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Contents

Key figures for May 2012	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 – 2012	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 – 2012.....	6
Detailed results	7
Table 1 – Total index of the physical volume of manufacturing production: 2006 – 2012	7
Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2006 – 2012	7
Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2006 – 2012.....	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): 2006 – 2012	10
Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2006 – 2012	10
Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2006 – 2012.....	10
Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000).....	11
Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) (concluded).....	12
Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups	13
Table 10 – Annual percentage change in the cumulative physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups.....	14
Explanatory notes.....	15
Glossary.....	19
Table D – Weights according to manufacturing divisions and major groups.....	21
General information.....	22

Key figures for May 2012

Table A – Manufacturing production and sales

Estimates	May 2012	% change between May 2011 and May 2012	% change between March to May 2011 and March to May 2012	% change between January to May 2011 and January to May 2012
Physical volume of manufacturing production index (base: 2005=100)	107,1	4,2	0,7	1,7
Total estimated sales of manufactured products (R million)	124 839	10,1	8,1	9,6

Seasonally adjusted estimates	May 2012	% change between April and May 2012	% change between December 2011 to February 2012 and March to May 2012
Physical volume of manufacturing production index (base: 2005=100)	107,1	2,7	-0,9
Total value of sales of manufactured products (R million)	125 313	2,2	-0,6

Manufacturing production for May 2012 increased by 4,2% compared with May 2011.

The 4,2% year-on-year increase in manufacturing production for May 2012 was mainly due to higher production in the following divisions:

- food and beverages (12,4% and contributing 2,1 percentage points);
- motor vehicles, parts and accessories and other transport equipment (14,1% and contributing 1,5 percentage points); and
- petroleum, chemical products, rubber and plastic products (3,9% and contributing 1,0 percentage point) (see Table 4b).

The basic iron and steel, non-ferrous metal products, metal products and machinery division recorded a contraction year-on-year for May 2012 (-6,2% and contributing -1,3 percentage points).

Seasonally adjusted manufacturing production for the three months ended May 2012 decreased by 0,9% compared with the previous three months ended February 2012. Six of the ten manufacturing divisions reported negative growth rates over this period.

The decrease was driven mainly by lower production recorded for the:

- basic iron and steel, non-ferrous metal products, metal products and machinery division (-4,8% and contributing -1,0 percentage point);
- wood and wood products, paper, publishing and printing division (-6,9% and contributing -0,7 of a percentage point); and
- food and beverages division (-2,2% and contributing -0,4 of a percentage point).

However, these decreases were partially counteracted by increases reported by the:

- motor vehicles, parts and accessories and other transport equipment division (4,8% and contributing 0,5 of a percentage point); and
- furniture and other manufacturing division (11,0% and contributing 0,5 of a percentage point) (see Table B).

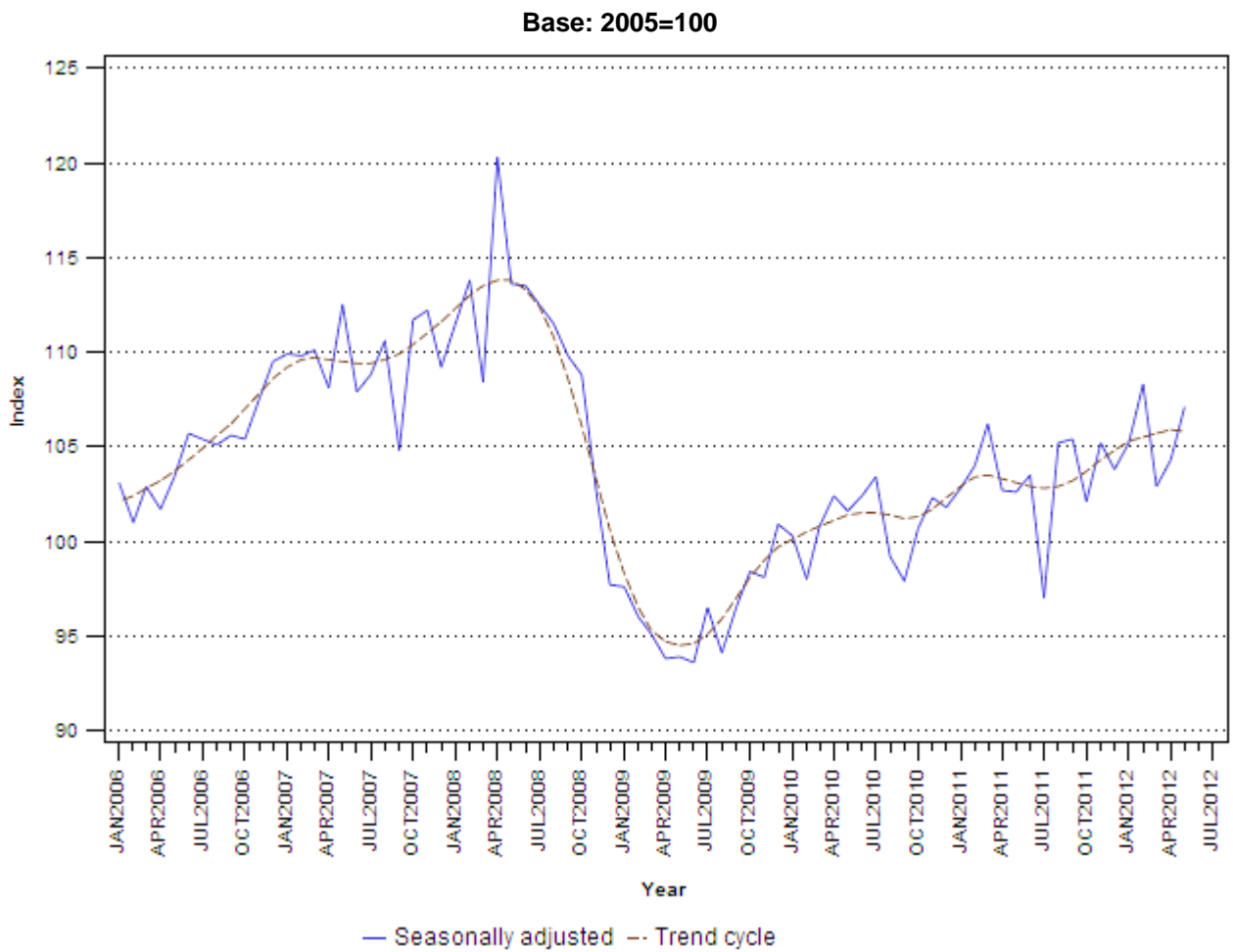
Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production

Base: 2005=100

Manufacturing division and major group	Weights 2005	Average seasonally adjusted production index for December 2011 to February 2012	Average seasonally adjusted production index for March to May 2012	Quarterly % change of March to May 2012 compared with the preceding three months	Contribution (% points) to the seasonally adjusted quarterly % change in total manufacturing production 1/
Food and beverages	15,4	124,3	121,6	-2,2	-0,4
-Meat, fish, fruit, etc.	1,8	120,2	123,3	2,6	0,1
-Dairy products	0,8	122,6	121,7	-0,7	0,0
-Grain mill products	0,8	113,7	112,6	-1,0	0,0
-Other food products	5,2	119,3	122,0	2,3	0,1
-Beverages	6,8	130,6	121,9	-6,7	-0,6
Textiles, clothing, leather and footwear	4,9	81,8	80,8	-1,2	0,0
-Textiles	1,6	69,2	63,4	-8,4	-0,1
-Wearing apparel	2,3	80,8	83,3	3,1	0,1
-Leather and leather products	0,6	97,1	97,8	0,7	0,0
-Footwear	0,4	112,4	107,4	-4,4	0,0
Wood and wood products, paper, publishing and printing	10,2	103,0	95,9	-6,9	-0,7
-Wood and products of wood	2,0	90,4	88,5	-2,1	0,0
-Paper and paper products	3,8	115,2	110,7	-3,9	-0,2
-Publishing and printing	4,3	98,0	86,2	-12,0	-0,5
Petroleum, chemical products, rubber and plastic products	22,1	115,6	116,5	0,8	0,2
-Coke, petroleum products and nuclear fuel	8,5	87,4	92,2	5,5	0,4
-Basic chemicals	4,5	139,7	136,5	-2,3	-0,1
-Other chemical products	5,3	126,7	121,5	-4,1	-0,3
-Rubber products	1,0	95,6	99,9	4,5	0,0
-Plastic products	2,7	149,3	155,4	4,1	0,2
Glass and non-metallic mineral products	4,8	99,9	97,4	-2,5	-0,1
-Glass and glass products	1,0	110,8	118,5	6,9	0,1
-Non-metallic mineral products	3,8	97,3	92,1	-5,3	-0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	95,7	91,1	-4,8	-1,0
-Basic iron and steel products	7,7	82,9	73,2	-11,7	-0,7
-Basic precious, non-ferrous metal products	3,4	107,4	91,1	-15,2	-0,5
-Fabricated metal products	5,7	112,1	110,3	-1,6	-0,1
-Machinery and equipment	6,1	89,6	95,7	6,8	0,4
Electrical machinery	2,5	124,7	132,1	5,9	0,2
Radio, television and communication apparatus and professional equipment	1,1	109,8	107,1	-2,5	0,0
-Radio, television and communication apparatus	0,4	108,2	105,6	-2,4	0,0
-Professional equipment	0,7	110,8	108,0	-2,5	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	102,0	106,9	4,8	0,5
-Motor vehicles	4,9	94,4	107,6	14,0	0,6
-Bodies for motor vehicles, trailers and semi-trailers	0,5	141,1	136,4	-3,3	0,0
-Parts and accessories	4,7	105,4	102,0	-3,2	-0,2
-Other transport equipment	0,9	105,5	113,2	7,3	0,1
Furniture and other manufacturing division	5,2	84,8	94,1	11,0	0,5
-Furniture	1,3	96,0	98,2	2,3	0,0
-Other manufacturing groups	3,9	81,1	92,7	14,3	0,4
Total	100,0	105,8	104,8	-0,9	-0,9

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 – 2012



Seasonally adjusted sales of manufactured products (at current prices) for the three months ended May 2012 decreased by 0,6% (-R2 244 million) compared with the previous three months ended February 2012. Five of the ten manufacturing divisions reported negative growth rates over this period (see Table C).

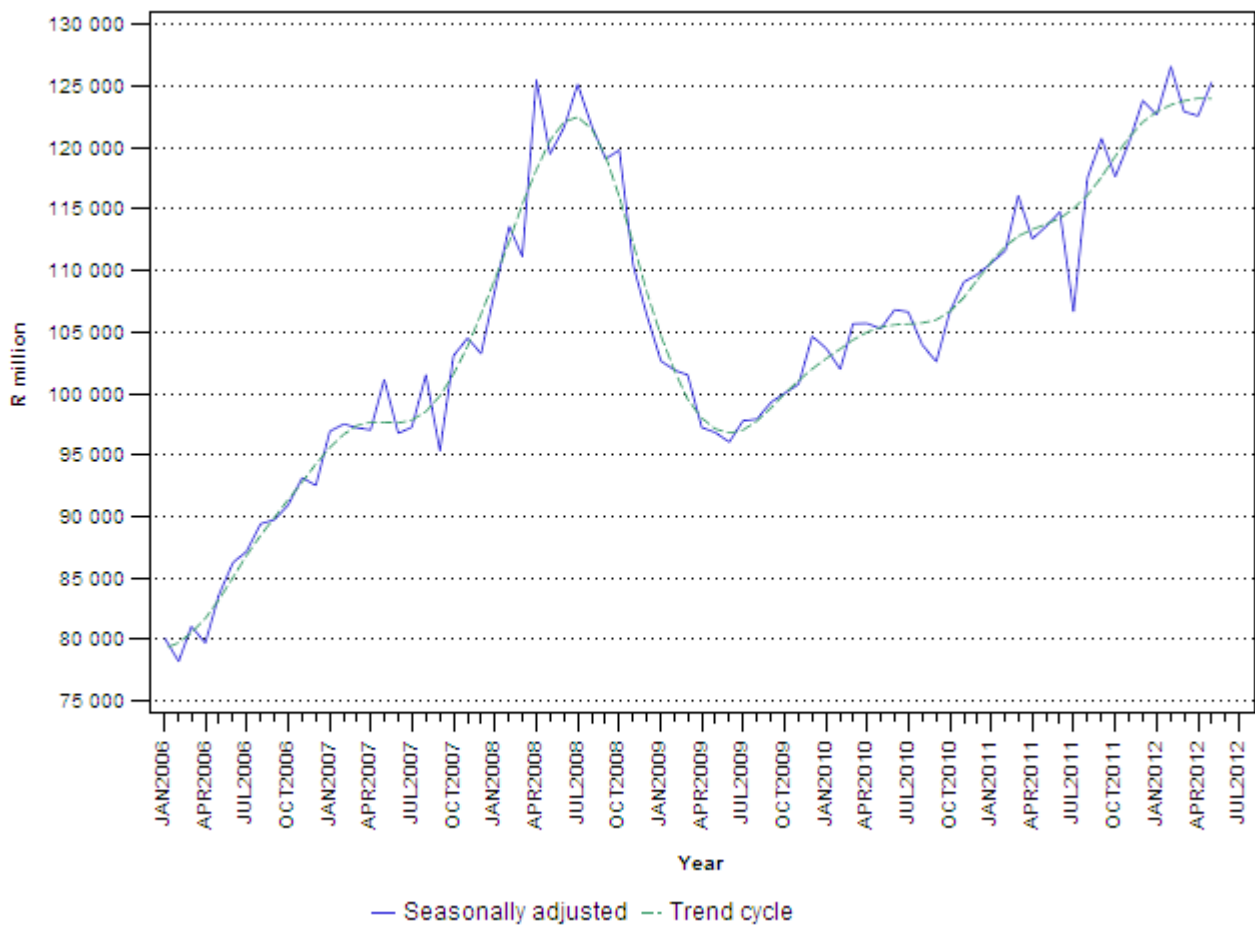
The manufacturing divisions that were mainly responsible for the decrease in total manufacturing sales were:

- basic iron and steel, non-ferrous metal products, metal products and machinery (-4,5% or -R3 819 million);
- wood and wood products, paper, publishing and printing (-5,1% or -R1 522 million); and
- motor vehicles, parts and accessories and other transport equipment (-1,9% or -R814 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 division and major group	Seasonally adjusted sales December 2011 to February 2012	Seasonally adjusted sales March to May 2012	% change between December 2011 to February 2012 and March to May 2012	Difference in seasonally adjusted sales of manufacturing divisions between December 2011 to February 2012 and March to May 2012
	R'000	R'000	%	R'000
Food and beverages	72 321 843	73 359 891	1,4	1 038 048
-Food and food products	54 547 403	56 044 420	2,7	1 497 017
-Beverages	17 774 440	17 315 471	-2,6	-458 969
Textiles, clothing, leather and footwear	10 082 112	9 924 753	-1,6	-157 359
-Textiles	4 167 204	3 836 202	-7,9	-331 002
-Wearing apparel	3 780 810	3 933 430	4,0	152 620
-Leather and leather products	1 137 285	1 140 443	0,3	3 158
-Footwear	996 813	1 014 678	1,8	17 865
Wood and wood products, paper, publishing and printing	30 097 962	28 575 594	-5,1	-1 522 368
-Wood and products of wood	6 281 119	6 272 301	-0,1	-8 818
-Paper and paper products	13 059 882	12 650 575	-3,1	-409 307
-Publishing and printing	10 756 963	9 652 717	-10,3	-1 104 246
Petroleum, chemical products, rubber and plastic products	92 786 543	94 297 430	1,6	1 510 887
-Coke, petroleum products and nuclear fuel	40 195 928	40 322 845	0,3	126 917
-Basic chemicals	17 907 857	18 609 490	3,9	701 633
-Other chemical products	19 171 315	19 201 317	0,2	30 002
-Rubber products	3 926 919	3 923 699	-0,1	-3 220
-Plastic products	11 584 525	12 240 080	5,7	655 555
Glass and non-metallic mineral products	11 133 993	11 458 583	2,9	324 590
-Glass and glass products	1 809 675	1 973 209	9,0	163 534
-Non-metallic mineral products	9 324 317	9 485 376	1,7	161 059
Basic iron and steel, non-ferrous metal products, metal products and machinery	84 042 049	80 222 662	-4,5	-3 819 387
-Basic iron and steel products	27 957 075	24 746 316	-11,5	-3 210 759
-Basic precious, non-ferrous metal products	16 368 332	14 530 025	-11,2	-1 838 307
-Fabricated metal products	21 038 638	21 107 222	0,3	68 584
-Machinery and equipment	18 678 001	19 839 098	6,2	1 161 097
Electrical machinery	10 290 322	10 867 629	5,6	577 307
Radio, television and communication apparatus and professional equipment	4 002 034	3 821 970	-4,5	-180 064
-Radio, television and communication apparatus	1 984 296	1 893 137	-4,6	-91 159
-Professional equipment	2 017 737	1 928 835	-4,4	-88 902
Motor vehicles, parts and accessories and other transport equipment	43 649 873	42 836 150	-1,9	-813 723
-Motor vehicles, trailers, parts and accessories	39 770 470	38 667 528	-2,8	-1 102 942
-Other transport equipment	3 879 403	4 168 622	7,5	289 219
Furniture and other manufacturing division	14 643 722	15 442 122	5,5	798 400
-Furniture	3 028 094	3 132 341	3,4	104 247
-Other manufacturing groups	11 615 629	12 309 781	6,0	694 152
Total	373 050 454	370 806 785	-0,6	-2 243 669

Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2006 – 2012



PJ Lehohla
Statistician-General

Detailed results

Table 1 – Total index of the physical volume of manufacturing production: 2006 – 2012

Base: 2005=100

Month	2006	2007	2008	2009	2010	2011	2012
Jan	89,7	95,0	95,9	83,4	85,9	88,0	90,0
Feb	96,7	104,7	108,5	91,5	93,7	99,7	103,8
Mar	106,2	113,6	111,9	98,3	104,7	110,4	1/ 107,2
Apr	95,6	101,0	111,9	87,1	94,6	94,7	1/ 95,7
May	104,3	113,4	114,3	94,1	101,9	102,8	1/ 107,1
Jun	106,7	109,2	115,1	94,9	103,8	104,9	
Jul	107,4	111,2	115,2	98,9	106,0	99,4	
Aug	108,8	114,4	114,9	96,7	101,7	107,7	
Sep	109,7	108,9	114,2	100,7	102,1	110,5	
Oct	117,0	124,1	121,1	109,1	111,8	113,2	
Nov	119,1	124,3	114,3	108,4	113,7	117,1	
Dec	96,6	96,5	87,8	90,2	90,9	93,1	
Year	104,8	109,7	110,4	96,1	100,9	103,5	

1/ Preliminary.

Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2006 – 2012 2/

Month	2006	2007	2008	2009	2010	2011	2012
Jan	5,8	5,9	0,9	-13,0	3,0	2,4	2,3
Feb	1,6	8,3	3,6	-15,7	2,4	6,4	4,1
Mar	4,9	7,0	-1,5	-12,2	6,5	5,4	-2,9
Apr	-0,9	5,6	10,8	-22,2	8,6	0,1	1,1
May	3,9	8,7	0,8	-17,7	8,3	0,9	4,2
Jun	6,4	2,3	5,4	-17,5	9,4	1,1	
Jul	6,2	3,5	3,6	-14,1	7,2	-6,2	
Aug	5,1	5,1	0,4	-15,8	5,2	5,9	
Sep	2,0	-0,7	4,9	-11,8	1,4	8,2	
Oct	9,2	6,1	-2,4	-9,9	2,5	1,3	
Nov	7,5	4,4	-8,0	-5,2	4,9	3,0	
Dec	5,7	-0,1	-9,0	2,7	0,8	2,4	
Year	4,8	4,7	0,6	-13,0	5,0	2,6	

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: 2006 – 2012

Base: 2005=100

Month	2006	2007	2008	2009	2010	2011	2012
Jan	103,1	109,9	111,5	97,6	100,3	102,8	105,2
Feb	101,0	109,8	113,8	96,0	98,0	104,0	108,3
Mar	102,9	110,1	108,4	95,1	100,8	106,2	102,9
Apr	101,7	108,1	120,3	93,8	102,4	102,7	104,3
May	103,4	112,5	113,6	93,9	101,6	102,6	107,1
Jun	105,7	107,9	113,5	93,6	102,4	103,5	
Jul	105,4	108,8	112,5	96,5	103,4	97,0	
Aug	105,1	110,6	111,5	94,1	99,2	105,2	
Sep	105,6	104,8	109,8	96,5	97,9	105,4	
Oct	105,4	111,7	108,8	98,4	100,7	102,1	
Nov	107,5	112,2	102,7	98,1	102,3	105,2	
Dec	109,5	109,2	97,7	100,9	101,8	103,8	

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

Base: 2005=100

Manufacturing division and major group	Weights 2005	Average for 2011	Actual indices			Seasonally adjusted indices		
			May 2011	1/ April 2012	1/ May 2012	May 2011	April 2012	May 2012
Food and beverages	15,4	119,2	111,2	108,6	125,0	114,2	123,0	128,1
-Meat, fish, fruit, etc.	1,8	120,2	117,8	115,9	129,4	116,3	121,9	128,2
-Dairy products	0,8	118,1	104,6	111,0	113,6	114,8	119,8	125,0
-Grain mill products	0,8	109,3	104,3	105,2	116,9	105,4	115,2	118,3
-Other food products	5,2	115,8	119,0	111,2	141,1	111,7	125,3	132,6
-Beverages	6,8	123,0	105,1	104,9	113,8	116,5	122,8	126,2
Textiles, clothing, leather and footwear	4,9	81,9	81,5	79,0	80,6	80,9	81,3	80,1
-Textiles	0,7	60,5	61,5	59,2	57,0	58,2	61,9	54,3
-Other textile products	0,9	72,7	69,5	63,0	66,1	70,5	67,2	67,3
-Knitted, crocheted articles	0,2	90,2	106,9	86,7	96,1	89,5	76,0	80,5
-Wearing apparel	2,1	83,2	82,8	84,6	81,1	83,9	85,1	82,4
-Leather and leather products	0,6	95,0	94,2	90,6	104,1	91,3	93,4	100,7
-Footwear	0,4	106,2	104,6	97,2	105,9	105,2	107,2	106,8
Wood and wood products, paper, publishing and printing	10,2	97,7	94,9	83,8	96,0	95,0	93,8	96,2
-Sawmilling and planing of wood	0,7	87,0	87,1	85,1	90,9	86,5	91,4	90,3
-Products of wood	1,3	88,5	90,2	77,9	88,5	89,4	86,7	87,9
-Paper and paper products	3,8	110,9	104,4	100,0	110,5	105,2	110,5	111,7
-Publishing	1,9	87,0	83,8	74,7	77,3	83,8	82,0	77,3
-Printing, recorded media	2,5	93,0	93,0	68,3	92,8	92,8	81,0	92,6
Petroleum, chemical products, rubber and plastic products	22,1	113,0	113,2	111,3	117,6	113,7	116,1	118,5
-Coke, petroleum products and nuclear fuel	8,5	88,7	98,2	94,6	94,8	94,3	93,7	91,0
-Basic chemicals	4,5	131,9	128,0	128,8	129,2	131,8	136,5	133,6
-Other chemical products	5,3	121,6	114,1	111,2	125,4	118,3	119,1	130,6
-Rubber products	1,0	96,7	94,4	87,2	107,6	91,4	96,7	104,9
-Plastic products	2,7	146,9	140,9	143,6	158,0	143,4	153,8	160,8
Glass and non-metallic mineral products	4,8	96,6	94,1	90,6	100,9	94,7	98,8	101,5
-Glass and glass products	1,0	116,4	102,3	104,8	107,5	113,0	117,1	119,1
-Non-metallic mineral products	3,8	91,7	92,0	87,0	99,2	90,1	94,2	97,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,8	97,5	84,5	91,5	95,5	90,0	90,1
-Basic iron and steel products	7,7	78,4	95,2	72,1	72,8	89,7	73,2	68,7
-Non-ferrous metal products	3,4	109,2	114,5	88,4	86,7	112,6	91,3	85,5
-Structural metal products	2,0	89,9	88,9	88,0	92,0	87,2	95,0	91,3
-Other fabricated metal products	3,8	112,0	114,7	107,5	128,6	111,0	115,5	123,9
-General purpose machinery	2,4	72,7	71,6	66,3	80,7	72,8	73,9	81,9
-Special purpose machinery	3,1	95,1	88,4	91,4	101,9	94,4	104,3	108,1
-Household appliances	0,6	101,4	98,0	101,5	112,9	98,1	111,5	113,3
Electrical machinery	2,5	130,0	126,0	117,7	136,5	130,0	124,7	140,7
Radio, television and communication apparatus and professional equipment	1,1	105,9	101,4	97,1	107,5	100,5	107,6	107,0
-Radio, television and communication apparatus	0,4	104,2	92,0	90,2	101,1	96,9	107,1	106,6
-Professional equipment	0,7	107,0	107,4	101,4	111,6	102,8	107,8	107,3
Motor vehicles, parts and accessories and other transport equipment	10,9	103,1	101,0	93,7	115,2	97,2	107,7	111,5
-Motor vehicles	4,9	96,5	89,1	91,6	112,9	86,8	111,8	111,1
-Bodies for motor vehicles, trailers and semi-trailers	0,5	126,9	127,5	130,9	147,7	123,3	135,9	142,7
-Parts and accessories	4,7	104,7	107,8	90,9	113,3	102,5	98,7	107,6
-Other transport equipment	0,9	117,7	115,9	100,6	121,3	112,7	118,0	117,4
Furniture and other manufacturing division	5,2	92,9	93,7	77,6	99,5	92,6	92,4	97,6
-Furniture	1,3	93,8	92,5	89,5	99,0	92,4	99,0	98,8
-Other manufacturing groups	3,9	92,6	94,0	73,6	99,7	92,7	90,2	97,2
Total	100,0	103,5	102,8	95,7	107,1	102,6	104,3	107,1

1/ Preliminary.

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

Base: 2005=100

Manufacturing division and major group	Weights 2005	Average for 2011	Actual indices			Seasonally adjusted indices		
			May 2011	1/ May 2012	% change between May 2011 and May 2012	April 2012	May 2012	% change between April and May 2012
Food and beverages	15,4	119,2	111,2	125,0	12,4	123,0	128,1	4,1
-Meat, fish, fruit, etc.	1,8	120,2	117,8	129,4	9,8	121,9	128,2	5,2
-Dairy products	0,8	118,1	104,6	113,6	8,6	119,8	125,0	4,3
-Grain mill products	0,8	109,3	104,3	116,9	12,1	115,2	118,3	2,7
-Other food products	5,2	115,8	119,0	141,1	18,6	125,3	132,6	5,8
-Beverages	6,8	123,0	105,1	113,8	8,3	122,8	126,2	2,8
Textiles, clothing, leather and footwear	4,9	81,9	81,5	80,6	-1,1	81,3	80,1	-1,5
-Textiles	0,7	60,5	61,5	57,0	-7,3	61,9	54,3	-12,3
-Other textile products	0,9	72,7	69,5	66,1	-4,9	67,2	67,3	0,1
-Knitted, crocheted articles	0,2	90,2	106,9	96,1	-10,1	76,0	80,5	5,9
-Wearing apparel	2,1	83,2	82,8	81,1	-2,1	85,1	82,4	-3,2
-Leather and leather products	0,6	95,0	94,2	104,1	10,5	93,4	100,7	7,8
-Footwear	0,4	106,2	104,6	105,9	1,2	107,2	106,8	-0,4
Wood and wood products, paper, publishing and printing	10,2	97,7	94,9	96,0	1,2	93,8	96,2	2,6
-Sawmilling and planing of wood	0,7	87,0	87,1	90,9	4,4	91,4	90,3	-1,2
-Products of wood	1,3	88,5	90,2	88,5	-1,9	86,7	87,9	1,4
-Paper and paper products	3,8	110,9	104,4	110,5	5,8	110,5	111,7	1,1
-Publishing	1,9	87,0	83,8	77,3	-7,8	82,0	77,3	-5,7
-Printing, recorded media	2,5	93,0	93,0	92,8	-0,2	81,0	92,6	14,3
Petroleum, chemical products, rubber and plastic products	22,1	113,0	113,2	117,6	3,9	116,1	118,5	2,1
-Coke, petroleum products and nuclear fuel	8,5	88,7	98,2	94,8	-3,5	93,7	91,0	-2,9
-Basic chemicals	4,5	131,9	128,0	129,2	0,9	136,5	133,6	-2,1
-Other chemical products	5,3	121,6	114,1	125,4	9,9	119,1	130,6	9,7
-Rubber products	1,0	96,7	94,4	107,6	14,0	96,7	104,9	8,5
-Plastic products	2,7	146,9	140,9	158,0	12,1	153,8	160,8	4,6
Glass and non-metallic mineral products	4,8	96,6	94,1	100,9	7,2	98,8	101,5	2,7
-Glass and glass products	1,0	116,4	102,3	107,5	5,1	117,1	119,1	1,7
-Non-metallic mineral products	3,8	91,7	92,0	99,2	7,8	94,2	97,1	3,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,8	97,5	91,5	-6,2	90,0	90,1	0,1
-Basic iron and steel products	7,7	78,4	95,2	72,8	-23,5	73,2	68,7	-6,1
-Non-ferrous metal products	3,4	109,2	114,5	86,7	-24,3	91,3	85,5	-6,4
-Structural metal products	2,0	89,9	88,9	92,0	3,5	95,0	91,3	-3,9
-Other fabricated metal products	3,8	112,0	114,7	128,6	12,1	115,5	123,9	7,3
-General purpose machinery	2,4	72,7	71,6	80,7	12,7	73,9	81,9	10,8
-Special purpose machinery	3,1	95,1	88,4	101,9	15,3	104,3	108,1	3,6
-Household appliances	0,6	101,4	98,0	112,9	15,2	111,5	113,3	1,6
Electrical machinery	2,5	130,0	126,0	136,5	8,3	124,7	140,7	12,8
Radio, television and communication apparatus and professional equipment	1,1	105,9	101,4	107,5	6,0	107,6	107,0	-0,6
-Radio, television and communication apparatus	0,4	104,2	92,0	101,1	9,9	107,1	106,6	-0,5
-Professional equipment	0,7	107,0	107,4	111,6	3,9	107,8	107,3	-0,5
Motor vehicles, parts and accessories and other transport equipment	10,9	103,1	101,0	115,2	14,1	107,7	111,5	3,5
-Motor vehicles	4,9	96,5	89,1	112,9	26,7	111,8	111,1	-0,6
-Bodies for motor vehicles, trailers and semi-trailers	0,5	126,9	127,5	147,7	15,8	135,9	142,7	5,0
-Parts and accessories	4,7	104,7	107,8	113,3	5,1	98,7	107,6	9,0
-Other transport equipment	0,9	117,7	115,9	121,3	4,7	118,0	117,4	-0,5
Furniture and other manufacturing division	5,2	92,9	93,7	99,5	6,2	92,4	97,6	5,6
-Furniture	1,3	93,8	92,5	99,0	7,0	99,0	98,8	-0,2
-Other manufacturing groups	3,9	92,6	94,0	99,7	6,1	90,2	97,2	7,8
Total	100,0	103,5	102,8	107,1	4,2	104,3	107,1	2,7

1/ Preliminary.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2006 – 2012

Month	2006	2007	2008	2009	2010	2011	2012
Jan	67 351 678	81 459 988	91 280 084	85 793 294	86 836 064	92 863 625	103 500 177
Feb	74 930 635	93 134 142	108 137 770	97 350 713	97 825 640	107 158 143	121 070 292
Mar	83 169 373	100 113 755	114 652 520	105 127 970	110 232 624	121 108 364	1/ 128 106 986
Apr	74 690 973	90 606 196	116 896 823	90 156 553	97 707 572	103 921 168	1/ 112 861 331
May	83 925 122	101 641 507	120 173 410	96 487 420	105 089 142	113 377 474	1/ 124 839 388
Jun	87 683 125	98 764 796	124 811 522	98 161 671	109 279 984	117 502 258	
Jul	88 860 703	99 325 320	128 335 265	99 715 325	108 621 205	108 591 835	
Aug	92 520 358	104 978 175	126 167 640	100 731 886	106 288 802	119 985 649	
Sep	94 724 833	100 538 717	125 588 533	104 781 622	108 523 831	127 892 291	
Oct	99 968 405	113 462 255	131 772 450	109 759 231	116 804 203	128 378 804	
Nov	103 494 740	116 007 502	122 615 454	111 844 877	121 292 114	133 563 590	
Dec	82 554 715	91 954 469	95 903 778	95 002 438	99 664 494	112 428 523	
Year	1 033 874 660	1 191 986 822	1 406 335 249	1 194 913 000	1 268 165 675	1 386 771 724	

1/ Preliminary.

Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2006 – 2012 2/

Month	2006	2007	2008	2009	2010	2011	2012
Jan	11,1	20,9	12,1	-6,0	1,2	6,9	11,5
Feb	6,8	24,3	16,1	-10,0	0,5	9,5	13,0
Mar	11,5	20,4	14,5	-8,3	4,9	9,9	5,8
Apr	1,5	21,3	29,0	-22,9	8,4	6,4	8,6
May	10,7	21,1	18,2	-19,7	8,9	7,9	10,1
Jun	13,4	12,6	26,4	-21,4	11,3	7,5	
Jul	15,0	11,8	29,2	-22,3	8,9	0,0	
Aug	16,0	13,5	20,2	-20,2	5,5	12,9	
Sep	14,3	6,1	24,9	-16,6	3,6	17,8	
Oct	20,8	13,5	16,1	-16,7	6,4	9,9	
Nov	19,7	12,1	5,7	-8,8	8,4	10,1	
Dec	12,4	11,4	4,3	-0,9	4,9	12,8	
Year	13,0	15,3	18,0	-15,0	6,1	9,4	

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): 2006 – 2012

Month	2006	2007	2008	2009	2010	2011	2012
Jan	80 131 864	96 932 338	108 495 873	102 636 829	103 666 128	110 627 862	122 654 352
Feb	78 214 381	97 518 932	113 571 763	101 884 320	101 964 365	111 640 717	126 578 681
Mar	81 050 055	97 212 019	111 134 327	101 505 478	105 670 655	116 089 806	122 922 145
Apr	79 721 813	97 037 419	125 484 009	97 238 316	105 703 171	112 582 652	122 571 814
May	83 635 590	101 149 744	119 466 448	96 830 438	105 269 555	113 558 374	125 312 826
Jun	86 241 661	96 762 979	121 620 081	96 046 260	106 811 819	114 772 999	
Jul	87 166 738	97 257 142	125 125 334	97 776 668	106 634 055	106 664 448	
Aug	89 400 763	101 511 313	121 764 491	97 918 750	103 959 376	117 560 760	
Sep	89 739 135	95 333 858	119 075 658	99 284 989	102 583 051	120 728 975	
Oct	90 944 570	103 067 431	119 788 667	100 027 439	106 658 961	117 625 950	
Nov	93 160 465	104 494 247	110 386 948	100 741 375	109 068 008	120 445 327	
Dec	92 518 303	103 240 274	106 349 692	104 645 329	109 686 420	123 817 421	

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

Manufacturing division and major group	Year 2011	Actual values			Seasonally adjusted values		
		May 2011	1/ April 2012	1/ May 2012	May 2011	April 2012	May 2012
Food and beverages	270 534 109	20 667 745	22 314 874	24 074 180	21 632 319	24 177 639	25 207 505
-Meat, fish, fruit, etc.	74 871 928	5 932 741	6 270 807	6 854 961	5 956 962	6 645 684	6 896 579
-Dairy products	23 913 027	1 840 744	2 019 503	2 147 300	1 954 798	2 161 530	2 277 826
-Grain mill products	46 404 334	3 642 260	4 078 465	4 373 606	3 715 168	4 447 561	4 461 908
-Other food products	59 168 379	4 754 404	5 003 830	5 434 844	4 823 909	5 324 817	5 510 973
-Beverages	66 176 441	4 497 596	4 942 269	5 263 469	5 181 482	5 598 047	6 060 220
Textiles, clothing, leather and footwear	39 156 685	3 250 615	3 200 364	3 406 143	3 186 314	3 305 181	3 341 949
-Textiles	4 426 801	378 429	346 778	361 019	359 063	354 048	343 808
-Other textile products	11 406 902	932 334	882 306	963 427	901 059	927 851	930 151
-Knitted, crocheted articles	1 706 878	165 668	152 821	163 615	137 447	140 089	135 978
-Wearing apparel	13 551 246	1 128 549	1 169 990	1 187 105	1 134 171	1 190 087	1 192 790
-Leather and leather products	4 274 369	345 773	346 353	407 031	339 887	360 263	398 754
-Footwear	3 790 489	299 862	302 116	323 946	314 686	332 843	340 469
Wood and wood products, paper, publishing and printing	111 053 790	9 083 386	8 282 937	9 540 087	9 029 558	9 355 490	9 488 240
-Sawmilling and planing of wood	8 330 875	677 956	700 403	746 205	690 402	753 269	759 215
-Products of wood	15 601 183	1 325 136	1 203 386	1 330 740	1 306 198	1 324 532	1 315 580
-Paper and paper products	48 575 169	3 947 017	3 713 448	4 248 037	3 926 087	4 232 519	4 227 377
-Publishing	17 005 356	1 351 302	1 278 205	1 315 589	1 347 320	1 408 950	1 310 136
-Printing, recorded media	21 541 207	1 781 975	1 387 495	1 899 516	1 759 550	1 636 220	1 875 932
Petroleum, chemical products, rubber and plastic products	327 052 200	28 555 355	29 250 487	31 420 745	28 704 216	31 264 348	31 647 728
-Coke, petroleum products and nuclear fuel	125 525 877	12 761 238	13 055 230	13 366 515	12 368 759	13 450 552	12 942 090
-Basic chemicals	68 965 227	5 489 634	5 608 296	5 978 798	5 759 710	6 336 865	6 295 041
-Other chemical products	73 150 065	5 612 715	5 773 198	6 527 043	5 824 128	6 205 381	6 784 300
-Rubber products	14 593 850	1 096 183	1 123 883	1 362 283	1 099 615	1 259 854	1 372 215
-Plastic products	44 817 181	3 595 585	3 689 880	4 186 106	3 652 003	4 011 696	4 254 082
Glass and non-metallic mineral products	42 523 531	3 370 347	3 323 823	3 978 986	3 388 144	3 754 371	4 005 693
-Glass and glass products	7 094 686	487 081	550 470	588 329	554 969	651 769	671 826
-Non-metallic mineral products	35 428 845	2 883 266	2 773 353	3 390 657	2 833 175	3 102 603	3 333 867
Basic iron and steel, non-ferrous metal products, metal products and machinery	306 476 014	25 586 185	24 522 808	27 544 521	25 190 713	26 349 148	27 199 658
-Basic iron and steel products	97 801 939	8 550 371	7 850 956	8 753 815	8 046 405	8 197 354	8 245 449
-Non-ferrous metal products	61 809 327	5 358 887	4 732 952	4 846 005	5 287 456	4 886 387	4 786 789
-Structural metal products	27 396 728	2 164 701	2 428 410	2 537 276	2 160 140	2 642 491	2 547 767
-Other fabricated metal products	47 606 035	3 896 673	3 872 143	4 779 079	3 879 618	4 269 350	4 767 730
-General purpose machinery	29 673 250	2 370 678	2 255 167	2 805 194	2 424 014	2 529 538	2 867 390
-Special purpose machinery	33 013 046	2 490 659	2 625 380	2 966 786	2 642 726	2 996 110	3 132 668
-Household appliances	9 175 689	754 216	757 800	856 366	750 354	827 918	851 865
Electrical machinery	41 523 810	3 389 881	3 161 771	3 718 797	3 358 765	3 450 799	3 665 997
Radio, television and communication apparatus and professional equipment	15 336 222	1 071 541	1 117 183	1 259 969	1 085 483	1 262 676	1 290 919
-Radio, television and communication apparatus	7 676 027	449 469	521 293	605 976	485 012	606 314	657 789
-Professional equipment	7 660 195	622 072	595 890	653 993	600 471	656 363	633 130
Motor vehicles, parts and accessories and other transport equipment	173 977 223	13 585 265	12 893 426	14 870 001	13 063 441	14 571 288	14 329 331
-Motor vehicles	86 281 272	6 266 027	6 131 090	7 153 104	6 050 469	7 087 898	6 922 657
-Bodies for motor vehicles, trailers and semi-trailers	8 299 507	648 243	688 084	829 846	639 718	739 286	818 811
-Parts and accessories	62 802 464	5 311 931	4 844 485	5 397 516	5 048 840	5 305 276	5 146 217
-Other transport equipment	16 593 980	1 359 064	1 229 767	1 489 535	1 324 415	1 438 828	1 441 646
Furniture and other manufacturing division	59 138 140	4 817 154	4 793 658	5 025 959	4 919 420	5 080 874	5 135 805
-Furniture	11 613 033	946 238	937 460	1 052 260	944 821	1 042 519	1 050 674
-Other manufacturing groups	47 525 107	3 870 916	3 856 198	3 973 699	3 974 599	4 038 355	4 085 131
Total	1 386 771 724	113 377 474	112 861 331	124 839 388	113 558 374	122 571 814	125 312 826

1/ Preliminary.

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

Manufacturing division and major group	Year 2011	Actual values			Seasonally adjusted values		
		May 2011	1/ May 2012	% change between May 2011 and May 2012	April 2012	May 2012	% change between April and May 2012
Food and beverages	270 534 109	20 667 745	24 074 180	16,5	24 177 639	25 207 505	4,3
-Meat, fish, fruit, etc.	74 871 928	5 932 741	6 854 961	15,5	6 645 684	6 896 579	3,8
-Dairy products	23 913 027	1 840 744	2 147 300	16,7	2 161 530	2 277 826	5,4
-Grain mill products	46 404 334	3 642 260	4 373 606	20,1	4 447 561	4 461 908	0,3
-Other food products	59 168 379	4 754 404	5 434 844	14,3	5 324 817	5 510 973	3,5
-Beverages	66 176 441	4 497 596	5 263 469	17,0	5 598 047	6 060 220	8,3
Textiles, clothing, leather and footwear	39 156 685	3 250 615	3 406 143	4,8	3 305 181	3 341 949	1,1
-Textiles	4 426 801	378 429	361 019	-4,6	354 048	343 808	-2,9
-Other textile products	11 406 902	932 334	963 427	3,3	927 851	930 151	0,2
-Knitted, crocheted articles	1 706 878	165 668	163 615	-1,2	140 089	135 978	-2,9
-Wearing apparel	13 551 246	1 128 549	1 187 105	5,2	1 190 087	1 192 790	0,2
-Leather and leather products	4 274 369	345 773	407 031	17,7	360 263	398 754	10,7
-Footwear	3 790 489	299 862	323 946	8,0	332 843	340 469	2,3
Wood and wood products, paper, publishing and printing	111 053 790	9 083 386	9 540 087	5,0	9 355 490	9 488 240	1,4
-Sawmilling and planing of wood	8 330 875	677 956	746 205	10,1	753 269	759 215	0,8
-Products of wood	15 601 183	1 325 136	1 330 740	0,4	1 324 532	1 315 580	-0,7
-Paper and paper products	48 575 169	3 947 017	4 248 037	7,6	4 232 519	4 227 377	-0,1
-Publishing	17 005 356	1 351 302	1 315 589	-2,6	1 408 950	1 310 136	-7,0
-Printing, recorded media	21 541 207	1 781 975	1 899 516	6,6	1 636 220	1 875 932	14,7
Petroleum, chemical products, rubber and plastic products	327 052 200	28 555 355	31 420 745	10,0	31 264 348	31 647 728	1,2
-Coke, petroleum products and nuclear fuel	125 525 877	12 761 238	13 366 515	4,7	13 450 552	12 942 090	-3,8
-Basic chemicals	68 965 227	5 489 634	5 978 798	8,9	6 336 865	6 295 041	-0,7
-Other chemical products	73 150 065	5 612 715	6 527 043	16,3	6 205 381	6 784 300	9,3
-Rubber products	14 593 850	1 096 183	1 362 283	24,3	1 259 854	1 372 215	8,9
-Plastic products	44 817 181	3 595 585	4 186 106	16,4	4 011 696	4 254 082	6,0
Glass and non-metallic mineral products	42 523 531	3 370 347	3 978 986	18,1	3 754 371	4 005 693	6,7
-Glass and glass products	7 094 686	487 081	588 329	20,8	651 769	671 826	3,1
-Non-metallic mineral products	35 428 845	2 883 266	3 390 657	17,6	3 102 603	3 333 867	7,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	306 476 014	25 586 185	27 544 521	7,7	26 349 148	27 199 658	3,2
-Basic iron and steel products	97 801 939	8 550 371	8 753 815	2,4	8 197 354	8 245 449	0,6
-Non-ferrous metal products	61 809 327	5 358 887	4 846 005	-9,6	4 886 387	4 786 789	-2,0
-Structural metal products	27 396 728	2 164 701	2 537 276	17,2	2 642 491	2 547 767	-3,6
-Other fabricated metal products	47 606 035	3 896 673	4 779 079	22,6	4 269 350	4 767 730	11,7
-General purpose machinery	29 673 250	2 370 678	2 805 194	18,3	2 529 538	2 867 390	13,4
-Special purpose machinery	33 013 046	2 490 659	2 966 786	19,1	2 996 110	3 132 668	4,6
-Household appliances	9 175 689	754 216	856 366	13,5	827 918	851 865	2,9
-Electrical machinery	41 523 810	3 389 881	3 718 797	9,7	3 450 799	3 665 997	6,2
Radio, television and communication apparatus and professional equipment	15 336 222	1 071 541	1 259 969	17,6	1 262 676	1 290 919	2,2
-Radio, television and communication apparatus	7 676 027	449 469	605 976	34,8	606 314	657 789	8,5
-Professional equipment	7 660 195	622 072	653 993	5,1	656 363	633 130	-3,5
Motor vehicles, parts and accessories and other transport equipment	173 977 223	13 585 265	14 870 001	9,5	14 571 288	14 329 331	-1,7
-Motor vehicles	86 281 272	6 266 027	7 153 104	14,2	7 087 898	6 922 657	-2,3
-Bodies for motor vehicles, trailers and semi-trailers	8 299 507	648 243	829 846	28,0	739 286	818 811	10,8
-Parts and accessories	62 802 464	5 311 931	5 397 516	1,6	5 305 276	5 146 217	-3,0
-Other transport equipment	16 593 980	1 359 064	1 489 535	9,6	1 438 828	1 441 646	0,2
Furniture and other manufacturing division	59 138 140	4 817 154	5 025 959	4,3	5 080 874	5 135 805	1,1
-Furniture	11 613 033	946 238	1 052 260	11,2	1 042 519	1 050 674	0,8
-Other manufacturing groups	47 525 107	3 870 916	3 973 699	2,7	4 038 355	4 085 131	1,2
Total	1 386 771 724	113 377 474	124 839 388	10,1	122 571 814	125 312 826	2,2

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 division and major group	Weights 2005	Production indices (base: 2005=100)			Value of sales (R'000)		
		Mar. to May 2011	Mar. to May 2012	% change between Mar. to May 2011 and Mar. to May 2012	Mar. to May 2011	Mar. to May 2012	% change between Mar. to May 2011 and Mar. to May 2012
Food and beverages	15,4	110,9	115,8	4,4	63 210 994	70 339 732	11,3
-Meat, fish, fruit, etc.	1,8	119,3	125,0	4,8	17 916 554	19 871 932	10,9
-Dairy products	0,8	111,0	114,6	3,2	5 672 380	6 393 741	12,7
-Grain mill products	0,8	107,2	112,0	4,5	11 040 411	12 835 003	16,3
-Other food products	5,2	107,3	115,7	7,8	13 947 551	15 439 037	10,7
-Beverages	6,8	111,9	114,0	1,9	14 634 098	15 800 019	8,0
Textiles, clothing, leather and footwear	4,9	82,8	81,8	-1,2	9 788 629	10 081 253	3,0
-Textiles	0,7	64,0	59,3	-7,3	1 177 291	1 098 876	-6,7
-Other textile products	0,9	69,6	67,5	-3,0	2 767 720	2 833 880	2,4
-Knitted, crocheted articles	0,2	113,8	93,6	-17,8	496 913	488 758	-1,6
-Wearing apparel	2,1	84,2	84,3	0,1	3 388 925	3 526 743	4,1
-Leather and leather products	0,6	96,3	99,8	3,6	1 064 679	1 166 183	9,5
-Footwear	0,4	102,8	105,1	2,2	893 101	966 813	8,3
Wood and wood products, paper, publishing and printing	10,2	93,8	93,5	-0,3	26 509 920	27 922 481	5,3
-Sawmilling and planing of wood	0,7	85,1	89,9	5,6	1 957 331	2 236 960	14,3
-Products of wood	1,3	86,1	86,1	0,0	3 808 307	3 939 032	3,4
-Paper and paper products	3,8	108,0	108,0	0,0	11 718 162	12 341 889	5,3
-Publishing	1,9	83,2	77,7	-6,6	4 070 852	4 008 127	-1,5
-Printing, recorded media	2,5	86,2	87,9	2,0	4 955 268	5 396 473	8,9
Petroleum, chemical products, rubber and plastic products	22,1	114,3	115,6	1,1	82 144 513	92 414 915	12,5
-Coke, petroleum products and nuclear fuel	8,5	99,3	94,3	-5,0	34 369 837	39 867 922	16,0
-Basic chemicals	4,5	125,1	130,2	4,1	15 946 121	17 678 777	10,9
-Other chemical products	5,3	119,1	121,0	1,6	17 681 646	18 914 501	7,0
-Rubber products	1,0	96,0	101,9	6,1	3 449 637	3 993 496	15,8
-Plastic products	2,7	140,9	152,7	8,4	10 697 272	11 960 219	11,8
Glass and non-metallic mineral products	4,8	92,7	95,1	2,6	10 075 063	11 122 539	10,4
-Glass and glass products	1,0	103,9	106,7	2,7	1 472 253	1 714 275	16,4
-Non-metallic mineral products	3,8	89,9	92,1	2,4	8 602 810	9 408 264	9,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	96,6	92,1	-4,7	76 711 337	80 755 209	5,3
-Basic iron and steel products	7,7	93,4	75,5	-19,2	26 007 700	25 264 571	-2,9
-Non-ferrous metal products	3,4	111,4	91,7	-17,7	15 344 527	14 708 381	-4,1
-Structural metal products	2,0	89,4	95,8	7,2	6 641 413	7 878 165	18,6
-Other fabricated metal products	3,8	113,5	119,9	5,6	11 503 948	13 196 489	14,7
-General purpose machinery	2,4	69,2	77,1	11,4	6 925 634	7 958 582	14,9
-Special purpose machinery	3,1	92,7	105,3	13,6	8 045 721	9 185 636	14,2
-Household appliances	0,6	97,6	111,2	13,9	2 242 394	2 563 385	14,3
Electrical machinery	2,5	129,7	133,0	2,5	10 276 205	11 015 369	7,2
Radio, television and communication apparatus and professional equipment	1,1	98,7	103,3	4,7	3 392 756	3 695 601	8,9
-Radio, television and communication apparatus	0,4	87,7	97,3	10,9	1 504 454	1 774 648	18,0
-Professional equipment	0,7	105,7	107,1	1,3	1 888 302	1 920 953	1,7
Motor vehicles, parts and accessories and other transport equipment	10,9	100,3	106,2	5,9	42 157 580	43 545 659	3,3
-Motor vehicles	4,9	91,9	105,1	14,4	20 341 396	21 218 288	4,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	127,8	139,1	8,8	2 024 543	2 259 667	11,6
-Parts and accessories	4,7	102,5	102,9	0,4	15 604 184	15 940 023	2,2
-Other transport equipment	0,9	119,5	112,3	-6,0	4 187 457	4 127 681	-1,4
Furniture and other manufacturing division	5,2	92,6	90,3	-2,5	14 140 009	14 914 947	5,5
-Furniture	1,3	87,8	92,4	5,2	2 678 609	2 948 459	10,1
-Other manufacturing groups	3,9	94,1	89,6	-4,8	11 461 400	11 966 488	4,4
Total	100,0	102,6	103,3	0,7	338 407 006	365 807 705	8,1

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

Manufacturing division and major group	Weights 2005	Indices (base: 2005=100)				Value of sales (R million)			
		Jan. to May 2011	Jan. to May 2012	Annual % change between 2011 and 2012	Contribution (% points)	Jan. to May 2011	Jan. to May 2012	Annual % change between 2011 and 2012	Difference in sales between 2011 and 2012
Food and beverages	15,4	107,5	113,5	5,6	0,9	101 401	114 237	12,7	12 836
-Meat, fish, fruit, etc.	1,8	113,1	117,7	4,1	0,1	28 293	31 203	10,3	2 910
-Dairy products	0,8	110,9	117,1	5,6	0,1	9 275	10 529	13,5	1 254
-Grain mill products	0,8	102,9	108,6	5,5	0,0	17 356	20 682	19,2	3 326
-Other food products	5,2	99,7	105,7	6,0	0,3	22 220	24 969	12,4	2 749
-Beverages	6,8	112,2	118,5	5,6	0,4	24 257	26 854	10,7	2 597
Textiles, clothing, leather and footwear	4,9	77,6	77,9	0,4	0,0	15 196	15 852	4,3	656
-Textiles	0,7	60,8	59,3	-2,5	0,0	1 845	1 844	-0,1	-1
-Other textile products	0,9	68,5	68,0	-0,7	0,0	4 388	4 561	3,9	173
-Knitted, crocheted articles	0,2	103,3	87,0	-15,8	0,0	752	740	-1,6	-12
-Wearing apparel	2,1	77,0	77,0	0,0	0,0	5 154	5 337	3,6	183
-Leather and leather products	0,6	93,9	98,7	5,1	0,0	1 729	1 901	9,9	172
-Footwear	0,4	93,7	98,8	5,4	0,0	1 328	1 468	10,5	140
Wood and wood products, paper, publishing and printing	10,2	92,6	93,6	1,1	0,1	43 014	45 912	6,7	2 898
-Sawmilling and planing of wood	0,7	82,6	88,3	6,9	0,0	3 192	3 606	13,0	414
-Products of wood	1,3	83,8	82,8	-1,2	0,0	6 121	6 307	3,0	186
-Paper and paper products	3,8	105,3	106,8	1,4	0,1	18 613	20 071	7,8	1 458
-Publishing	1,9	81,3	82,8	1,8	0,0	6 617	7 015	6,0	398
-Printing, recorded media	2,5	88,6	88,2	-0,5	0,0	8 471	8 912	5,2	441
Petroleum, chemical products, rubber and plastic products	22,1	110,4	111,9	1,4	0,3	126 880	149 236	17,6	22 356
-Coke, petroleum products and nuclear fuel	8,5	94,4	90,4	-4,2	-0,3	50 267	65 632	30,6	15 365
-Basic chemicals	4,5	123,9	128,3	3,6	0,2	25 789	28 169	9,2	2 380
-Other chemical products	5,3	114,3	117,4	2,7	0,2	28 263	30 043	6,3	1 780
-Rubber products	1,0	94,0	100,3	6,7	0,1	5 536	6 438	16,3	902
-Plastic products	2,7	136,1	145,9	7,2	0,3	17 025	18 954	11,3	1 929
Glass and non-metallic mineral products	4,8	87,5	92,3	5,5	0,2	15 910	17 582	10,5	1 672
-Glass and glass products	1,0	107,1	107,8	0,7	0,0	2 538	2 803	10,4	265
-Non-metallic mineral products	3,8	82,6	88,4	7,0	0,2	13 372	14 779	10,5	1 407
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,3	90,6	-0,8	-0,2	122 769	130 600	6,4	7 831
-Basic iron and steel products	7,7	86,4	76,8	-11,1	-0,7	41 932	42 065	0,3	133
-Non-ferrous metal products	3,4	107,4	95,9	-10,7	-0,4	24 749	24 234	-2,1	-515
-Structural metal products	2,0	87,0	92,4	6,2	0,1	10 689	12 555	17,5	1 866
-Other fabricated metal products	3,8	107,4	116,1	8,1	0,3	18 220	21 127	16,0	2 907
-General purpose machinery	2,4	66,5	71,6	7,7	0,1	11 084	12 307	11,0	1 223
-Special purpose machinery	3,1	87,3	98,1	12,4	0,3	12 498	14 293	14,4	1 795
-Household appliances	0,6	94,9	108,1	13,9	0,1	3 598	4 018	11,7	420
Electrical machinery	2,5	125,6	124,9	-0,6	0,0	16 423	17 183	4,6	760
Radio, television and communication apparatus and professional equipment	1,1	95,3	102,2	7,2	0,1	5 604	6 093	8,7	489
-Radio, television and communication apparatus	0,4	89,0	103,2	16,0	0,1	2 648	3 016	13,9	368
-Professional equipment	0,7	99,4	101,6	2,2	0,0	2 955	3 077	4,1	122
Motor vehicles, parts and accessories and other transport equipment	10,9	99,8	102,4	2,6	0,3	67 538	69 469	2,9	1 931
-Motor vehicles	4,9	92,5	100,1	8,2	0,4	32 359	33 400	3,2	1 041
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,4	130,3	10,1	0,1	3 110	3 477	11,8	367
-Parts and accessories	4,7	102,6	101,2	-1,4	-0,1	25 446	26 086	2,5	640
-Other transport equipment	0,9	114,5	106,4	-7,1	-0,1	6 623	6 506	-1,8	-117
Furniture and other manufacturing division	5,2	91,0	88,3	-3,0	-0,1	23 694	24 216	2,2	522
-Furniture	1,3	84,5	88,6	4,9	0,1	4 263	4 621	8,4	358
-Other manufacturing groups	3,9	93,2	88,1	-5,5	-0,2	19 432	19 595	0,8	163
Total	100,0	99,1	100,8	1,7	1,7	538 429	590 378	9,6	51 949

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 2005. Both estimated and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the latest month had to be estimated for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information becomes available.
 - 4 As indicated earlier, Stats SA is continuously upgrading its BR, based on units registered for value added tax (VAT) and income tax (IT), obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate indices of the physical volume of manufacturing production. These indices provide an indicator of the real level of manufacturing activity in the economy. They are used in monitoring the state of the economy and formulation of economic policy. They are also important inputs to estimation of the gross domestic product (GDP).
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
 - the manufacturing, processing, making or packing of products;
 - the slaughtering of animals, including poultry; and
 - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of all Economic Activities (SIC)*, Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities (ISIC)* with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
- Collection rate**
- 9 The preliminary collection rate for the survey on manufacturing production and sales for May 2012 was 88,7%. Improved collection rate for April 2012 was 92,2%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

Survey methodology and design

- 11 The survey is conducted monthly. Questionnaires are sent to a sample of 3 029 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 3 029 enterprises, which was drawn in April 2011 from a population then of 51 805 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 census of manufacturing or large sample survey of the manufacturing industry. For the period 1998 to 2000, the weights are based on the 1996 Census of Manufacturing. For the period 2001 to 2004, the weights are based on the 2001 large sample survey of the manufacturing industry (LSS) and for the period 2005 to 2012, the weights are based on the 2005 LSS. Weights between census / LSS 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 D for the fixed weights which were used for the three periods 1998 to 2000, 2001 to 2004 and 2005 to 2012).

Seasonal adjustment

- 17 Seasonally adjusted estimates of all major groups are generated each month, using the X-11 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 more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.

Trend cycle	18	The trend is the long-term pattern or movement of a time series. The X-11 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 - <ul style="list-style-type: none"> • <i>Bulletin of Statistics</i> issued quarterly. • <i>SA 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.																				
Pre-release policy	24	Stats SA's pre-release policy may be inspected at its website, www.statssa.gov.za																				
Symbols and abbreviations	25	<table border="0"> <tr> <td>BSF</td> <td>Business sampling frame</td> </tr> <tr> <td>GDP</td> <td>Gross domestic product</td> </tr> <tr> <td>ISIC</td> <td>International Standard Industrial Classification</td> </tr> <tr> <td>LSS</td> <td>Large sample survey</td> </tr> <tr> <td>m</td> <td>Million</td> </tr> <tr> <td>SIC</td> <td>Standard Industrial Classification of all Economic Activities</td> </tr> <tr> <td>SARS</td> <td>South African Revenue Service</td> </tr> <tr> <td>Stats SA</td> <td>Statistics South Africa</td> </tr> <tr> <td>VAT</td> <td>Value added tax</td> </tr> <tr> <td>*</td> <td>Revised figures</td> </tr> </table>	BSF	Business sampling frame	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
BSF	Business sampling frame																					
GDP	Gross domestic product																					
ISIC	International Standard Industrial Classification																					
LSS	Large sample survey																					
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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.

$$n_h = \frac{N_h S_h}{\sum N_h S_h}$$

N_h and S_h are the stratum population size and the stratum variance respectively.

Class limits: Manufacturing

Enterprise size	Lower limits	Upper limits
Very small	0	15 000 000
Small	15 000 001	39 000 000
Medium	39 000 001	153 000 000
Large	153 000 001	

Glossary

Enterprise	The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.
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 2005. The production in the base period is set at 100.
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts (SNA)</i> in the same way as in the <i>1993 Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).
Intermediate consumption	Intermediate consumption includes - <ul style="list-style-type: none">• purchases and transfers-in of materials;• payments to other establishments for work done;• other direct factory costs;• rent and leasing paid;• head office charges;• royalties, copyright, trade names and patent rights paid;• advertising;• insurance premiums;• services; and• secretarial and administrative fees.
Output	Output is the aggregate value of goods manufactured and work done and includes - <ul style="list-style-type: none">• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;• repairs;• installation, erection and assembly;• sundry trading revenue;• sales of factored goods minus purchases of factored goods;• rent and leasing received;• royalties received;• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;• head office charges; and• other revenue. 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 - <ul style="list-style-type: none">• the value of sales and transfers out of all own manufactured products/articles;• amounts received for work done; and• amounts received for services rendered.

Turnover excludes -

- valueadded 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 the 1996 Census of Manufacturing 1998 – 2000	Weights according to the 2001 LSS of the manufacturing industry 2001 – 2004	Weights according to the 2005 LSS of the manufacturing industry 2005 – 2012
Food and beverages	15,3	16,4	15,4
-Meat, fish, fruit, etc.	2,8	2,6	1,8
-Dairy products	1,4	1,1	0,8
-Grain mill products	2,1	1,5	0,8
-Other food products	4,4	6,8	5,2
-Beverages	4,6	4,3	6,8
Textiles, clothing, leather and footwear	7,8	5,4	4,9
-Textiles	1,7	1,2	0,7
-Other textile products	1,2	1,2	0,9
-Knitted, crocheted articles	0,6	0,3	0,2
-Wearing apparel	3,0	2,0	2,1
-Tanning, dressing of leather	0,4	0,3	0,6
-Footwear	0,9	0,4	0,4
Wood and wood products, paper, publishing and printing	11,4	11,0	10,2
-Sawmilling and planing of wood	0,8	0,7	0,7
-Products of wood	1,2	1,0	1,3
-Paper and paper products	5,3	4,8	3,8
-Publishing	1,5	2,4	1,9
-Printing, recorded media	2,6	2,1	2,5
Petroleum, chemical products, rubber and plastic products	19,3	22,5	22,1
-Coke, petroleum products and nuclear fuel	4,2	9,1	8,5
-Basic chemicals	4,5	4,0	4,5
-Other chemical products	6,2	5,4	5,3
-Rubber products	1,4	1,1	1,0
-Plastic products	3,1	3,0	2,7
Glass and non-metallic mineral products	4,5	3,9	4,8
-Glass and glass products	1,0	1,1	1,0
-Non-metallic mineral products	3,5	2,9	3,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	23,6	22,4	22,9
-Basic iron and steel products	7,6	5,5	7,7
-Non-ferrous metal products	3,2	4,7	3,4
-Structural metal products	2,4	1,3	2,0
-Other fabricated metal products	4,6	4,2	3,8
-General purpose machinery	2,5	2,4	2,4
-Special purpose machinery	2,9	3,2	3,1
-Household appliances	0,4	1,2	0,6
Electrical machinery	3,4	2,7	2,5
Radio, television and communication apparatus and professional equipment	1,5	1,3	1,1
-Radio, television and communication apparatus	1,0	0,7	0,4
-Professional equipment	0,5	0,6	0,7
Motor vehicles, parts and accessories and other transport equipment	9,1	8,6	10,9
-Motor vehicles	4,5	4,1	4,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	0,4	0,5
-Parts and accessories	3,0	3,1	4,7
-Other transport equipment	1,0	1,0	0,9
Other manufacturing divisions	4,1	5,8	5,2
-Furniture	1,6	1,6	1,3
-Other manufacturing groups	2,6	4,2	3,9
Total	100,0	100,0	100,0

General information

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

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