	128,4	5,8	129,3	124,8	-3,5
-Footwear	0,39	105,0	75,3	69,5	-7,7	100,3	89,8	-10,5
Wood and wood products, paper, publishing and printing	12,65	104,2	103,0	104,6	1,6	102,9	105,3	2,3
-Sawmilling and planing of wood	1,83	114,1	120,3	133,7	11,1	130,7	131,3	0,5
-Products of wood	2,55	100,4	100,3	109,7	9,4	103,8	108,6	4,6
-Paper and paper products	4,89	103,7	105,0	103,8	-1,1	98,2	100,3	2,1
-Publishing	1,51	106,3	102,8	89,1	-13,3	96,3	96,6	0,3
-Printing, recorded media	1,87	99,5	84,3	83,6	-0,8	91,9	95,6	4,0
Petroleum, chemical products, rubber and plastic products	22,13	108,1	107,1	101,8	-4,9	104,8	103,0	-1,7
-Coke, petroleum products and nuclear fuel	7,77	102,5	107,2	84,3	-21,4	92,0	87,6	-4,8
-Basic chemicals	3,81	115,4	105,2	111,7	6,2	117,8	112,4	-4,6
-Other chemical products	6,49	113,0	111,2	116,3	4,6	117,4	116,3	-0,9
-Rubber products	1,00	105,2	100,6	109,3	8,6	100,9	103,3	2,4
-Plastic products	3,06	104,0	102,6	100,9	-1,7	96,0	102,4	6,7
Glass and non-metallic mineral products	3,91	99,4	102,1	101,4	-0,7	99,2	97,4	-1,8
-Glass and glass products	0,78	89,8	83,4	85,0	1,9	93,3	88,5	-5,1
-Non-metallic mineral products	3,13	101,7	106,7	105,5	-1,1	100,7	99,6	-1,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	103,8	107,8	104,1	-3,4	99,2	101,9	2,7
-Basic iron and steel products	3,38	94,6	95,4	83,3	-12,7	84,4	83,4	-1,2
-Non-ferrous metal products	3,18	103,9	103,2	99,2	-3,9	93,7	102,7	9,6
-Structural metal products	1,89	82,3	89,9	83,3	-7,3	83,6	80,5	-3,7
-Other fabricated metal products	4,40	120,5	131,4	122,8	-6,5	115,8	120,0	3,6
-General purpose machinery	2,44	88,2	91,4	85,7	-6,2	83,0	83,3	0,4
-Special purpose machinery	3,44	111,3	116,2	125,5	8,0	115,2	117,1	1,6
-Household appliances	0,86	114,8	106,4	120,8	13,5	110,3	117,4	6,4
Electrical machinery	1,70	102,3	114,3	118,2	3,4	104,3	109,5	5,0
Radio, television and communication apparatus and professional equipment	1,41	141,5	138,0	134,5	-2,5	130,2	139,3	7,0
-Radio, television and communication apparatus	0,90	163,7	150,5	145,3	-3,5	141,1	156,4	10,8
-Professional equipment	0,51	101,8	115,6	115,3	-0,3	110,8	108,9	-1,7
Motor vehicles, parts and accessories and other transport equipment	7,39	107,8	108,1	119,3	10,4	117,3	115,0	-2,0
-Motor vehicles	2,98	128,6	132,6	147,2	11,0	150,2	142,8	-4,9
-Bodies for motor vehicles, trailers and semi-trailers	0,43	107,2	115,0	134,2	16,7	120,8	128,6	6,5
-Parts and accessories	2,77	90,8	89,3	86,4	-3,2	89,8	87,2	-2,9
-Other transport equipment	1,21	95,5	88,1	120,4	36,7	98,0	105,2	7,3
Furniture and other manufacturing division	3,61	98,6	99,5	94,2	-5,3	90,6	93,2	2,9
-Furniture	1,08	113,2	118,2	107,4	-9,1	101,7	106,7	4,9
-Other manufacturing groups	2,53	92,3	91,4	88,6	-3,1	85,8	87,4	1,9
Total	100,00	106,6	106,3	105,9	-0,4	105,3	106,2	0,9

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	161 396 473
Apr	93 988 030	101 813 278	108 002 905	117 398 378	133 362 802	143 701 281	1/ 141 838 644
May	100 539 504	109 347 265	117 550 156	130 161 819	141 170 742	148 218 032	1/ 152 699 499
Jun	102 182 642	113 714 894	122 066 418	130 686 381	139 191 581	156 152 997	1/ 157 819 993
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	6,6
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	3,0
Jun	-21,2	11,3	7,3	7,1	6,5	12,2	1,1
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	107 247 020	108 335 900	115 697 143	126 423 554	135 242 589	150 367 649	151 033 304
Feb	106 832 166	106 864 771	116 478 657	128 177 354	137 032 466	152 230 566	149 443 434
Mar	104 840 560	109 560 650	119 002 826	127 231 784	137 158 463	147 160 920	155 975 049
Apr	101 370 417	108 472 855	116 956 324	127 291 580	138 553 126	153 705 250	151 552 947
May	101 300 954	110 744 296	117 852 149	129 583 136	140 551 952	149 122 413	155 219 602
Jun	99 975 115	111 056 348	119 437 895	129 012 707	139 218 640	155 113 906	155 444 383
Jul	101 454 585	111 510 525	113 370 874	127 633 966	145 471 510	145 050 178	
Aug	102 946 932	107 912 611	121 207 476	130 248 650	140 976 678	154 533 260	
Sep	103 611 208	108 000 684	127 020 377	128 630 662	136 028 533	156 015 670	
Oct	104 101 969	112 143 853	124 479 688	131 959 986	142 701 231	160 166 387	
Nov	105 133 289	112 674 845	123 376 893	135 766 591	145 411 800	154 753 524	
Dec	108 085 798	112 841 393	127 026 457	133 538 217	149 054 401	155 732 751	

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		
		June 2014	1/ May 2015	1/ June 2015	June 2014	May 2015	June 2015
Food and beverages	391 872 556	31 302 273	32 858 294	33 779 081	32 976 848	34 786 183	34 933 140
-Meat, fish, fruit, etc.	105 017 475	8 879 686	8 956 295	9 320 486	8 970 933	9 128 101	9 233 934
-Dairy products	34 033 139	2 582 049	3 068 956	3 062 577	2 825 373	3 223 716	3 244 562
-Grain mill products	64 105 154	5 619 851	5 355 079	5 631 626	5 480 827	5 344 607	5 403 497
-Other food products	81 559 806	6 475 327	7 014 483	7 081 201	6 667 098	7 137 778	7 237 005
-Beverages	107 156 982	7 745 360	8 463 481	8 683 191	9 032 617	9 951 981	9 814 142
Textiles, clothing, leather and footwear	49 328 204	3 847 525	4 293 798	4 151 776	3 899 488	4 187 700	4 185 395
-Textiles	6 299 748	543 358	578 253	559 105	533 893	549 232	544 086
-Other textile products	12 250 299	1 014 865	1 084 277	1 079 014	1 002 475	1 035 440	1 052 292
-Knitted, crocheted articles	2 377 787	160 223	223 928	191 325	156 507	192 016	185 126
-Wearing apparel	17 006 477	1 259 591	1 460 830	1 319 918	1 338 721	1 457 735	1 408 872
-Leather and leather products	6 637 099	567 289	590 026	622 808	543 563	579 007	596 777
-Footwear	4 756 794	302 199	356 484	379 606	324 329	374 270	398 242
Wood and wood products, paper, publishing and printing	135 264 401	11 227 771	10 930 077	11 815 576	11 167 476	11 386 716	11 727 723
-Sawmilling and planing of wood	10 531 005	942 995	1 022 665	1 035 281	924 991	1 028 763	1 015 023
-Products of wood	18 266 905	1 595 181	1 570 895	1 667 182	1 558 306	1 620 117	1 607 080
-Paper and paper products	60 931 868	5 241 526	5 025 486	5 694 863	4 989 440	5 201 047	5 375 944
-Publishing	20 066 195	1 626 053	1 413 625	1 493 366	1 643 012	1 538 221	1 549 116
-Printing, recorded media	25 468 428	1 822 016	1 897 406	1 924 884	2 051 727	1 998 568	2 180 560
Petroleum, chemical products, rubber and plastic products	452 163 910	37 519 980	36 773 888	36 099 304	37 503 754	37 057 393	35 865 793
-Coke, petroleum products and nuclear fuel	186 481 975	16 082 117	15 263 923	14 290 702	15 779 315	14 880 875	14 058 352
-Basic chemicals	96 414 360	7 446 007	7 439 600	7 020 987	7 591 452	7 517 865	7 179 590
-Other chemical products	99 738 691	8 229 060	8 662 569	9 084 689	8 287 213	9 107 131	9 006 615
-Rubber products	16 956 761	1 432 107	1 391 720	1 441 845	1 395 799	1 376 034	1 342 173
-Plastic products	52 572 123	4 330 689	4 016 076	4 261 081	4 449 975	4 175 488	4 279 063
Glass and non-metallic mineral products	55 423 709	4 875 410	4 646 374	4 810 186	4 730 012	4 678 535	4 541 892
-Glass and glass products	9 305 728	787 674	732 691	815 952	788 748	821 430	803 392
-Non-metallic mineral products	46 117 981	4 087 736	3 913 683	3 994 234	3 941 264	3 857 105	3 738 500
Basic iron and steel, non-ferrous metal products, metal products and machinery	395 312 268	35 969 582	33 206 291	34 568 264	34 512 151	33 000 342	32 902 709
-Basic iron and steel products	121 988 751	11 763 736	9 976 097	9 822 577	10 954 030	9 363 164	9 164 687
-Non-ferrous metal products	87 121 151	7 710 840	7 232 022	7 345 850	7 514 317	7 221 094	7 144 014
-Structural metal products	32 806 793	3 022 015	2 935 900	3 059 895	2 938 910	3 013 894	2 946 586
-Other fabricated metal products	60 262 135	5 424 630	5 317 818	5 419 812	5 348 576	5 318 410	5 226 778
-General purpose machinery	33 776 613	2 969 709	2 802 594	3 143 707	2 766 962	2 791 911	2 932 085
-Special purpose machinery	49 171 560	4 158 059	4 067 324	4 781 956	4 100 295	4 420 477	4 558 608
-Household appliances	10 185 265	920 593	874 536	994 467	889 061	871 392	929 951
Electrical machinery	52 900 401	5 022 478	4 286 940	5 223 365	4 704 700	4 440 501	4 791 871
Radio, television and communication apparatus and professional equipment	20 551 669	1 612 465	1 492 360	1 621 676	1 667 772	1 611 265	1 663 049
-Radio, television and communication apparatus	12 655 287	893 468	779 505	902 282	983 570	908 327	977 616
-Professional equipment	7 896 382	718 997	712 855	719 394	684 202	702 938	685 433
Motor vehicles, parts and accessories and other transport equipment	221 207 072	19 823 130	19 478 748	20 984 729	19 041 617	19 279 553	20 112 035
-Motor vehicles	125 897 542	11 987 015	11 030 520	11 765 437	11 569 768	10 891 270	11 318 355
-Bodies for motor vehicles, trailers and semi-trailers	9 108 576	816 412	844 202	875 798	787 658	849 233	850 953
-Parts and accessories	64 796 794	5 353 430	5 764 776	5 983 960	5 228 474	5 656 252	5 886 453
-Other transport equipment	21 404 160	1 666 273	1 839 250	2 359 534	1 455 717	1 882 798	2 056 274
Furniture and other manufacturing division	60 410 474	4 952 383	4 732 729	4 766 036	4 910 088	4 791 414	4 720 776
-Furniture	15 470 377	1 357 106	1 306 833	1 344 071	1 353 365	1 318 226	1 308 565
-Other manufacturing groups	44 940 097	3 595 277	3 425 896	3 421 965	3 556 723	3 473 188	3 412 211
Total	1 834 434 664	156 152 997	152 699 499	157 819 993	155 113 906	155 219 602	155 444 383

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		
		June 2014	1/ June 2015	% change between June 2014 and June 2015	May 2015	June 2015	% change between May and June 2015
Food and beverages	391 872 556	31 302 273	33 779 081	7,9	34 786 183	34 933 140	0,4
-Meat, fish, fruit, etc.	105 017 475	8 879 686	9 320 486	5,0	9 128 101	9 233 934	1,2
-Dairy products	34 033 139	2 582 049	3 062 577	18,6	3 223 716	3 244 562	0,6
-Grain mill products	64 105 154	5 619 851	5 631 626	0,2	5 344 607	5 403 497	1,1
-Other food products	81 559 806	6 475 327	7 081 201	9,4	7 137 778	7 237 005	1,4
-Beverages	107 156 982	7 745 360	8 683 191	12,1	9 951 981	9 814 142	-1,4
Textiles, clothing, leather and footwear	49 328 204	3 847 525	4 151 776	7,9	4 187 700	4 185 395	-0,1
-Textiles	6 299 748	543 358	559 105	2,9	549 232	544 086	-0,9
-Other textile products	12 250 299	1 014 865	1 079 014	6,3	1 035 440	1 052 292	1,6
-Knitted, crocheted articles	2 377 787	160 223	191 325	19,4	192 016	185 126	-3,6
-Wearing apparel	17 006 477	1 259 591	1 319 918	4,8	1 457 735	1 408 872	-3,4
-Leather and leather products	6 637 099	567 289	622 808	9,8	579 007	596 777	3,1
-Footwear	4 756 794	302 199	379 606	25,6	374 270	398 242	6,4
Wood and wood products, paper, publishing and printing	135 264 401	11 227 771	11 815 576	5,2	11 386 716	11 727 723	3,0
-Sawmilling and planing of wood	10 531 005	942 995	1 035 281	9,8	1 028 763	1 015 023	-1,3
-Products of wood	18 266 905	1 595 181	1 667 182	4,5	1 620 117	1 607 080	-0,8
-Paper and paper products	60 931 868	5 241 526	5 694 863	8,6	5 201 047	5 375 944	3,4
-Publishing	20 066 195	1 626 053	1 493 366	-8,2	1 538 221	1 549 116	0,7
-Printing, recorded media	25 468 428	1 822 016	1 924 884	5,6	1 998 568	2 180 560	9,1
Petroleum, chemical products, rubber and plastic products	452 163 910	37 519 980	36 099 304	-3,8	37 057 393	35 865 793	-3,2
-Coke, petroleum products and nuclear fuel	186 481 975	16 082 117	14 290 702	-11,1	14 880 875	14 058 352	-5,5
-Basic chemicals	96 414 360	7 446 007	7 020 987	-5,7	7 517 865	7 179 590	-4,5
-Other chemical products	99 738 691	8 229 060	9 084 689	10,4	9 107 131	9 006 615	-1,1
-Rubber products	16 956 761	1 432 107	1 441 845	0,7	1 376 034	1 342 173	-2,5
-Plastic products	52 572 123	4 330 689	4 261 081	-1,6	4 175 488	4 279 063	2,5
Glass and non-metallic mineral products	55 423 709	4 875 410	4 810 186	-1,3	4 678 535	4 541 892	-2,9
-Glass and glass products	9 305 728	787 674	815 952	3,6	821 430	803 392	-2,2
-Non-metallic mineral products	46 117 981	4 087 736	3 994 234	-2,3	3 857 105	3 738 500	-3,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	395 312 268	35 969 582	34 568 264	-3,9	33 000 342	32 902 709	-0,3
-Basic iron and steel products	121 988 751	11 763 736	9 822 577	-16,5	9 363 164	9 164 687	-2,1
-Non-ferrous metal products	87 121 151	7 710 840	7 345 850	-4,7	7 221 094	7 144 014	-1,1
-Structural metal products	32 806 793	3 022 015	3 059 895	1,3	3 013 894	2 946 586	-2,2
-Other fabricated metal products	60 262 135	5 424 630	5 419 812	-0,1	5 318 410	5 226 778	-1,7
-General purpose machinery	33 776 613	2 969 709	3 143 707	5,9	2 791 911	2 932 085	5,0
-Special purpose machinery	49 171 560	4 158 059	4 781 956	15,0	4 420 477	4 558 608	3,1
-Household appliances	10 185 265	920 593	994 467	8,0	871 392	929 951	6,7
Electrical machinery	52 900 401	5 022 478	5 223 365	4,0	4 440 501	4 791 871	7,9
Radio, television and communication apparatus and professional equipment	20 551 669	1 612 465	1 621 676	0,6	1 611 265	1 663 049	3,2
-Radio, television and communication apparatus	12 655 287	893 468	902 282	1,0	908 327	977 616	7,6
-Professional equipment	7 896 382	718 997	719 394	0,1	702 938	685 433	-2,5
Motor vehicles, parts and accessories and other transport equipment	221 207 072	19 823 130	20 984 729	5,9	19 279 553	20 112 035	4,3
-Motor vehicles	125 897 542	11 987 015	11 765 437	-1,8	10 891 270	11 318 355	3,9
-Bodies for motor vehicles, trailers and semi-trailers	9 108 576	816 412	875 798	7,3	849 233	850 953	0,2
-Parts and accessories	64 796 794	5 353 430	5 983 960	11,8	5 656 252	5 886 453	4,1
-Other transport equipment	21 404 160	1 666 273	2 359 534	41,6	1 882 798	2 056 274	9,2
Furniture and other manufacturing division	60 410 474	4 952 383	4 766 036	-3,8	4 791 414	4 720 776	-1,5
-Furniture	15 470 377	1 357 106	1 344 071	-1,0	1 318 226	1 308 565	-0,7
-Other manufacturing groups	44 940 097	3 595 277	3 421 965	-4,8	3 473 188	3 412 211	-1,8
Total	1 834 434 664	156 152 997	157 819 993	1,1	155 219 602	155 444 383	0,1

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)		
		Apr. to Jun. 2014	Apr. to Jun. 2015	% change between Apr. to Jun. 2014 and Apr. to Jun. 2015	Apr. to Jun. 2014	Apr. to Jun. 2015	% change between Apr. to Jun. 2014 and Apr. to Jun. 2015
Food and beverages	24,44	105,5	107,4	1,8	93 050 748	98 905 024	6,3
-Meat, fish, fruit, etc.	5,39	113,2	116,5	2,9	25 860 715	26 998 152	4,4
-Dairy products	1,78	97,4	109,0	11,9	7 897 680	9 140 700	15,7
-Grain mill products	2,86	106,0	102,7	-3,1	16 461 197	16 061 289	-2,4
-Other food products	7,73	108,4	108,3	-0,1	19 734 417	21 314 617	8,0
-Beverages	6,68	97,8	100,5	2,8	23 096 739	25 390 266	9,9
Textiles, clothing, leather and footwear	3,17	93,0	93,2	0,2	12 029 664	12 529 322	4,2
-Textiles	0,74	83,0	86,0	3,6	1 610 936	1 691 870	5,0
-Other textile products	0,47	94,8	92,8	-2,1	3 116 262	3 172 630	1,8
-Knitted, crocheted articles	0,10	60,3	57,4	-4,8	628 764	620 954	-1,2
-Wearing apparel	1,19	94,2	94,6	0,4	3 954 801	4 167 413	5,4
-Leather and leather products	0,28	122,8	126,7	3,2	1 697 691	1 778 202	4,7
-Footwear	0,39	93,0	88,2	-5,2	1 021 210	1 098 253	7,5
Wood and wood products, paper, publishing and printing	12,65	99,9	99,2	-0,7	31 768 549	32 981 080	3,8
-Sawmilling and planing of wood	1,83	112,6	128,2	13,9	2 513 615	3 002 194	19,4
-Products of wood	2,55	98,1	104,0	6,0	4 583 723	4 781 062	4,3
-Paper and paper products	4,89	101,0	97,0	-4,0	14 577 904	15 433 159	5,9
-Publishing	1,51	98,4	84,5	-14,1	4 575 810	4 245 549	-7,2
-Printing, recorded media	1,87	88,2	81,9	-7,1	5 517 497	5 519 116	0,0
Petroleum, chemical products, rubber and plastic products	22,13	105,2	100,8	-4,2	110 653 756	106 528 321	-3,7
-Coke, petroleum products and nuclear fuel	7,77	106,4	88,4	-16,9	48 508 534	42 892 772	-11,6
-Basic chemicals	3,81	107,5	109,9	2,2	22 107 384	21 221 386	-4,0
-Other chemical products	6,49	106,0	111,5	5,2	23 458 818	26 006 926	10,9
-Rubber products	1,00	98,4	104,5	6,2	4 035 247	4 120 907	2,1
-Plastic products	3,06	100,1	97,2	-2,9	12 543 773	12 286 330	-2,1
Glass and non-metallic mineral products	3,91	99,8	99,2	-0,6	14 024 093	13 752 672	-1,9
-Glass and glass products	0,78	78,5	83,6	6,5	2 106 764	2 243 181	6,5
-Non-metallic mineral products	3,13	105,1	103,1	-1,9	11 917 329	11 509 491	-3,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	106,0	100,6	-5,1	100 749 993	98 032 938	-2,7
-Basic iron and steel products	3,38	100,2	91,1	-9,1	32 770 446	28 434 440	-13,2
-Non-ferrous metal products	3,18	107,5	98,9	-8,0	21 581 869	21 492 201	-0,4
-Structural metal products	1,89	84,2	79,5	-5,6	8 272 636	8 547 749	3,3
-Other fabricated metal products	4,40	124,4	117,1	-5,9	15 502 261	15 748 954	1,6
-General purpose machinery	2,44	87,1	82,9	-4,8	8 172 435	8 468 678	3,6
-Special purpose machinery	3,44	108,1	110,9	2,6	11 728 849	12 651 421	7,9
-Household appliances	0,86	121,8	115,1	-5,5	2 721 497	2 689 495	-1,2
Electrical machinery	1,70	104,6	104,9	0,3	13 076 418	13 374 799	2,3
Radio, television and communication apparatus and professional equipment	1,41	136,2	121,5	-10,8	4 847 742	4 433 915	-8,5
-Radio, television and communication apparatus	0,90	154,5	129,5	-16,2	2 849 745	2 364 402	-17,0
-Professional equipment	0,51	103,3	107,2	3,8	1 997 997	2 069 513	3,6
Motor vehicles, parts and accessories and other transport equipment	7,39	105,2	113,3	7,7	53 204 664	57 494 121	8,1
-Motor vehicles	2,98	124,4	140,1	12,6	30 210 584	31 910 952	5,6
-Bodies for motor vehicles, trailers and semi-trailers	0,43	111,5	126,9	13,8	2 343 425	2 539 100	8,3
-Parts and accessories	2,77	91,7	89,2	-2,7	15 766 988	17 327 185	9,9
-Other transport equipment	1,21	86,3	97,6	13,1	4 883 667	5 716 884	17,1
Furniture and other manufacturing division	3,61	92,1	88,2	-4,2	14 666 683	14 325 944	-2,3
-Furniture	1,08	115,0	102,8	-10,6	3 921 481	3 875 773	-1,2
-Other manufacturing groups	2,53	82,3	82,0	-0,4	10 745 202	10 450 171	-2,7
Total	100,00	104,1	102,7	-1,3	448 072 310	452 358 136	1,0

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 Jun. 2014	Jan. to Jun. 2015	Annual % change between Jan. to Jun. 2014 and Jan. to Jun. 2015	Contribution (% points)	Jan. to Jun. 2014	Jan. to Jun. 2015	Annual % change between Jan. to Jun. 2014 and Jan. to Jun. 2015	Difference in sales between Jan. to Jun. 2014 and Jan. to Jun. 2015
Food and beverages	24,44	102,4	104,9	2,4	0,6	181 353	194 211	7,1	12 858
-Meat, fish, fruit, etc.	5,39	109,4	113,8	4,0	0,2	49 037	52 316	6,7	3 279
-Dairy products	1,78	100,6	109,1	8,4	0,1	15 628	18 079	15,7	2 451
-Grain mill products	2,86	103,5	100,8	-2,6	-0,1	31 719	31 051	-2,1	-668
-Other food products	7,73	98,0	97,3	-0,7	-0,1	37 770	40 294	6,7	2 524
-Beverages	6,68	101,9	107,3	5,3	0,4	47 199	52 470	11,2	5 271
Textiles, clothing, leather and footwear	3,17	91,8	92,4	0,7	0,0	23 161	23 989	3,6	828
-Textiles	0,74	81,4	85,3	4,8	0,0	3 099	3 282	5,9	183
-Other textile products	0,47	92,4	91,9	-0,5	0,0	5 880	6 076	3,3	196
-Knitted, crocheted articles	0,10	60,4	54,2	-10,3	0,0	1 263	1 167	-7,6	-96
-Wearing apparel	1,19	93,1	93,1	0,0	0,0	7 596	7 933	4,4	337
-Leather and leather products	0,28	125,1	124,2	-0,7	0,0	3 386	3 434	1,4	48
-Footwear	0,39	91,1	91,2	0,1	0,0	1 938	2 098	8,3	160
Wood and wood products, paper, publishing and printing	12,65	99,1	98,0	-1,1	-0,1	62 801	65 103	3,7	2 302
-Sawmilling and planing of wood	1,83	111,3	126,3	13,5	0,3	5 055	5 807	14,9	752
-Products of wood	2,55	95,2	99,9	4,9	0,1	8 666	9 146	5,5	480
-Paper and paper products	4,89	100,3	95,8	-4,5	-0,2	28 635	30 370	6,1	1 735
-Publishing	1,51	99,0	85,3	-13,8	-0,2	9 244	8 549	-7,5	-695
-Printing, recorded media	1,87	89,2	83,3	-6,6	-0,1	11 201	11 231	0,3	30
Petroleum, chemical products, rubber and plastic products	22,13	104,7	103,0	-1,6	-0,4	218 234	205 086	-6,0	-13 148
-Coke, petroleum products and nuclear fuel	7,77	103,3	95,5	-7,6	-0,6	94 821	80 432	-15,2	-14 389
-Basic chemicals	3,81	108,2	107,7	-0,5	0,0	44 576	40 986	-8,1	-3 590
-Other chemical products	6,49	105,9	112,3	6,0	0,4	45 752	51 124	11,7	5 372
-Rubber products	1,00	108,8	103,6	-4,8	-0,1	8 542	8 160	-4,5	-382
-Plastic products	3,06	99,9	96,2	-3,7	-0,1	24 542	24 383	-0,6	-159
Glass and non-metallic mineral products	3,91	96,0	93,8	-2,3	-0,1	26 271	26 196	-0,3	-75
-Glass and glass products	0,78	82,5	83,5	1,2	0,0	4 127	4 313	4,5	186
-Non-metallic mineral products	3,13	99,4	96,3	-3,1	-0,1	22 144	21 883	-1,2	-261
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	103,8	101,4	-2,3	-0,5	194 694	196 366	0,9	1 672
-Basic iron and steel products	3,38	96,5	96,4	-0,1	0,0	62 957	59 758	-5,1	-3 199
-Non-ferrous metal products	3,18	107,5	97,8	-9,0	-0,3	41 596	42 584	2,4	988
-Structural metal products	1,89	84,0	79,4	-5,5	-0,1	16 510	16 862	2,1	352
-Other fabricated metal products	4,40	119,2	117,4	-1,5	-0,1	29 205	30 515	4,5	1 310
-General purpose machinery	2,44	86,0	80,7	-6,2	-0,1	16 069	16 165	0,6	96
-Special purpose machinery	3,44	106,8	112,2	5,1	0,2	23 096	25 076	8,6	1 980
-Household appliances	0,86	122,2	117,4	-3,9	0,0	5 261	5 406	2,8	145
Electrical machinery	1,70	102,3	101,6	-0,7	0,0	25 880	26 666	3,0	786
Radio, television and communication apparatus and professional equipment	1,41	131,7	115,4	-12,4	-0,2	9 539	8 611	-9,7	-928
-Radio, television and communication apparatus	0,90	148,5	121,4	-18,2	-0,2	5 656	4 598	-18,7	-1 058
-Professional equipment	0,51	101,6	104,7	3,1	0,0	3 883	4 013	3,3	130
Motor vehicles, parts and accessories and other transport equipment	7,39	105,7	111,8	5,8	0,4	106 060	112 528	6,1	6 468
-Motor vehicles	2,98	123,4	136,9	10,9	0,4	60 218	62 199	3,3	1 981
-Bodies for motor vehicles, trailers and semi-trailers	0,43	104,7	117,0	11,7	0,1	4 350	4 716	8,4	366
-Parts and accessories	2,77	93,1	90,5	-2,8	-0,1	31 298	34 387	9,9	3 089
-Other transport equipment	1,21	91,2	97,1	6,5	0,1	10 194	11 226	10,1	1 032
Furniture and other manufacturing division	3,61	93,3	87,8	-5,9	-0,2	28 059	27 680	-1,4	-379
-Furniture	1,08	103,7	97,3	-6,2	-0,1	6 936	7 193	3,7	257
-Other manufacturing groups	2,53	88,8	83,8	-5,6	-0,1	21 123	20 488	-3,0	-635
Total	100,00	102,5	102,1	-0,4	-0,4	876 052	886 438	1,2	10 386

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 June 2015 was 89,7%. The improved collection rate for May 2015 was 92,0%.
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: • <i>Bulletin of Statistics</i> , issued quarterly; and • <i>South African Statistics</i> , 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

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