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Key figures for June 2012

Table A – Manufacturing production and sales

Estimates	June 2012	% change between June 2011 and June 2012	% change between April to June 2011 and April to June 2012	% change between January to June 2011 and January to June 2012
Physical volume of manufacturing production index (base: 2005=100)	105,7	0,8	2,0	1,5
Total estimated sales of manufactured products (R million)	125 780	7,0	8,7	9,2

Seasonally adjusted estimates	June 2012	% change between May and June 2012	% change between January to March 2012 and April to June 2012
Physical volume of manufacturing production index (base: 2005=100)	104,6	-2,4	-0,2
Total value of sales of manufactured products (R million)	123 054	-2,1	-0,3

Manufacturing production increased by 2,0% in the second quarter of 2012 compared with the second quarter of 2011. Nine of the ten manufacturing divisions reported positive growth over this period.

The annual increase of 2,0% in the second quarter of 2012 was mainly due to higher production in the following divisions:

- food and beverages (6,4% and contributing 1,1 percentage points);
- motor vehicles, parts and accessories and other transport equipment (8,7% and contributing 0,9 of a percentage point); and
- petroleum, chemical products, rubber and plastic products (3,5% and contributing 0,9 of a percentage point).

The basic iron and steel, non-ferrous metal products, metal products and machinery division decreased by 5,8% year-on-year in the second quarter of 2012 (contributing -1,2 percentage points) (see Table 9).

Manufacturing production for June 2012 increased by 0,8% compared with June 2011.

The 0,8% year-on-year increase in manufacturing production in June 2012 was mainly due to higher production in the following divisions:

- petroleum, chemical products, rubber and plastic products (4,3% and contributing 1,1 percentage points);
- food and beverages (2,6% and contributing 0,4 of a percentage point); and
- wood and wood products, paper, publishing and printing (2,4% and contributing 0,2 of a percentage point) (see Table 4b).

Seasonally adjusted manufacturing production decreased by 0,2% in the second quarter of 2012 compared with the first quarter of 2012. Five 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 (-6,2% and contributing -1,3 percentage points);
- the wood and wood products, paper, publishing and printing division (-4,8% and contributing -0,5 of a percentage point); and
- the glass and non-metallic products division (-1,2% and contributing -0,1 of a percentage point) (see Table B).

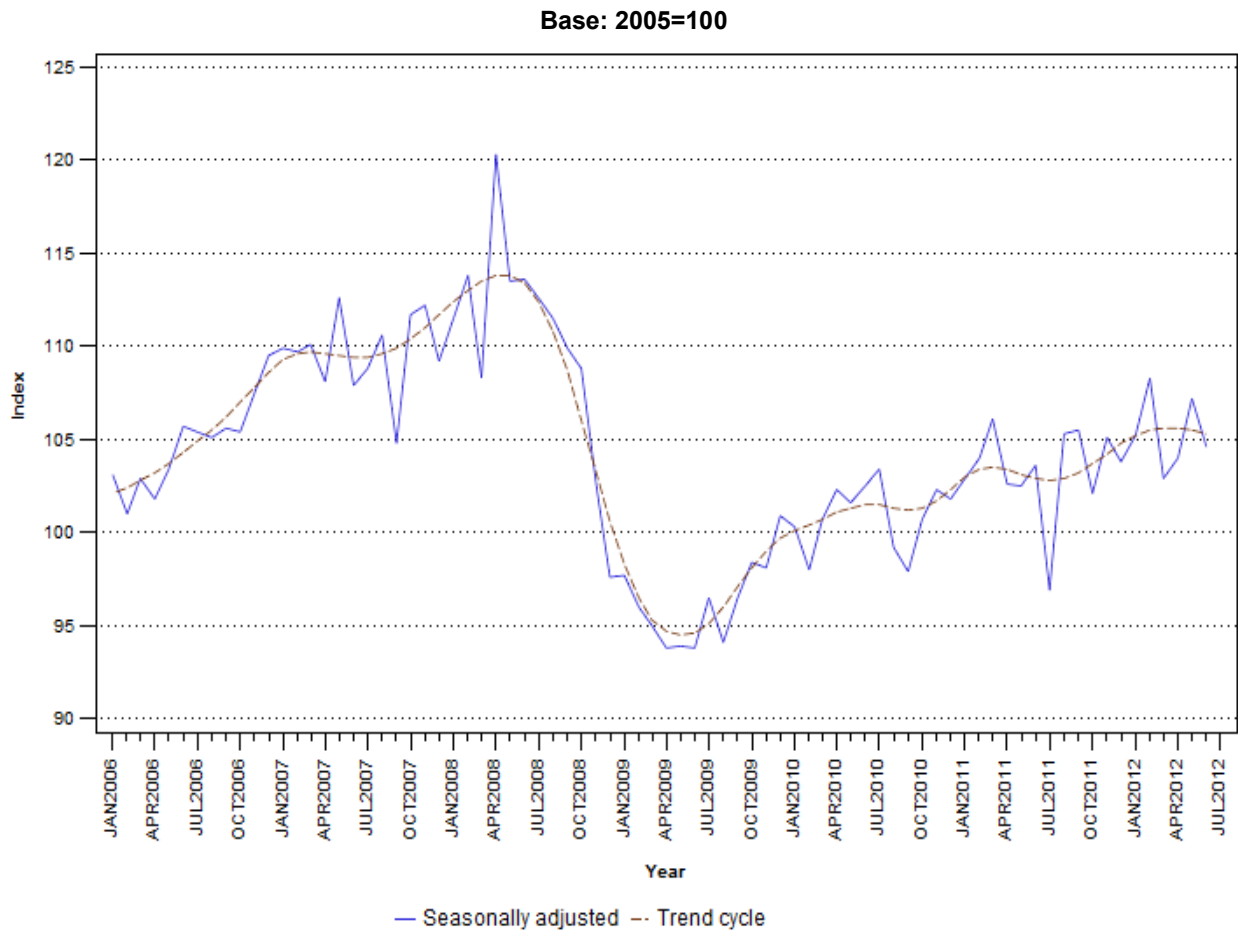
Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production

Base: 2005=100

Manufacturing divisions and major groups	Weights 2005	Average seasonally adjusted production index for January to March 2012	Average seasonally adjusted production index for April to June 2012	Quarterly % change of April to June 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	121,5	123,2	1,4	0,2
-Meat, fish, fruit, etc.	1,8	119,7	123,8	3,4	0,1
-Dairy products	0,8	123,0	122,9	-0,1	0,0
-Grain mill products	0,8	111,3	115,3	3,6	0,0
-Other food products	5,2	115,8	123,1	6,3	0,4
-Beverages	6,8	127,5	124,2	-2,6	-0,2
Textiles, clothing, leather and footwear	4,9	82,0	81,8	-0,2	0,0
-Textiles	1,6	68,2	64,9	-4,8	-0,1
-Wearing apparel	2,3	80,7	83,6	3,6	0,1
-Leather and leather products	0,6	100,3	100,1	-0,2	0,0
-Footwear	0,4	113,7	108,0	-5,0	0,0
Wood and wood products, paper, publishing and printing	10,2	100,4	95,6	-4,8	-0,5
-Wood and products of wood	2,0	88,2	88,0	-0,2	0,0
-Paper and paper products	3,8	113,0	111,5	-1,3	-0,1
-Publishing and printing	4,3	94,9	84,9	-10,5	-0,4
Petroleum, chemical products, rubber and plastic products	22,1	115,6	117,6	1,7	0,4
-Coke, petroleum products and nuclear fuel	8,5	91,5	92,7	1,3	0,1
-Basic chemicals	4,5	137,2	132,0	-3,8	-0,2
-Other chemical products	5,3	121,0	127,8	5,6	0,3
-Rubber products	1,0	99,5	100,7	1,2	0,0
-Plastic products	2,7	150,6	157,7	4,7	0,2
Glass and non-metallic mineral products	4,8	99,4	98,2	-1,2	-0,1
-Glass and glass products	1,0	118,1	115,7	-2,0	0,0
-Non-metallic mineral products	3,8	94,7	93,9	-0,8	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	95,1	89,2	-6,2	-1,3
-Basic iron and steel products	7,7	81,3	69,6	-14,4	-0,9
-Basic precious, non-ferrous metal products	3,4	103,5	86,4	-16,5	-0,6
-Fabricated metal products	5,7	112,4	110,4	-1,8	-0,1
-Machinery and equipment	6,1	91,4	95,7	4,7	0,2
Electrical machinery	2,5	126,5	132,2	4,5	0,1
Radio, television and communication apparatus and professional equipment	1,1	109,2	108,4	-0,7	0,0
-Radio, television and communication apparatus	0,4	113,5	111,4	-1,9	0,0
-Professional equipment	0,7	106,6	106,6	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	103,4	109,4	5,8	0,6
-Motor vehicles	4,9	99,2	112,1	13,0	0,6
-Bodies for motor vehicles, trailers and semi-trailers	0,5	136,6	134,9	-1,2	0,0
-Parts and accessories	4,7	104,0	103,0	-1,0	0,0
-Other transport equipment	0,9	105,9	115,3	8,9	0,1
Furniture and other manufacturing division	5,2	91,2	95,4	4,6	0,2
-Furniture	1,3	99,5	97,9	-1,6	0,0
-Other manufacturing groups	3,9	88,5	94,5	6,8	0,2
Total	100,0	105,5	105,3	-0,2	-0,2

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 – 2012



Seasonally adjusted sales of manufactured products (at current prices) decreased by 0,3% (-R976 million) in the second quarter of 2012 compared with the first quarter of 2012. Four of the ten manufacturing divisions reported negative growth rates over this period (see Table C).

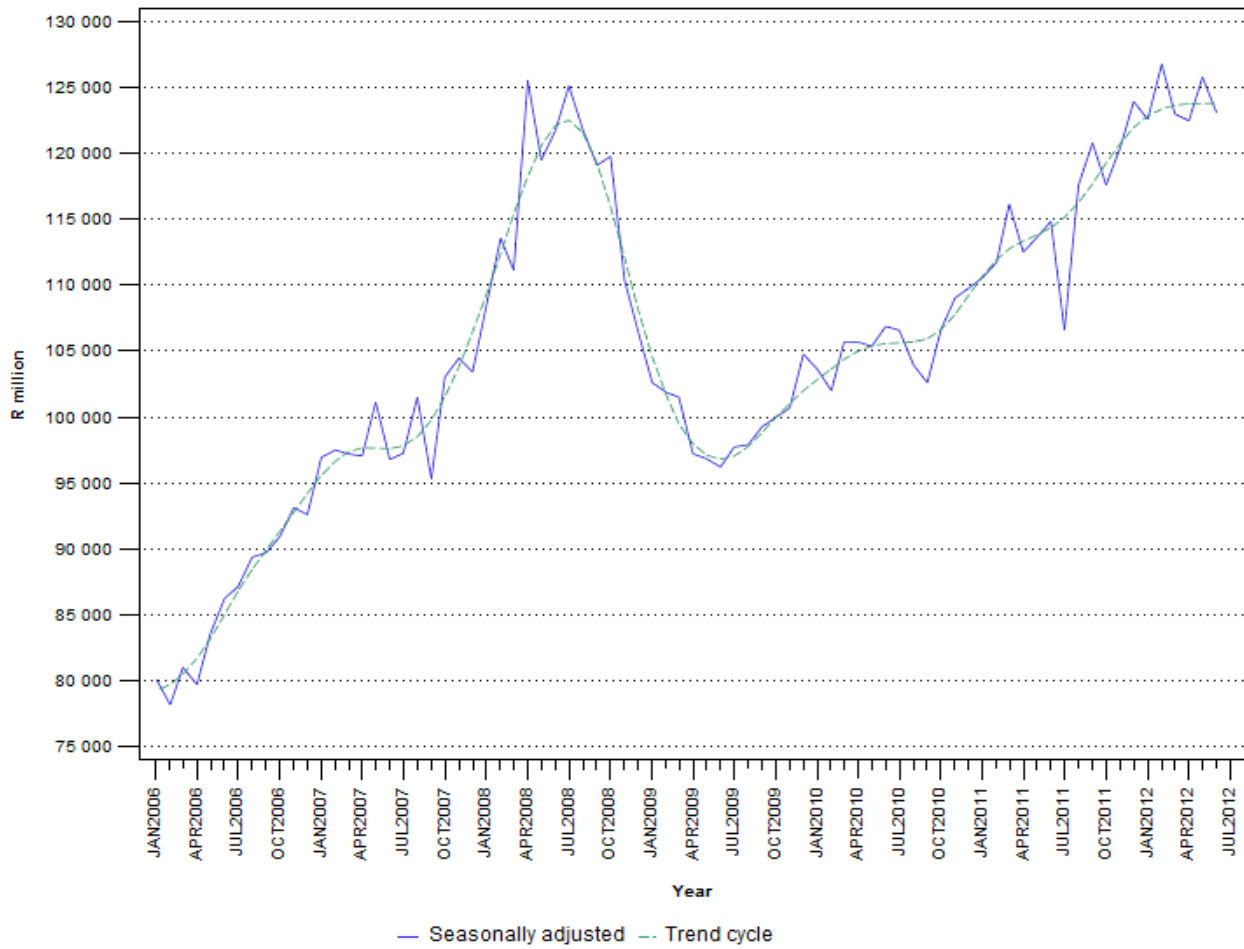
The three manufacturing divisions that were mainly responsible for the decrease in total manufacturing sales were:

- basic iron and steel, non-ferrous metal products, metal products and machinery (-2,6% or -R2 149 million);
- petroleum, chemical products, rubber and plastic products (-1,3% or -R1 247 million); and
- wood and wood products, paper, publishing and printing (-3,6% or -R1 064 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 2012	Seasonally adjusted sales April to June 2012	% change between January to March 2012 and April to June 2012	Difference in seasonally adjusted sales of manufacturing divisions between January to March 2012 and April to June 2012
	R'000	R'000	%	R'000
Food and beverages	72 520 700	73 290 459	1,1	769 759
-Food and food products	54 980 299	55 905 609	1,7	925 310
-Beverages	17 540 401	17 384 851	-0,9	-155 550
Textiles, clothing, leather and footwear	10 026 638	10 064 825	0,4	38 187
-Textiles	4 058 146	3 928 969	-3,2	-129 177
-Wearing apparel	3 788 603	3 939 804	4,0	151 201
-Leather and leather products	1 152 319	1 166 219	1,2	13 900
-Footwear	1 027 571	1 029 832	0,2	2 261
Wood and wood products, paper, publishing and printing	29 487 624	28 423 257	-3,6	-1 064 367
-Wood and products of wood	6 264 443	6 243 501	-0,3	-20 942
-Paper and paper products	12 795 800	12 658 450	-1,1	-137 350
-Publishing and printing	10 427 381	9 521 306	-8,7	-906 075
Petroleum, chemical products, rubber and plastic products	94 702 061	93 454 726	-1,3	-1 247 335
-Coke, petroleum products and nuclear fuel	42 395 279	38 289 226	-9,7	-4 106 053
-Basic chemicals	17 715 613	18 767 501	5,9	1 051 888
-Other chemical products	18 870 901	19 927 032	5,6	1 056 131
-Rubber products	3 920 849	3 961 055	1,0	40 206
-Plastic products	11 799 421	12 509 911	6,0	710 490
Glass and non-metallic mineral products	11 194 233	11 508 931	2,8	314 698
-Glass and glass products	1 874 627	1 941 918	3,6	67 291
-Non-metallic mineral products	9 319 605	9 567 013	2,7	247 408
Basic iron and steel, non-ferrous metal products, metal products and machinery	81 987 478	79 838 433	-2,6	-2 149 045
-Basic iron and steel products	26 376 081	23 961 199	-9,2	-2 414 882
-Basic precious, non-ferrous metal products	15 492 427	14 840 612	-4,2	-651 815
-Fabricated metal products	21 149 371	21 251 280	0,5	101 909
-Machinery and equipment	18 969 598	19 785 341	4,3	815 743
Electrical machinery	10 682 513	10 714 203	0,3	31 690
Radio, television and communication apparatus and professional equipment	3 977 928	3 939 501	-1,0	-38 427
-Radio, television and communication apparatus	2 043 002	2 009 204	-1,7	-33 798
-Professional equipment	1 934 926	1 930 296	-0,2	-4 630
Motor vehicles, parts and accessories and other transport equipment	42 608 570	44 817 962	5,2	2 209 392
-Motor vehicles, trailers, parts and accessories	38 710 529	40 602 900	4,9	1 892 371
-Other transport equipment	3 898 040	4 215 062	8,1	317 022
Furniture and other manufacturing division	15 022 267	15 181 837	1,1	159 570
-Furniture	3 107 130	3 120 323	0,4	13 193
-Other manufacturing groups	11 915 137	12 061 515	1,2	146 378
Total	372 210 015	371 234 134	-0,3	-975 881

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



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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	107,2
Apr	95,6	101,0	111,9	87,1	94,6	94,7	1/ 95,5
May	104,3	113,4	114,3	94,1	101,9	102,8	1/ 107,3
Jun	106,7	109,2	115,1	94,9	103,8	104,9	1/ 105,7
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	0,8
May	3,9	8,7	0,8	-17,7	8,3	0,9	4,4
Jun	6,4	2,3	5,4	-17,5	9,4	1,1	0,8
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	97,7	100,3	102,9	105,2
Feb	101,0	109,7	113,8	96,0	98,0	104,0	108,3
Mar	102,9	110,1	108,3	95,0	100,7	106,1	102,9
Apr	101,8	108,1	120,3	93,8	102,3	102,6	104,0
May	103,4	112,6	113,5	93,9	101,6	102,5	107,2
Jun	105,7	107,9	113,6	93,8	102,5	103,6	104,6
Jul	105,4	108,8	112,6	96,5	103,4	96,9	
Aug	105,1	110,6	111,5	94,1	99,2	105,3	
Sep	105,6	104,8	109,9	96,5	97,9	105,5	
Oct	105,4	111,7	108,8	98,4	100,7	102,1	
Nov	107,5	112,2	102,7	98,1	102,3	105,1	
Dec	109,5	109,2	97,6	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 divisions and major groups	Weights 2005	Average for 2011	Actual indices			Seasonally adjusted indices		
			June 2011	1/ May 2012	1/ June 2012	June 2011	May 2012	June 2012
Food and beverages	15,4	119,2	114,4	124,2	117,4	115,9	127,8	119,6
-Meat, fish, fruit, etc.	1,8	120,2	119,8	129,2	122,0	119,2	128,3	121,6
-Dairy products	0,8	118,1	101,7	113,7	111,5	112,6	125,0	123,9
-Grain mill products	0,8	109,3	109,2	116,5	116,3	106,4	117,5	113,6
-Other food products	5,2	115,8	128,3	139,8	126,9	113,8	132,9	112,5
-Beverages	6,8	123,0	104,4	113,1	109,8	118,1	125,5	124,6
Textiles, clothing, leather and footwear	4,9	81,9	81,3	82,8	81,3	81,8	82,0	81,7
-Textiles	0,7	60,5	62,4	59,2	52,2	61,1	55,4	51,2
-Other textile products	0,9	72,7	74,0	69,5	75,5	73,2	70,5	74,6
-Knitted, crocheted articles	0,2	90,2	95,3	97,3	69,9	91,8	81,6	67,7
-Wearing apparel	2,1	83,2	80,5	81,9	83,1	82,6	83,2	84,9
-Leather and leather products	0,6	95,0	96,7	109,8	106,0	91,8	105,2	100,6
-Footwear	0,4	106,2	102,8	108,5	98,7	110,5	108,9	106,4
Wood and wood products, paper, publishing and printing	10,2	97,7	95,4	95,2	97,7	95,1	95,7	97,4
-Sawmilling and planing of wood	0,7	87,0	90,2	91,4	88,5	91,2	90,8	89,6
-Products of wood	1,3	88,5	91,0	88,0	88,0	88,1	87,3	85,6
-Paper and paper products	3,8	110,9	111,5	109,9	117,5	106,8	111,6	112,4
-Publishing	1,9	87,0	80,7	77,4	80,9	82,8	77,3	83,2
-Printing, recorded media	2,5	93,0	85,2	90,8	87,1	91,0	90,8	92,9
Petroleum, chemical products, rubber and plastic products	22,1	113,0	115,7	118,5	120,7	113,5	118,9	118,5
-Coke, petroleum products and nuclear fuel	8,5	88,7	96,5	94,8	100,7	90,2	90,8	93,8
-Basic chemicals	4,5	131,9	131,5	132,0	126,4	131,6	135,0	126,6
-Other chemical products	5,3	121,6	121,5	126,6	133,6	121,6	131,5	133,7
-Rubber products	1,0	96,7	93,9	106,7	101,6	94,1	104,2	102,0
-Plastic products	2,7	146,9	145,7	158,8	155,5	147,8	161,3	158,4
Glass and non-metallic mineral products	4,8	96,6	99,6	100,1	99,2	96,5	100,4	95,9
-Glass and glass products	1,0	116,4	110,4	107,5	109,7	112,9	118,4	112,2
-Non-metallic mineral products	3,8	91,7	96,9	98,2	96,6	92,4	95,9	91,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,8	93,3	91,7	88,6	92,2	90,1	87,7
-Basic iron and steel products	7,7	78,4	77,3	72,8	69,9	74,0	68,5	67,2
-Non-ferrous metal products	3,4	109,2	107,4	86,7	80,4	110,2	85,6	82,5
-Structural metal products	2,0	89,9	94,8	92,3	92,6	91,9	91,1	90,2
-Other fabricated metal products	3,8	112,0	117,9	128,5	122,6	116,3	123,8	121,4
-General purpose machinery	2,4	72,7	77,5	81,5	77,3	79,5	82,7	79,3
-Special purpose machinery	3,1	95,1	96,3	101,9	104,8	96,1	108,0	104,1
-Household appliances	0,6	101,4	103,9	117,9	110,7	103,4	116,9	109,8
Electrical machinery	2,5	130,0	132,9	138,9	132,3	131,3	144,1	130,0
Radio, television and communication apparatus and professional equipment	1,1	105,9	107,3	107,7	112,6	104,0	107,9	109,7
-Radio, television and communication apparatus	0,4	104,2	97,4	101,3	117,6	97,0	108,6	117,8
-Professional equipment	0,7	107,0	113,5	111,8	109,4	108,5	107,4	104,6
Motor vehicles, parts and accessories and other transport equipment	10,9	103,1	112,5	114,2	113,9	108,8	110,7	110,0
-Motor vehicles	4,9	96,5	108,0	112,9	116,6	105,8	110,9	113,7
-Bodies for motor vehicles, trailers and semi-trailers	0,5	126,9	137,2	148,5	134,1	129,6	142,5	126,6
-Parts and accessories	4,7	104,7	110,4	112,3	105,8	107,8	106,9	103,4
-Other transport equipment	0,9	117,7	134,5	113,6	130,1	119,7	112,1	115,8
Furniture and other manufacturing division	5,2	92,9	98,0	101,9	96,0	95,4	99,4	94,2
-Furniture	1,3	93,8	92,4	97,6	97,5	92,1	97,5	97,3
-Other manufacturing groups	3,9	92,6	99,9	103,3	95,4	96,5	100,0	93,1
Total	100,0	103,5	104,9	107,3	105,7	103,6	107,2	104,6

1/ Preliminary.

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

Base: 2005=100

Manufacturing divisions and major groups	Weights 2005	Average for 2011	Actual indices			Seasonally adjusted indices		
			June 2011	1/ June 2012	% change between June 2011 and June 2012	May 2012	June 2012	% change between May and June 2012
Food and beverages	15,4	119,2	114,4	117,4	2,6	127,8	119,6	-6,4
-Meat, fish, fruit, etc.	1,8	120,2	119,8	122,0	1,8	128,3	121,6	-5,2
-Dairy products	0,8	118,1	101,7	111,5	9,6	125,0	123,9	-0,9
-Grain mill products	0,8	109,3	109,2	116,3	6,5	117,5	113,6	-3,3
-Other food products	5,2	115,8	128,3	126,9	-1,1	132,9	112,5	-15,3
-Beverages	6,8	123,0	104,4	109,8	5,2	125,5	124,6	-0,7
Textiles, clothing, leather and footwear	4,9	81,9	81,3	81,3	0,0	82,0	81,7	-0,4
-Textiles	0,7	60,5	62,4	52,2	-16,3	55,4	51,2	-7,6
-Other textile products	0,9	72,7	74,0	75,5	2,0	70,5	74,6	5,8
-Knitted, crocheted articles	0,2	90,2	95,3	69,9	-26,7	81,6	67,7	-17,0
-Wearing apparel	2,1	83,2	80,5	83,1	3,2	83,2	84,9	2,0
-Leather and leather products	0,6	95,0	96,7	106,0	9,6	105,2	100,6	-4,4
-Footwear	0,4	106,2	102,8	98,7	-4,0	108,9	106,4	-2,3
Wood and wood products, paper, publishing and printing	10,2	97,7	95,4	97,7	2,4	95,7	97,4	1,8
-Sawmilling and planing of wood	0,7	87,0	90,2	88,5	-1,9	90,8	89,6	-1,3
-Products of wood	1,3	88,5	91,0	88,0	-3,3	87,3	85,6	-1,9
-Paper and paper products	3,8	110,9	111,5	117,5	5,4	111,6	112,4	0,7
-Publishing	1,9	87,0	80,7	80,9	0,2	77,3	83,2	7,6
-Printing, recorded media	2,5	93,0	85,2	87,1	2,2	90,8	92,9	2,3
Petroleum, chemical products, rubber and plastic products	22,1	113,0	115,7	120,7	4,3	118,9	118,5	-0,3
-Coke, petroleum products and nuclear fuel	8,5	88,7	96,5	100,7	4,4	90,8	93,8	3,3
-Basic chemicals	4,5	131,9	131,5	126,4	-3,9	135,0	126,6	-6,2
-Other chemical products	5,3	121,6	121,5	133,6	10,0	131,5	133,7	1,7
-Rubber products	1,0	96,7	93,9	101,6	8,2	104,2	102,0	-2,1
-Plastic products	2,7	146,9	145,7	155,5	6,7	161,3	158,4	-1,8
Glass and non-metallic mineral products	4,8	96,6	99,6	99,2	-0,4	100,4	95,9	-4,5
-Glass and glass products	1,0	116,4	110,4	109,7	-0,6	118,4	112,2	-5,2
-Non-metallic mineral products	3,8	91,7	96,9	96,6	-0,3	95,9	91,8	-4,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,8	93,3	88,6	-5,0	90,1	87,7	-2,7
-Basic iron and steel products	7,7	78,4	77,3	69,9	-9,6	68,5	67,2	-1,9
-Non-ferrous metal products	3,4	109,2	107,4	80,4	-25,1	85,6	82,5	-3,6
-Structural metal products	2,0	89,9	94,8	92,6	-2,3	91,1	90,2	-1,0
-Other fabricated metal products	3,8	112,0	117,9	122,6	4,0	123,8	121,4	-1,9
-General purpose machinery	2,4	72,7	77,5	77,3	-0,3	82,7	79,3	-4,1
-Special purpose machinery	3,1	95,1	96,3	104,8	8,8	108,0	104,1	-3,6
-Household appliances	0,6	101,4	103,9	110,7	6,5	116,9	109,8	-6,1
Electrical machinery	2,5	130,0	132,9	132,3	-0,5	144,1	130,0	-9,8
Radio, television and communication apparatus and professional equipment	1,1	105,9	107,3	112,6	4,9	107,9	109,7	1,7
-Radio, television and communication apparatus	0,4	104,2	97,4	117,6	20,7	108,6	117,8	8,5
-Professional equipment	0,7	107,0	113,5	109,4	-3,6	107,4	104,6	-2,6
Motor vehicles, parts and accessories and other transport equipment	10,9	103,1	112,5	113,9	1,2	110,7	110,0	-0,6
-Motor vehicles	4,9	96,5	108,0	116,6	8,0	110,9	113,7	2,5
-Bodies for motor vehicles, trailers and semi-trailers	0,5	126,9	137,2	134,1	-2,3	142,5	126,6	-11,2
-Parts and accessories	4,7	104,7	110,4	105,8	-4,2	106,9	103,4	-3,3
-Other transport equipment	0,9	117,7	134,5	130,1	-3,3	112,1	115,8	3,3
Furniture and other manufacturing division	5,2	92,9	98,0	96,0	-2,0	99,4	94,2	-5,2
-Furniture	1,3	93,8	92,4	97,5	5,5	97,5	97,3	-0,2
-Other manufacturing groups	3,9	92,6	99,9	95,4	-4,5	100,0	93,1	-6,9
Total	100,0	103,5	104,9	105,7	0,8	107,2	104,6	-2,4

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	128 106 986
Apr	74 690 973	90 606 196	116 896 823	90 156 553	97 707 572	103 921 168	1/ 112 860 702
May	83 925 122	101 641 507	120 173 410	96 487 420	105 089 142	113 377 474	1/ 125 192 742
Jun	87 683 125	98 764 796	124 811 522	98 161 671	109 279 984	117 502 258	1/ 125 779 707
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	10,4
Jun	13,4	12,6	26,4	-21,4	11,3	7,5	7,0
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	80 143 438	96 943 366	108 496 059	102 602 984	103 613 221	110 542 587	122 538 702
Feb	78 206 883	97 501 585	113 537 695	101 862 037	101 979 308	111 710 720	126 728 595
Mar	81 040 210	97 199 068	111 124 180	101 501 935	105 698 305	116 117 903	122 942 718
Apr	79 728 116	97 050 518	125 496 332	97 215 348	105 677 397	112 491 116	122 442 979
May	83 629 348	101 133 888	119 452 981	96 840 334	105 346 681	113 590 267	125 736 940
Jun	86 253 525	96 787 423	121 694 070	96 211 265	106 858 660	114 832 537	123 054 215
Jul	87 160 523	97 247 106	125 081 985	97 723 420	106 571 959	106 588 983	
Aug	89 384 691	101 491 796	121 738 404	97 896 338	103 962 925	117 567 445	
Sep	89 731 353	95 319 921	119 064 744	99 270 266	102 593 834	120 750 152	
Oct	90 925 597	103 035 071	119 739 006	99 971 303	106 607 181	117 566 948	
Nov	93 132 036	104 457 835	110 344 328	100 682 425	109 006 477	120 376 305	
Dec	92 607 938	103 407 400	106 459 116	104 759 747	109 753 860	123 891 938	

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 2011	Actual values			Seasonally adjusted values		
		June 2011	1/ May 2012	1/ June 2012	June 2011	May 2012	June 2012
Food and beverages	270 534 109	21 625 390	24 019 029	23 647 109	21 947 640	25 176 790	24 046 853
-Meat, fish, fruit, etc.	74 871 928	6 037 343	6 842 410	6 625 819	6 081 100	6 875 122	6 696 023
-Dairy products	23 913 027	1 779 080	2 148 957	2 082 365	1 949 885	2 281 679	2 286 152
-Grain mill products	46 404 334	3 990 046	4 357 652	4 371 891	3 870 848	4 421 823	4 240 157
-Other food products	59 168 379	5 098 530	5 398 125	5 402 890	4 863 594	5 449 344	5 157 630
-Beverages	66 176 441	4 720 391	5 271 885	5 164 144	5 182 213	6 148 822	5 666 891
Textiles, clothing, leather and footwear	39 156 685	3 261 951	3 440 850	3 403 252	3 263 111	3 370 997	3 407 179
-Textiles	4 426 801	378 740	375 348	344 389	359 076	353 614	326 965
-Other textile products	11 406 902	949 879	963 562	1 039 091	939 941	933 315	1 029 110
-Knitted, crocheted articles	1 706 878	155 478	166 208	119 516	148 250	137 163	114 392
-Wearing apparel	13 551 246	1 084 432	1 191 093	1 165 548	1 112 417	1 195 652	1 194 448
-Leather and leather products	4 274 369	386 125	414 120	414 857	372 025	404 920	398 137
-Footwear	3 790 489	307 297	330 519	319 851	331 403	346 333	344 127
Wood and wood products, paper, publishing and printing	111 053 790	9 190 411	9 468 058	9 879 172	8 959 191	9 446 941	9 631 728
-Sawmilling and planing of wood	8 330 875	712 199	748 231	733 838	721 113	760 041	746 669
-Products of wood	15 601 183	1 305 583	1 322 623	1 387 765	1 263 985	1 310 657	1 351 453
-Paper and paper products	48 575 169	4 219 271	4 217 452	4 577 713	3 892 213	4 215 839	4 212 468
-Publishing	17 005 356	1 291 169	1 318 794	1 388 991	1 317 423	1 314 291	1 422 784
-Printing, recorded media	21 541 207	1 662 189	1 860 958	1 790 865	1 764 458	1 846 112	1 898 355
Petroleum, chemical products, rubber and plastic products	327 052 200	28 137 652	31 700 805	31 811 813	27 064 848	31 680 714	30 559 090
-Coke, petroleum products and nuclear fuel	125 525 877	11 149 501	13 365 745	13 342 916	10 181 943	12 760 069	12 195 790
-Basic chemicals	68 965 227	6 125 099	6 165 124	6 042 367	5 954 989	6 434 093	5 865 154
-Other chemical products	73 150 065	6 017 880	6 611 721	6 929 433	6 016 524	6 854 883	6 917 146
-Rubber products	14 593 850	1 163 870	1 356 011	1 337 911	1 168 363	1 370 014	1 348 214
-Plastic products	44 817 181	3 681 302	4 202 204	4 159 186	3 743 029	4 261 655	4 232 785
Glass and non-metallic mineral products	42 523 531	3 644 229	3 960 699	3 840 503	3 581 211	3 996 922	3 771 570
-Glass and glass products	7 094 686	556 664	588 329	610 896	575 739	659 923	634 032
-Non-metallic mineral products	35 428 845	3 087 565	3 372 370	3 229 607	3 005 472	3 336 999	3 137 538
Basic iron and steel, non-ferrous metal products, metal products and machinery	306 476 014	26 914 751	27 577 147	27 106 407	25 932 179	27 295 395	26 164 076
-Basic iron and steel products	97 801 939	8 836 965	8 753 815	8 328 646	8 037 598	8 213 949	7 569 558
-Non-ferrous metal products	61 809 327	5 245 669	4 837 907	5 080 077	5 234 679	4 815 625	5 086 717
-Structural metal products	27 396 728	2 335 302	2 545 825	2 647 571	2 262 353	2 548 164	2 569 491
-Other fabricated metal products	47 606 035	4 069 612	4 778 686	4 552 408	3 969 237	4 780 792	4 443 474
-General purpose machinery	29 673 250	2 666 296	2 832 557	2 715 124	2 626 307	2 911 920	2 673 046
-Special purpose machinery	33 013 046	2 989 799	2 974 830	2 984 682	3 016 289	3 178 916	3 011 721
-Household appliances	9 175 689	771 108	853 527	797 899	785 718	846 030	810 069
-Electrical machinery	41 523 810	3 523 797	3 766 650	3 683 873	3 452 610	3 686 180	3 603 266
Radio, television and communication apparatus and professional equipment	15 336 222	1 240 520	1 280 196	1 395 696	1 204 933	1 315 247	1 368 424
-Radio, television and communication apparatus	7 676 027	554 326	608 127	713 376	567 461	674 713	736 126
-Professional equipment	7 660 195	686 194	672 069	682 320	637 472	640 534	632 298
Motor vehicles, parts and accessories and other transport equipment	173 977 223	15 040 606	14 769 744	16 137 959	14 583 301	14 489 039	15 685 805
-Motor vehicles	86 281 272	7 190 297	7 153 104	8 300 152	7 141 326	7 118 009	8 250 337
-Bodies for motor vehicles, trailers and semi-trailers	8 299 507	728 017	834 860	734 193	689 308	838 564	693 088
-Parts and accessories	62 802 464	5 542 939	5 386 845	5 508 496	5 362 223	5 158 946	5 334 518
-Other transport equipment	16 593 980	1 579 353	1 394 935	1 595 118	1 390 444	1 373 520	1 407 863
Furniture and other manufacturing division	59 138 140	4 922 951	5 209 564	4 873 923	4 843 511	5 278 715	4 816 223
-Furniture	11 613 033	941 899	1 039 204	1 031 243	949 605	1 038 688	1 041 041
-Other manufacturing groups	47 525 107	3 981 052	4 170 360	3 842 680	3 893 906	4 240 027	3 775 182
Total	1 386 771 724	117 502 258	125 192 742	125 779 707	114 832 537	125 736 940	123 054 215

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 2011	Actual values			Seasonally adjusted values		
		June 2011	1/ June 2012	% change between June 2011 and June 2012	May 2012	June 2012	% change between May and June 2012
Food and beverages	270 534 109	21 625 390	23 647 109	9,3	25 176 790	24 046 853	-4,5
-Meat, fish, fruit, etc.	74 871 928	6 037 343	6 625 819	9,7	6 875 122	6 696 023	-2,6
-Dairy products	23 913 027	1 779 080	2 082 365	17,0	2 281 679	2 286 152	0,2
-Grain mill products	46 404 334	3 990 046	4 371 891	9,6	4 421 823	4 240 157	-4,1
-Other food products	59 168 379	5 098 530	5 402 890	6,0	5 449 344	5 157 630	-5,4
-Beverages	66 176 441	4 720 391	5 164 144	9,4	6 148 822	5 666 891	-7,8
Textiles, clothing, leather and footwear	39 156 685	3 261 951	3 403 252	4,3	3 370 997	3 407 179	1,1
-Textiles	4 426 801	378 740	344 389	-9,1	353 614	326 965	-7,5
-Other textile products	11 406 902	949 879	1 039 091	9,4	933 315	1 029 110	10,3
-Knitted, crocheted articles	1 706 878	155 478	119 516	-23,1	137 163	114 392	-16,6
-Wearing apparel	13 551 246	1 084 432	1 165 548	7,5	1 195 652	1 194 448	-0,1
-Leather and leather products	4 274 369	386 125	414 857	7,4	404 920	398 137	-1,7
-Footwear	3 790 489	307 297	319 851	4,1	346 333	344 127	-0,6
Wood and wood products, paper, publishing and printing	111 053 790	9 190 411	9 879 172	7,5	9 446 941	9 631 728	2,0
-Sawmilling and planing of wood	8 330 875	712 199	733 838	3,0	760 041	746 669	-1,8
-Products of wood	15 601 183	1 305 583	1 387 765	6,3	1 310 657	1 351 453	3,1
-Paper and paper products	48 575 169	4 219 271	4 577 713	8,5	4 215 839	4 212 468	-0,1
-Publishing	17 005 356	1 291 169	1 388 991	7,6	1 314 291	1 422 784	8,3
-Printing, recorded media	21 541 207	1 662 189	1 790 865	7,7	1 846 112	1 898 355	2,8
Petroleum, chemical products, rubber and plastic products	327 052 200	28 137 652	31 811 813	13,1	31 680 714	30 559 090	-3,5
-Coke, petroleum products and nuclear fuel	125 525 877	11 149 501	13 342 916	19,7	12 760 069	12 195 790	-4,4
-Basic chemicals	68 965 227	6 125 099	6 042 367	-1,4	6 434 093	5 865 154	-8,8
-Other chemical products	73 150 065	6 017 880	6 929 433	15,1	6 854 883	6 917 146	0,9
-Rubber products	14 593 850	1 163 870	1 337 911	15,0	1 370 014	1 348 214	-1,6
-Plastic products	44 817 181	3 681 302	4 159 186	13,0	4 261 655	4 232 785	-0,7
Glass and non-metallic mineral products	42 523 531	3 644 229	3 840 503	5,4	3 996 922	3 771 570	-5,6
-Glass and glass products	7 094 686	556 664	610 896	9,7	659 923	634 032	-3,9
-Non-metallic mineral products	35 428 845	3 087 565	3 229 607	4,6	3 336 999	3 137 538	-6,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	306 476 014	26 914 751	27 106 407	0,7	27 295 395	26 164 076	-4,1
-Basic iron and steel products	97 801 939	8 836 965	8 328 646	-5,8	8 213 949	7 569 558	-7,8
-Non-ferrous metal products	61 809 327	5 245 669	5 080 077	-3,2	4 815 625	5 086 717	5,6
-Structural metal products	27 396 728	2 335 302	2 647 571	13,4	2 548 164	2 569 491	0,8
-Other fabricated metal products	47 606 035	4 069 612	4 552 408	11,9	4 780 792	4 443 474	-7,1
-General purpose machinery	29 673 250	2 666 296	2 715 124	1,8	2 911 920	2 673 046	-8,2
-Special purpose machinery	33 013 046	2 989 799	2 984 682	-0,2	3 178 916	3 011 721	-5,3
-Household appliances	9 175 689	771 108	797 899	3,5	846 030	810 069	-4,3
Electrical machinery	41 523 810	3 523 797	3 683 873	4,5	3 686 180	3 603 266	-2,2
Radio, television and communication apparatus and professional equipment	15 336 222	1 240 520	1 395 696	12,5	1 315 247	1 368 424	4,0
-Radio, television and communication apparatus	7 676 027	554 326	713 376	28,7	674 713	736 126	9,1
-Professional equipment	7 660 195	686 194	682 320	-0,6	640 534	632 298	-1,3
Motor vehicles, parts and accessories and other transport equipment	173 977 223	15 040 606	16 137 959	7,3	14 489 039	15 685 805	8,3
-Motor vehicles	86 281 272	7 190 297	8 300 152	15,4	7 118 009	8 250 337	15,9
-Bodies for motor vehicles, trailers and semi-trailers	8 299 507	728 017	734 193	0,8	838 564	693 088	-17,3
-Parts and accessories	62 802 464	5 542 939	5 508 496	-0,6	5 158 946	5 334 518	3,4
-Other transport equipment	16 593 980	1 579 353	1 595 118	1,0	1 373 520	1 407 863	2,5
Furniture and other manufacturing division	59 138 140	4 922 951	4 873 923	-1,0	5 278 715	4 816 223	-8,8
-Furniture	11 613 033	941 899	1 031 243	9,5	1 038 688	1 041 041	0,2
-Other manufacturing groups	47 525 107	3 981 052	3 842 680	-3,5	4 240 027	3 775 182	-11,0
Total	1 386 771 724	117 502 258	125 779 707	7,0	125 736 940	123 054 215	-2,1

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 2005	Production indices (base: 2005=100)			Value of sales (R'000)		
		Apr. to Jun. 2011	Apr. to Jun. 2012	% change between Apr. to Jun. 2011 and Apr. to Jun. 2012	Apr. to Jun. 2011	Apr. to Jun. 2012	% change between Apr. to Jun. 2011 and Apr. to Jun. 2012
Food and beverages	15,4	109,7	116,7	6,4	62 724 248	69 945 309	11,5
-Meat, fish, fruit, etc.	1,8	116,6	122,3	4,9	17 618 975	19 736 036	12,0
-Dairy products	0,8	106,0	112,1	5,8	5 459 456	6 250 825	14,5
-Grain mill products	0,8	103,8	112,7	8,6	10 991 062	12 808 008	16,5
-Other food products	5,2	115,8	125,8	8,6	14 700 040	15 772 142	7,3
-Beverages	6,8	104,4	109,3	4,7	13 954 715	15 378 298	10,2
Textiles, clothing, leather and footwear	4,9	80,5	81,0	0,6	9 628 361	10 018 634	4,1
-Textiles	0,7	59,6	57,1	-4,2	1 118 788	1 069 957	-4,4
-Other textile products	0,9	69,4	69,3	-0,1	2 765 275	2 884 960	4,3
-Knitted, crocheted articles	0,2	104,7	81,3	-22,3	476 740	408 580	-14,3
-Wearing apparel	2,1	82,0	83,0	1,2	3 317 399	3 518 265	6,1
-Leather and leather products	0,6	94,3	102,5	8,7	1 059 673	1 177 429	11,1
-Footwear	0,4	100,3	102,2	1,9	890 486	959 443	7,7
Wood and wood products, paper, publishing and printing	10,2	91,6	92,2	0,7	26 142 436	27 617 012	5,6
-Sawmilling and planing of wood	0,7	83,5	88,2	5,6	1 943 192	2 179 398	12,2
-Products of wood	1,3	86,3	84,6	-2,0	3 780 261	3 914 380	3,5
-Paper and paper products	3,8	105,2	109,1	3,7	11 577 422	12 500 146	8,0
-Publishing	1,9	80,7	77,7	-3,7	3 956 230	3 987 504	0,8
-Printing, recorded media	2,5	83,8	82,0	-2,1	4 885 331	5 035 584	3,1
Petroleum, chemical products, rubber and plastic products	22,1	112,7	116,6	3,5	82 203 699	92 829 892	12,9
-Coke, petroleum products and nuclear fuel	8,5	97,2	96,7	-0,5	34 846 440	39 763 891	14,1
-Basic chemicals	4,5	127,3	128,3	0,8	16 343 993	17 947 030	9,8
-Other chemical products	5,3	115,3	123,7	7,3	17 154 134	19 270 109	12,3
-Rubber products	1,0	90,3	98,1	8,6	3 270 242	3 806 549	16,4
-Plastic products	2,7	139,9	152,5	9,0	10 588 890	12 042 313	13,7
Glass and non-metallic mineral products	4,8	92,9	96,6	4,0	10 040 978	11 125 046	10,8
-Glass and glass products	1,0	105,7	107,3	1,5	1 522 754	1 749 695	14,9
-Non-metallic mineral products	3,8	89,7	93,9	4,7	8 518 224	9 375 351	10,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	93,7	88,3	-5,8	75 556 588	79 231 898	4,9
-Basic iron and steel products	7,7	88,9	71,6	-19,5	25 539 698	24 933 417	-2,4
-Non-ferrous metal products	3,4	109,9	85,2	-22,5	15 061 947	14 650 896	-2,7
-Structural metal products	2,0	88,4	91,0	2,9	6 476 658	7 621 806	17,7
-Other fabricated metal products	3,8	111,4	119,5	7,3	11 419 422	13 203 237	15,6
-General purpose machinery	2,4	70,7	75,3	6,5	7 167 383	7 830 889	9,3
-Special purpose machinery	3,1	86,8	99,5	14,6	7 689 028	8 593 116	11,8
-Household appliances	0,6	96,4	109,6	13,7	2 202 452	2 398 537	8,9
Electrical machinery	2,5	125,8	128,6	2,2	9 961 422	10 595 324	6,4
Radio, television and communication apparatus and professional equipment	1,1	101,3	105,8	4,4	3 486 695	3 793 075	8,8
-Radio, television and communication apparatus	0,4	88,9	103,0	15,9	1 555 459	1 842 796	18,5
-Professional equipment	0,7	109,1	107,5	-1,5	1 931 236	1 950 279	1,0
Motor vehicles, parts and accessories and other transport equipment	10,9	98,7	107,3	8,7	40 734 139	43 802 732	7,5
-Motor vehicles	4,9	89,8	107,0	19,2	19 318 446	21 584 346	11,7
-Bodies for motor vehicles, trailers and semi-trailers	0,5	128,9	137,8	6,9	1 975 717	2 259 110	14,3
-Parts and accessories	4,7	101,6	103,0	1,4	15 344 325	15 744 266	2,6
-Other transport equipment	0,9	116,3	114,7	-1,4	4 095 651	4 215 010	2,9
Furniture and other manufacturing division	5,2	91,5	91,8	0,3	14 322 334	14 874 229	3,9
-Furniture	1,3	89,1	94,9	6,5	2 726 110	3 007 907	10,3
-Other manufacturing groups	3,9	92,3	90,8	-1,6	11 596 224	11 866 322	2,3
Total	100,0	100,8	102,8	2,0	334 800 900	363 833 151	8,7

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 2005	Indices (base: 2005=100)				Value of sales (R million)			
		Jan. to Jun. 2011	Jan. to Jun. 2012	Annual % change between 2011 and 2012	Contribution (% points)	Jan. to Jun. 2011	Jan. to Jun. 2012	Annual % change between 2011 and 2012	Difference in sales between 2011 and 2012
Food and beverages	15,4	108,7	114,0	4,9	0,8	123 027	137 793	12,0	14 766
-Meat, fish, fruit, etc.	1,8	114,3	118,4	3,6	0,1	34 330	37 813	10,1	3 483
-Dairy products	0,8	109,4	116,2	6,2	0,1	11 054	12 613	14,1	1 559
-Grain mill products	0,8	104,0	109,9	5,7	0,0	21 346	25 038	17,3	3 692
-Other food products	5,2	104,5	108,9	4,2	0,2	27 318	30 302	10,9	2 984
-Beverages	6,8	110,9	116,9	5,4	0,4	28 978	32 027	10,5	3 049
Textiles, clothing, leather and footwear	4,9	78,3	78,8	0,6	0,0	18 458	19 264	4,4	806
-Textiles	0,7	61,1	58,6	-4,1	0,0	2 224	2 206	-0,8	-18
-Other textile products	0,9	69,4	69,8	0,6	0,0	5 338	5 600	4,9	262
-Knitted, crocheted articles	0,2	102,0	82,7	-18,9	0,0	908	832	-8,4	-76
-Wearing apparel	2,1	77,6	78,1	0,6	0,0	6 238	6 498	4,2	260
-Leather and leather products	0,6	94,4	101,1	7,1	0,0	2 115	2 326	10,0	211
-Footwear	0,4	95,2	99,6	4,6	0,0	1 635	1 802	10,2	167
Wood and wood products, paper, publishing and printing	10,2	93,1	94,1	1,1	0,1	52 204	55 706	6,7	3 502
-Sawmilling and planing of wood	0,7	83,9	88,4	5,4	0,0	3 904	4 339	11,1	435
-Products of wood	1,3	85,0	83,6	-1,6	0,0	7 426	7 687	3,5	261
-Paper and paper products	3,8	106,3	108,5	2,1	0,1	22 832	24 610	7,8	1 778
-Publishing	1,9	81,2	82,5	1,6	0,0	7 908	8 409	6,3	501
-Printing, recorded media	2,5	88,1	87,7	-0,5	0,0	10 133	10 660	5,2	527
Petroleum, chemical products, rubber and plastic products	22,1	111,3	113,4	1,9	0,5	155 017	181 394	17,0	26 377
-Coke, petroleum products and nuclear fuel	8,5	94,8	92,1	-2,8	-0,2	61 416	78 974	28,6	17 558
-Basic chemicals	4,5	125,2	128,1	2,3	0,1	31 914	34 529	8,2	2 615
-Other chemical products	5,3	115,5	120,2	4,1	0,2	34 281	37 013	8,0	2 732
-Rubber products	1,0	94,0	100,2	6,6	0,1	6 700	7 758	15,8	1 058
-Plastic products	2,7	137,7	147,6	7,2	0,3	20 706	23 120	11,7	2 414
Glass and non-metallic mineral products	4,8	89,5	93,3	4,2	0,2	19 554	21 404	9,5	1 850
-Glass and glass products	1,0	107,6	108,1	0,5	0,0	3 095	3 413	10,3	318
-Non-metallic mineral products	3,8	85,0	89,6	5,4	0,2	16 460	17 991	9,3	1 531
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,7	90,4	-1,4	-0,3	149 684	157 764	5,4	8 080
-Basic iron and steel products	7,7	84,9	75,7	-10,8	-0,7	50 769	50 394	-0,7	-375
-Non-ferrous metal products	3,4	107,4	93,4	-13,0	-0,5	29 995	29 306	-2,3	-689
-Structural metal products	2,0	88,3	92,5	4,8	0,1	13 024	15 211	16,8	2 187
-Other fabricated metal products	3,8	109,1	117,2	7,4	0,3	22 289	25 679	15,2	3 390
-General purpose machinery	2,4	68,3	72,9	6,7	0,1	13 751	15 077	9,6	1 326
-Special purpose machinery	3,1	88,8	99,3	11,8	0,3	15 488	17 294	11,7	1 806
-Household appliances	0,6	96,4	109,1	13,2	0,1	4 369	4 803	9,9	434
-Electrical machinery	2,5	126,8	126,1	-0,6	0,0	19 947	20 897	4,8	950
Radio, television and communication apparatus and professional equipment	1,1	97,3	104,0	6,9	0,1	6 844	7 509	9,7	665
-Radio, television and communication apparatus	0,4	90,4	105,6	16,8	0,1	3 203	3 732	16,5	529
-Professional equipment	0,7	101,8	103,0	1,2	0,0	3 642	3 777	3,7	135
Motor vehicles, parts and accessories and other transport equipment	10,9	101,9	104,1	2,2	0,2	82 578	85 509	3,5	2 931
-Motor vehicles	4,9	95,1	102,9	8,2	0,4	39 549	41 700	5,4	2 151
-Bodies for motor vehicles, trailers and semi-trailers	0,5	121,5	131,1	7,9	0,0	3 838	4 218	9,9	380
-Parts and accessories	4,7	103,9	101,8	-2,0	-0,1	30 989	31 588	1,9	599
-Other transport equipment	0,9	117,8	109,1	-7,4	-0,1	8 202	8 002	-2,4	-200
Furniture and other manufacturing division	5,2	92,2	90,0	-2,4	-0,1	28 617	29 270	2,3	653
-Furniture	1,3	85,8	89,9	4,8	0,1	5 204	5 639	8,4	435
-Other manufacturing groups	3,9	94,3	89,9	-4,7	-0,2	23 413	23 631	0,9	218
Total	100,0	100,1	101,6	1,5	1,5	655 931	716 511	9,2	60 580

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 June 2012 was 89,9%. Improved collection rate for May 2012 was 92,6%.
- 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 -
- *Bulletin of Statistics* issued quarterly.
 - *SA Statistics* issued annually.
- Rounding-off of figures** 23 Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.
- Pre-release policy** 24 Stats SA's pre-release policy may be inspected at its website, www.statssa.gov.za
- Symbols and abbreviations** 25
- | | |
|----------|---|
| 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 |
- Changes in the next publication** 26 The results published in the next publication (July 2012) will be based on a new sample drawn in April 2012. The periodic introduction of a new sample is part of Stats SA's strategic approach in improving the basis from which surveys are conducted.

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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