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Manufacturing: Production and sales (Preliminary)

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Key figures for May 2011

Table A – Manufacturing production and sales

Estimates	May 2011	% change between May 2010 and May 2011	% change between March to May 2010 and March to May 2011	% change between January to May 2010 and January to May 2011
Physical volume of manufacturing production index (base: 2005=100)	102,3	0,6	2,0	2,7
Total estimated sales of manufactured products (R million)	111 936	7,9	8,0	8,0

Seasonally adjusted estimates	May 2011	% change between April and May 2011	% change between December 2010 to February 2011 and March to May 2011
Physical volume of manufacturing production index (base: 2005=100)	102,6	0,4	0,5
Total value of sales of manufactured products (R million)	112 574	1,2	2,9

Manufacturing production for May 2011 increased by 0,6% compared with May 2010.

Manufacturing production increased by 0,6% year-on-year in May 2011, slightly higher than the revised 0,2% increase in April 2011 compared with April 2010. The 0,6% increase was driven by higher production in the basic iron and steel, non-ferrous metal products, metal products and machinery division (5,9% and contributing 1,2 percentage points) and the petroleum, chemical products, rubber and plastic products division (3,1% and contributing 0,7 of a percentage point).

However, these increases were partially counteracted by noteworthy decreases reported in the food and beverages division (-4,2% and contributing -0,7 of a percentage point), the textiles, clothing, leather and footwear division (-8,5% and contributing -0,4 of a percentage point) and the motor vehicles, parts and accessories and other transport equipment division (-3,4% and contributing -0,4 of a percentage point) (see Table 4b).

Seasonally adjusted manufacturing production for the three months ended May 2011 increased by 0,5% compared with the previous three months ended February 2011. Five of the ten manufacturing divisions reported positive growth rates over this period.

The increase was mainly due to higher production in the basic iron and steel, non-ferrous metal products, metal products and machinery division (6,5% and contributing 1,3 percentage points), the petroleum, chemical products, rubber and plastic products division (2,8% and contributing 0,7 of a percentage point) and the furniture and other manufacturing division (8,9% and contributing 0,4 of a percentage point) (see Table B).

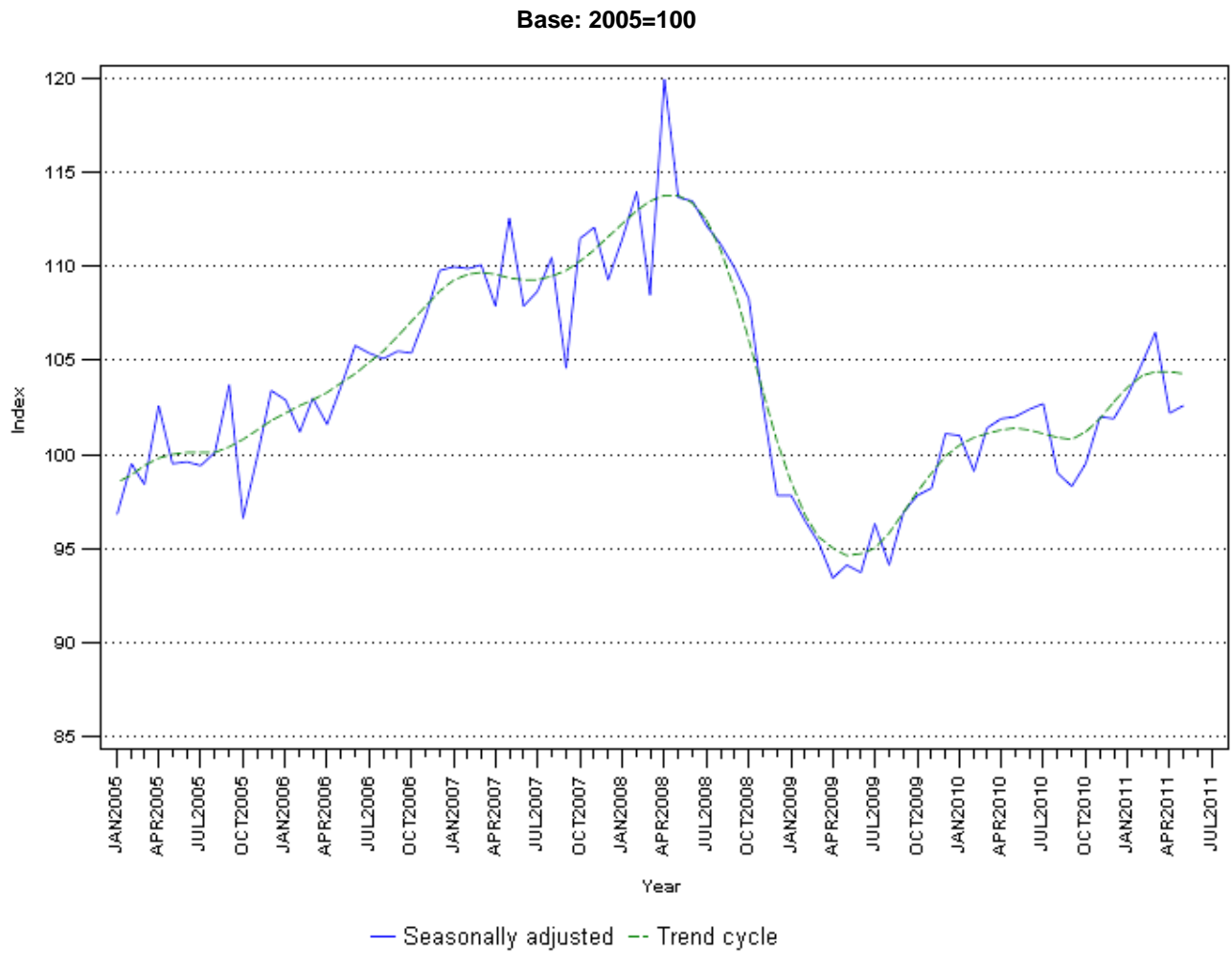
Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production

Base: 2005=100

Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2005	Average seasonally adjusted production index for December 2010 to February 2011	Average seasonally adjusted production index for March to May 2011	Quarterly percentage change of March to May 2011 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
Food and beverages	15,4	118,8	115,2	-3,0	-0,5
-Meat, fish, fruit, etc.	1,8	116,6	115,4	-1,0	0,0
-Dairy products	0,8	114,7	118,3	3,1	0,0
-Grain mill products	0,8	105,8	107,0	1,1	0,0
-Other food products	5,2	119,6	112,5	-5,9	-0,4
-Beverages	6,8	120,9	117,7	-2,6	-0,2
Textiles, clothing, leather and footwear	4,9	81,1	80,5	-0,7	0,0
-Textiles	1,6	68,1	65,4	-4,0	0,0
-Wearing apparel	2,3	81,5	82,8	1,6	0,0
-Leather and leather products	0,6	95,1	94,7	-0,4	0,0
-Footwear	0,4	106,5	103,3	-3,0	0,0
Wood and wood products, paper, publishing and printing	10,2	99,8	96,3	-3,5	-0,3
-Wood and products of wood	2,0	90,2	86,7	-3,9	-0,1
-Paper and paper products	3,8	113,3	109,5	-3,4	-0,1
-Publishing and printing	4,3	92,1	88,9	-3,5	-0,1
Petroleum, chemical products, rubber and plastic products	22,1	112,7	115,9	2,8	0,7
-Coke, petroleum products and nuclear fuel	8,5	90,1	98,3	9,1	0,7
-Basic chemicals	4,5	133,4	133,0	-0,3	0,0
-Other chemical products	5,3	119,2	119,9	0,6	0,0
-Rubber products	1,0	92,1	92,3	0,2	0,0
-Plastic products	2,7	143,7	143,1	-0,4	0,0
Glass and non-metallic mineral products	4,8	92,9	93,9	1,1	0,0
-Glass and glass products	1,0	120,1	115,1	-4,2	0,0
-Non-metallic mineral products	3,8	86,1	88,6	2,9	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,7	95,5	6,5	1,3
-Basic iron and steel products	7,7	79,9	92,9	16,3	1,0
-Basic precious, non-ferrous metal products	3,4	106,4	110,1	3,5	0,1
-Fabricated metal products	5,7	105,4	103,6	-1,7	-0,1
-Machinery and equipment	6,1	77,6	82,8	6,7	0,3
Electrical machinery	2,5	132,1	129,7	-1,8	-0,1
Radio, television and communication apparatus and professional equipment	1,1	98,7	100,3	1,6	0,0
-Radio, television and communication apparatus	0,4	100,0	91,1	-8,9	0,0
-Professional equipment	0,7	97,8	106,2	8,6	0,1
Motor vehicles, parts and accessories and other transport equipment	10,9	108,4	98,8	-8,9	-1,0
-Motor vehicles	4,9	100,5	90,3	-10,1	-0,5
-Bodies for motor vehicles, trailers and semi-trailers	0,5	132,1	131,6	-0,4	0,0
-Parts and accessories	4,7	113,3	100,5	-11,3	-0,6
-Other transport equipment	0,9	114,2	118,0	3,3	0,0
Furniture and other manufacturing division	5,2	91,8	100,0	8,9	0,4
-Furniture	1,3	97,5	94,4	-3,2	0,0
-Other manufacturing groups	3,9	90,0	101,9	13,2	0,4
Total	100,0	103,3	103,8	0,5	0,5

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: 2005 – 2011



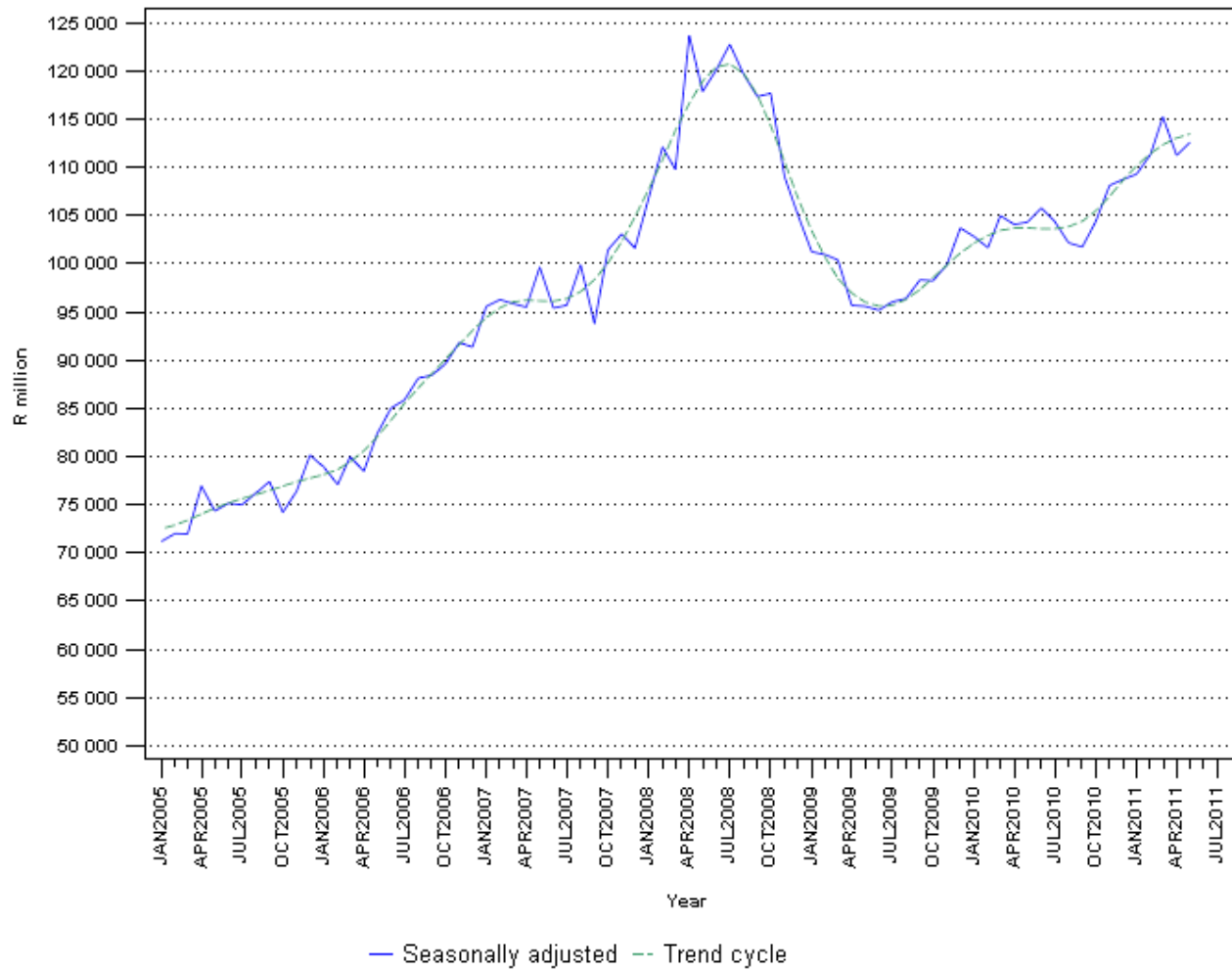
Seasonally adjusted sales of manufactured products at current prices increased by 2,9% (R9 703 million) in the three months ended May 2011 compared with the previous three months ended February 2011. Six of the ten manufacturing divisions reported positive growth over this period (see Table C).

The large increase reported by the petroleum, chemical products, rubber and plastic products division (14,0% or R10 457 million) was mainly responsible for the increase in total manufacturing sales (see Table C).

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

Manufacturing divisions and major groups	Seasonally adjusted sales December 2010 to February 2011	Seasonally adjusted sales March to May 2011	Percentage change between December 2010 to February 2011 and March to May 2011	Difference in seasonally adjusted sales of manufacturing divisions between December 2010 to February 2011 and March to May 2011
	R'000	R'000	%	R'000
Food and beverages	63 749 135	65 337 498	2,5	1 588 363
-Food and food products	47 971 336	49 466 095	3,1	1 494 759
-Beverages	15 777 800	15 871 406	0,6	93 606
Textiles, clothing, leather and footwear	9 106 544	9 163 735	0,6	57 191
-Textiles	3 685 601	3 641 846	-1,2	-43 755
-Wearing apparel	3 446 796	3 484 520	1,1	37 724
-Leather and leather products	1 069 428	1 082 424	1,2	12 996
-Footwear	904 720	954 944	5,6	50 224
Wood and wood products, paper, publishing and printing	28 102 816	27 761 889	-1,2	-340 927
-Wood and products of wood	6 024 038	5 905 321	-2,0	-118 717
-Paper and paper products	12 787 022	12 861 639	0,6	74 617
-Publishing and printing	9 291 756	8 994 929	-3,2	-296 827
Petroleum, chemical products, rubber and plastic products	74 648 133	85 105 141	14,0	10 457 008
-Coke, petroleum products and nuclear fuel	25 633 937	35 943 748	40,2	10 309 811
-Basic chemicals	17 029 150	16 783 098	-1,4	-246 052
-Other chemical products	17 963 096	18 107 320	0,8	144 224
-Rubber products	3 371 573	3 302 852	-2,0	-68 721
-Plastic products	10 650 376	10 968 122	3,0	317 746
Glass and non-metallic mineral products	10 470 374	10 484 491	0,1	14 117
-Glass and glass products	1 874 493	1 746 510	-6,8	-127 983
-Non-metallic mineral products	8 595 882	8 737 982	1,7	142 100
Basic iron and steel, non-ferrous metal products, metal products and machinery	71 681 110	71 901 167	0,3	220 057
-Basic iron and steel products	25 596 829	25 306 948	-1,1	-289 881
-Basic precious, non-ferrous metal products	14 606 878	14 659 244	0,4	52 366
-Fabricated metal products	16 182 065	15 830 176	-2,2	-351 889
-Machinery and equipment	15 295 341	16 104 801	5,3	809 460
Electrical machinery	9 866 435	9 739 998	-1,3	-126 437
Radio, television and communication apparatus and professional equipment	3 540 648	3 310 897	-6,5	-229 751
-Radio, television and communication apparatus	1 625 793	1 289 324	-20,7	-336 469
-Professional equipment	1 914 855	2 021 572	5,6	106 717
Motor vehicles, parts and accessories and other transport equipment	42 763 458	40 821 978	-4,5	-1 941 480
-Motor vehicles, trailers, parts and accessories	38 736 114	36 554 150	-5,6	-2 181 964
-Other transport equipment	4 027 343	4 267 828	6,0	240 485
Furniture and other manufacturing division	15 377 877	15 382 997	0,0	5 120
-Furniture	3 378 250	3 244 982	-3,9	-133 268
-Other manufacturing groups	11 999 626	12 138 014	1,2	138 388
Total	329 306 527	339 009 790	2,9	9 703 263

Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2005 – 2011



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Detailed results

Table 1 – Total index of the physical volume of manufacturing production: 2005 – 2011

Base: 2005=100

Month	2005	2006	2007	2008	2009	2010	2011
Jan	85,2	89,8	95,3	96,0	83,6	86,3	87,8
Feb	95,5	96,8	104,9	108,5	91,7	94,1	99,6
Mar	101,7	106,3	113,5	111,9	98,5	105,1	1/ 110,3
Apr	96,2	95,4	100,8	111,7	87,0	94,6	1/ 94,8
May	100,3	104,3	113,2	114,1	94,0	101,7	1/ 102,3
Jun	100,1	106,6	109,0	114,9	94,9	103,7	
Jul	100,9	107,4	111,1	115,1	98,9	105,9	
Aug	103,3	108,8	114,3	114,8	96,7	101,7	
Sep	107,5	109,7	108,8	114,2	100,8	102,1	
Oct	106,9	117,0	124,1	121,1	109,2	111,7	
Nov	110,7	119,0	124,2	114,3	108,5	113,5	
Dec	91,4	96,9	96,5	87,9	90,5	90,8	
Year	100,0	104,8	109,6	110,4	96,2	100,9	

1/ Preliminary.

Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2005 – 2011 2/

Month	2005	2006	2007	2008	2009	2010	2011
Jan	3,1	5,4	6,1	0,7	-12,9	3,2	1,7
Feb	4,4	1,4	8,4	3,4	-15,5	2,6	5,8
Mar	0,9	4,5	6,8	-1,4	-12,0	6,7	4,9
Apr	8,2	-0,8	5,7	10,8	-22,1	8,7	0,2
May	1,6	4,0	8,5	0,8	-17,6	8,2	0,6
Jun	2,6	6,5	2,3	5,4	-17,4	9,3	
Jul	0,9	6,4	3,4	3,6	-14,1	7,1	
Aug	3,0	5,3	5,1	0,4	-15,8	5,2	
Sep	5,1	2,0	-0,8	5,0	-11,7	1,3	
Oct	-1,2	9,4	6,1	-2,4	-9,8	2,3	
Nov	3,0	7,5	4,4	-8,0	-5,1	4,6	
Dec	5,1	6,0	-0,4	-8,9	3,0	0,3	
Year	3,0	4,8	4,6	0,7	-12,9	4,9	

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: 2005 – 2011

Base: 2005=100

Month	2005	2006	2007	2008	2009	2010	2011
Jan	96,8	102,9	110,0	111,5	97,8	101,0	103,2
Feb	99,5	101,2	109,9	114,0	96,4	99,1	104,9
Mar	98,4	103,0	110,1	108,5	95,3	101,4	106,5
Apr	102,6	101,6	107,9	120,0	93,4	101,9	102,2
May	99,5	103,6	112,6	113,7	94,1	102,0	102,6
Jun	99,6	105,8	107,9	113,5	93,7	102,4	
Jul	99,4	105,4	108,7	112,2	96,3	102,7	
Aug	100,1	105,1	110,5	111,2	94,1	99,0	
Sep	103,7	105,5	104,6	109,9	96,9	98,3	
Oct	96,6	105,4	111,5	108,3	97,8	99,5	
Nov	99,9	107,4	112,1	102,6	98,2	102,0	
Dec	103,4	109,8	109,3	97,8	101,1	101,9	

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 2010	Actual indices			Seasonally adjusted indices		
			May 2010	1/ April 2011	1/ May 2011	May 2010	April 2011	May 2011
Food and beverages	15,4	116,5	114,5	103,3	109,7	118,2	114,5	113,2
-Meat, fish, fruit, etc.	1,8	115,4	113,5	111,8	116,7	111,5	115,6	115,2
-Dairy products	0,8	111,6	101,4	112,0	107,5	110,9	120,0	117,7
-Grain mill products	0,8	110,4	110,4	98,2	104,7	111,1	105,4	105,9
-Other food products	5,2	116,4	121,6	99,7	117,5	114,4	111,2	110,4
-Beverages	6,8	118,2	111,4	103,5	102,8	124,5	117,2	115,2
Textiles, clothing, leather and footwear	4,9	84,1	86,9	78,5	79,5	85,7	79,7	78,6
-Textiles	0,7	66,5	73,3	55,8	61,6	66,7	58,6	56,2
-Other textile products	0,9	73,1	75,3	63,8	69,4	75,2	66,6	69,4
-Knitted, crocheted articles	0,2	103,6	127,6	116,0	114,5	108,7	103,5	97,5
-Wearing apparel	2,1	86,5	85,7	81,8	78,1	87,0	81,9	79,4
-Leather and leather products	0,6	90,4	98,6	93,4	93,8	96,7	94,0	92,0
-Footwear	0,4	107,3	107,1	93,6	103,2	106,6	100,6	102,4
Wood and wood products, paper, publishing and printing	10,2	96,6	96,0	85,8	95,5	96,1	94,7	95,7
-Sawmilling and planing of wood	0,7	84,0	85,2	73,6	87,6	84,2	79,6	86,7
-Products of wood	1,3	87,7	85,7	78,6	91,4	84,7	85,9	90,2
-Paper and paper products	3,8	113,3	112,7	99,8	104,1	112,6	109,0	104,4
-Publishing	1,9	81,1	84,4	78,0	84,2	85,2	85,6	84,8
-Printing, recorded media	2,5	90,6	87,4	77,1	95,1	88,1	88,3	95,8
Petroleum, chemical products, rubber and plastic products	22,1	111,3	110,8	109,9	114,2	111,3	114,4	114,9
-Coke, petroleum products and nuclear fuel	8,5	92,8	96,1	97,0	98,2	93,8	97,4	95,7
-Basic chemicals	4,5	126,2	123,2	123,2	129,2	126,5	131,5	133,3
-Other chemical products	5,3	117,2	113,2	111,9	116,8	115,6	118,0	119,9
-Rubber products	1,0	82,5	83,8	82,8	91,8	80,7	89,0	89,0
-Plastic products	2,7	143,4	141,1	133,9	142,0	142,8	141,3	144,1
Glass and non-metallic mineral products	4,8	93,9	94,2	85,2	93,8	94,2	90,6	94,0
-Glass and glass products	1,0	120,7	111,2	105,7	104,6	120,7	115,1	114,3
-Non-metallic mineral products	3,8	87,2	89,9	80,1	91,1	87,5	84,5	88,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,3	91,5	89,7	96,9	90,8	94,4	96,2
-Basic iron and steel products	7,7	80,1	88,6	94,1	95,2	84,5	95,7	91,0
-Non-ferrous metal products	3,4	100,3	98,8	107,7	115,0	96,3	110,7	112,2
-Structural metal products	2,0	92,9	97,0	81,6	87,3	90,8	86,7	81,9
-Other fabricated metal products	3,8	106,1	107,5	101,7	115,2	106,3	106,5	114,0
-General purpose machinery	2,4	70,1	67,9	62,5	71,5	69,5	68,0	73,4
-Special purpose machinery	3,1	89,9	84,7	70,2	83,7	96,4	83,4	95,7
-Household appliances	0,6	98,4	98,6	88,6	100,8	97,1	96,2	99,3
Electrical machinery	2,5	127,6	121,3	119,6	124,1	126,9	126,1	130,2
Radio, television and communication apparatus and professional equipment	1,1	94,2	93,5	93,0	101,1	91,1	102,8	98,4
-Radio, television and communication apparatus	0,4	92,0	85,9	73,7	98,3	85,8	81,9	98,0
-Professional equipment	0,7	95,7	98,3	105,2	102,9	94,4	116,1	98,6
Motor vehicles, parts and accessories and other transport equipment	10,9	96,0	101,8	82,8	98,3	98,1	92,9	94,9
-Motor vehicles	4,9	85,5	90,0	72,2	82,5	86,3	86,7	79,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,9	123,5	124,7	133,3	120,4	128,7	130,5
-Parts and accessories	4,7	100,2	108,4	86,5	107,9	103,8	91,0	103,6
-Other transport equipment	0,9	117,8	119,7	98,4	115,0	120,0	117,0	115,2
Furniture and other manufacturing division	5,2	91,8	94,7	83,6	94,0	96,8	103,3	95,7
-Furniture	1,3	92,1	92,8	83,7	93,3	93,2	92,4	93,7
-Other manufacturing groups	3,9	91,7	95,4	83,6	94,2	97,9	107,0	96,3
Total	100,0	100,9	101,7	94,8	102,3	102,0	102,2	102,6

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 2010	Actual indices			Seasonally adjusted indices		
			May 2010	1/ May 2011	Percentage change between May 2010 and May 2011	April 2011	May 2011	Percentage change between April and May 2011
Food and beverages	15,4	116,5	114,5	109,7	-4,2	114,5	113,2	-1,1
-Meat, fish, fruit, etc.	1,8	115,4	113,5	116,7	2,8	115,6	115,2	-0,3
-Dairy products	0,8	111,6	101,4	107,5	6,0	120,0	117,7	-1,9
-Grain mill products	0,8	110,4	110,4	104,7	-5,2	105,4	105,9	0,5
-Other food products	5,2	116,4	121,6	117,5	-3,4	111,2	110,4	-0,7
-Beverages	6,8	118,2	111,4	102,8	-7,7	117,2	115,2	-1,7
Textiles, clothing, leather and footwear	4,9	84,1	86,9	79,5	-8,5	79,7	78,6	-1,4
-Textiles	0,7	66,5	73,3	61,6	-16,0	58,6	56,2	-4,1
-Other textile products	0,9	73,1	75,3	69,4	-7,8	66,6	69,4	4,2
-Knitted, crocheted articles	0,2	103,6	127,6	114,5	-10,3	103,5	97,5	-5,8
-Wearing apparel	2,1	86,5	85,7	78,1	-8,9	81,9	79,4	-3,1
-Leather and leather products	0,6	90,4	98,6	93,8	-4,9	94,0	92,0	-2,1
-Footwear	0,4	107,3	107,1	103,2	-3,6	100,6	102,4	1,8
Wood and wood products, paper, publishing and printing	10,2	96,6	96,0	95,5	-0,5	94,7	95,7	1,1
-Sawmilling and planing of wood	0,7	84,0	85,2	87,6	2,8	79,6	86,7	8,9
-Products of wood	1,3	87,7	85,7	91,4	6,7	85,9	90,2	5,0
-Paper and paper products	3,8	113,3	112,7	104,1	-7,6	109,0	104,4	-4,2
-Publishing	1,9	81,1	84,4	84,2	-0,2	85,6	84,8	-0,9
-Printing, recorded media	2,5	90,6	87,4	95,1	8,8	88,3	95,8	8,5
Petroleum, chemical products, rubber and plastic products	22,1	111,3	110,8	114,2	3,1	114,4	114,9	0,4
-Coke, petroleum products and nuclear fuel	8,5	92,8	96,1	98,2	2,2	97,4	95,7	-1,7
-Basic chemicals	4,5	126,2	123,2	129,2	4,9	131,5	133,3	1,4
-Other chemical products	5,3	117,2	113,2	116,8	3,2	118,0	119,9	1,6
-Rubber products	1,0	82,5	83,8	91,8	9,5	89,0	89,0	0,0
-Plastic products	2,7	143,4	141,1	142,0	0,6	141,3	144,1	2,0
Glass and non-metallic mineral products	4,8	93,9	94,2	93,8	-0,4	90,6	94,0	3,8
-Glass and glass products	1,0	120,7	111,2	104,6	-5,9	115,1	114,3	-0,7
-Non-metallic mineral products	3,8	87,2	89,9	91,1	1,3	84,5	88,9	5,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,3	91,5	96,9	5,9	94,4	96,2	1,9
-Basic iron and steel products	7,7	80,1	88,6	95,2	7,4	95,7	91,0	-4,9
-Non-ferrous metal products	3,4	100,3	98,8	115,0	16,4	110,7	112,2	1,4
-Structural metal products	2,0	92,9	97,0	87,3	-10,0	86,7	81,9	-5,5
-Other fabricated metal products	3,8	106,1	107,5	115,2	7,2	106,5	114,0	7,0
-General purpose machinery	2,4	70,1	67,9	71,5	5,3	68,0	73,4	7,9
-Special purpose machinery	3,1	89,9	84,7	83,7	-1,2	83,4	95,7	14,7
-Household appliances	0,6	98,4	98,6	100,8	2,2	96,2	99,3	3,2
Electrical machinery	2,5	127,6	121,3	124,1	2,3	126,1	130,2	3,3
Radio, television and communication apparatus and professional equipment	1,1	94,2	93,5	101,1	8,1	102,8	98,4	-4,3
-Radio, television and communication apparatus	0,4	92,0	85,9	98,3	14,4	81,9	98,0	19,7
-Professional equipment	0,7	95,7	98,3	102,9	4,7	116,1	98,6	-15,1
Motor vehicles, parts and accessories and other transport equipment	10,9	96,0	101,8	98,3	-3,4	92,9	94,9	2,2
-Motor vehicles	4,9	85,5	90,0	82,5	-8,3	86,7	79,2	-8,7
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,9	123,5	133,3	7,9	128,7	130,5	1,4
-Parts and accessories	4,7	100,2	108,4	107,9	-0,5	91,0	103,6	13,8
-Other transport equipment	0,9	117,8	119,7	115,0	-3,9	117,0	115,2	-1,5
Furniture and other manufacturing division	5,2	91,8	94,7	94,0	-0,7	103,3	95,7	-7,4
-Furniture	1,3	92,1	92,8	93,3	0,5	92,4	93,7	1,4
-Other manufacturing groups	3,9	91,7	95,4	94,2	-1,3	107,0	96,3	-10,0
Total	100,0	100,9	101,7	102,3	0,6	102,2	102,6	0,4

1/ Preliminary.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2005 – 2011

Month	2005	2006	2007	2008	2009	2010	2011
Jan	60 063 082	66 484 938	80 538 318	90 120 929	84 819 210	86 164 210	91 669 648
Feb	69 193 109	73 901 384	91 988 434	106 616 455	96 192 926	96 905 945	105 667 800
Mar	73 858 342	82 047 327	98 673 703	112 950 687	103 814 911	109 176 123	1/ 119 462 859
Apr	72 381 184	73 494 509	89 107 318	115 062 249	88 797 741	96 353 590	1/ 102 795 179
May	74 601 624	82 575 109	100 003 365	118 293 383	95 133 046	103 770 879	1/ 111 936 172
Jun	76 071 471	86 293 995	97 130 007	122 894 285	96 891 148	107 804 180	
Jul	76 103 755	87 489 215	97 758 776	126 353 845	98 368 052	107 176 982	
Aug	78 533 270	91 130 164	103 286 147	124 293 826	99 412 537	104 965 646	
Sep	81 576 570	93 387 334	98 938 121	123 806 867	103 482 347	107 149 992	
Oct	81 457 255	98 505 874	111 757 950	129 941 379	108 453 282	115 388 206	
Nov	85 122 282	101 894 005	114 304 668	120 894 966	110 596 379	119 676 668	
Dec	72 412 763	81 621 089	90 693 690	94 770 345	94 154 368	98 464 430	
Year	901 374 707	1 018 824 943	1 174 180 497	1 385 999 216	1 180 115 947	1 252 996 851	

1/ Preliminary.

Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2005 – 2011 2/

Month	2005	2006	2007	2008	2009	2010	2011
Jan	5,1	10,7	21,1	11,9	-5,9	1,6	6,4
Feb	4,0	6,8	24,5	15,9	-9,8	0,7	9,0
Mar	1,4	11,1	20,3	14,5	-8,1	5,2	9,4
Apr	11,0	1,5	21,2	29,1	-22,8	8,5	6,7
May	4,7	10,7	21,1	18,3	-19,6	9,1	7,9
Jun	7,0	13,4	12,6	26,5	-21,2	11,3	
Jul	6,1	15,0	11,7	29,3	-22,1	9,0	
Aug	8,5	16,0	13,3	20,3	-20,0	5,6	
Sep	7,7	14,5	5,9	25,1	-16,4	3,5	
Oct	4,2	20,9	13,5	16,3	-16,5	6,4	
Nov	5,7	19,7	12,2	5,8	-8,5	8,2	
Dec	9,8	12,7	11,1	4,5	-0,6	4,6	
Year	6,2	13,0	15,2	18,0	-14,9	6,2	

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): 2005 – 2011

Month	2005	2006	2007	2008	2009	2010	2011
Jan	71 185 222	78 885 698	95 560 123	106 842 877	101 231 157	102 800 368	109 278 180
Feb	72 009 540	77 084 105	96 264 084	112 096 140	100 920 901	101 644 943	111 301 319
Mar	71 962 896	79 957 607	95 857 358	109 754 552	100 371 797	104 971 731	115 217 849
Apr	76 931 815	78 471 237	95 482 250	123 673 502	95 665 554	104 061 396	111 217 767
May	74 331 709	82 376 866	99 640 537	117 854 726	95 574 444	104 297 367	112 574 174
Jun	75 147 659	85 006 320	95 386 646	120 112 047	95 155 084	105 760 035	
Jul	74 974 595	85 848 757	95 684 844	122 750 194	96 042 243	104 377 404	
Aug	76 191 631	88 108 536	99 865 087	119 661 237	96 371 193	102 159 750	
Sep	77 375 096	88 433 717	93 777 994	117 327 125	98 302 945	101 727 437	
Oct	74 195 914	89 579 434	101 387 559	117 659 481	98 226 682	104 336 467	
Nov	76 412 278	91 803 958	103 078 290	109 020 770	99 912 290	108 095 494	
Dec	80 140 691	91 343 421	101 610 315	105 061 563	103 683 971	108 727 028	

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 2010	Actual values			Seasonally adjusted values		
		May 2010	1/ April 2011	1/ May 2011	May 2010	April 2011	May 2011
Food and beverages	247 861 866	19 342 757	20 351 906	20 595 234	20 303 120	21 739 816	21 629 001
-Meat, fish, fruit, etc.	68 098 286	5 496 313	5 692 936	5 961 501	5 501 713	6 032 611	5 967 662
-Dairy products	21 766 971	1 676 160	1 795 353	1 839 510	1 797 096	1 910 287	1 969 797
-Grain mill products	41 600 010	3 387 280	3 343 117	3 626 368	3 427 109	3 595 717	3 675 762
-Other food products	54 886 397	4 415 155	4 785 627	4 664 855	4 520 640	4 992 419	4 790 305
-Beverages	61 510 202	4 367 849	4 734 873	4 503 000	5 056 562	5 208 783	5 225 476
Textiles, clothing, leather and footwear	37 440 194	3 268 633	2 977 907	3 077 951	3 211 173	3 062 115	3 021 411
-Textiles	5 511 661	485 894	450 268	475 475	457 293	458 734	447 872
-Other textile products	9 422 156	845 931	730 022	772 347	818 456	761 758	745 258
-Knitted, crocheted articles	1 789 747	190 962	165 746	178 217	156 870	153 295	146 101
-Wearing apparel	12 946 861	1 070 663	1 004 792	991 378	1 087 567	1 023 874	1 005 675
-Leather and leather products	4 031 752	380 532	339 485	358 079	381 087	349 027	358 318
-Footwear	3 738 017	294 651	287 594	302 455	309 901	315 427	318 187
Wood and wood products, paper, publishing and printing	108 331 794	8 948 177	8 088 093	9 291 774	8 941 189	9 098 228	9 286 772
-Sawmilling and planing of wood	7 162 177	589 724	509 142	613 622	601 842	550 544	627 207
-Products of wood	15 674 954	1 288 988	1 213 760	1 406 756	1 261 200	1 322 558	1 374 434
-Paper and paper products	50 588 982	4 173 393	3 678 753	4 237 769	4 160 097	4 177 608	4 232 063
-Publishing	14 395 096	1 245 753	1 205 408	1 236 234	1 273 214	1 320 936	1 261 783
-Printing, recorded media	20 510 585	1 650 319	1 481 030	1 797 393	1 644 836	1 726 584	1 791 286
Petroleum, chemical products, rubber and plastic products	281 192 361	22 945 667	25 720 245	28 764 204	23 108 020	27 864 929	28 905 112
-Coke, petroleum products and nuclear fuel	96 580 234	8 432 450	10 968 860	12 826 403	8 197 380	11 833 044	12 445 336
-Basic chemicals	60 915 156	4 457 409	4 775 252	5 509 809	4 634 134	5 361 102	5 768 842
-Other chemical products	69 496 277	5 611 381	5 618 942	5 740 532	5 794 377	5 998 787	5 950 939
-Rubber products	12 022 322	1 001 021	1 010 459	1 069 530	995 436	1 085 822	1 068 709
-Plastic products	42 178 372	3 443 406	3 346 732	3 617 930	3 486 693	3 586 173	3 671 285
Glass and non-metallic mineral products	41 053 595	3 365 477	3 096 071	3 433 971	3 381 924	3 418 285	3 457 629
-Glass and glass products	7 022 938	513 687	507 198	517 662	574 755	579 681	581 329
-Non-metallic mineral products	34 030 657	2 851 790	2 588 873	2 916 309	2 807 169	2 838 605	2 876 300
Basic iron and steel, non-ferrous metal products, metal products and machinery	267 417 493	22 547 954	21 656 124	23 960 684	22 365 806	23 238 200	23 799 885
-Basic iron and steel products	91 933 429	8 268 367	7 960 053	8 257 207	7 907 751	8 401 646	7 885 499
-Non-ferrous metal products	48 179 393	3 939 866	4 272 351	5 212 298	3 886 696	4 462 939	5 160 195
-Structural metal products	21 961 423	1 889 645	1 644 714	1 798 779	1 848 510	1 728 208	1 770 703
-Other fabricated metal products	40 294 797	3 290 198	3 105 688	3 510 141	3 280 245	3 393 739	3 509 328
-General purpose machinery	27 319 528	2 196 974	2 064 519	2 266 766	2 253 864	2 234 209	2 335 544
-Special purpose machinery	28 035 881	2 146 156	1 860 752	2 088 017	2 381 779	2 214 691	2 320 114
-Household appliances	9 693 042	816 748	748 047	827 476	806 960	802 769	818 502
-Electrical machinery	37 583 772	3 262 996	2 957 890	3 198 451	3 273 732	3 069 169	3 218 891
Radio, television and communication apparatus and professional equipment	13 079 544	1 073 182	1 107 092	1 049 825	1 065 499	1 210 895	1 040 781
-Radio, television and communication apparatus	5 511 967	406 824	433 856	394 400	435 470	471 131	423 582
-Professional equipment	7 567 577	666 358	673 236	655 425	630 029	739 763	617 199
Motor vehicles, parts and accessories and other transport equipment	162 365 788	14 387 817	12 068 622	13 579 672	13 864 380	13 454 115	13 076 715
-Motor vehicles	82 269 350	7 332 517	5 797 034	6 229 873	7 150 647	6 563 841	6 084 432
-Bodies for motor vehicles, trailers and semi-trailers	7 611 222	638 714	656 589	705 064	630 768	676 321	697 991
-Parts and accessories	56 427 275	5 056 473	4 438 240	5 264 188	4 708 494	4 814 618	4 899 829
-Other transport equipment	16 057 941	1 360 113	1 176 759	1 380 547	1 374 471	1 399 335	1 394 463
Furniture and other manufacturing division	56 670 444	4 628 219	4 771 229	4 984 406	4 782 522	5 062 015	5 137 977
-Furniture	12 033 883	996 537	960 840	1 070 479	997 948	1 061 954	1 072 062
-Other manufacturing groups	44 636 561	3 631 682	3 810 389	3 913 927	3 784 574	4 000 061	4 065 914
Total	1 252 996 851	103 770 879	102 795 179	111 936 172	104 297 367	111 217 767	112 574 174

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 2010	Actual values			Seasonally adjusted values		
		May 2010	1/ May 2011	Percentage change between May 2010 and May 2011	April 2011	May 2011	Percentage change between April and May 2011
Food and beverages	247 861 866	19 342 757	20 595 234	6,5	21 739 816	21 629 001	-0,5
-Meat, fish, fruit, etc.	68 098 286	5 496 313	5 961 501	8,5	6 032 611	5 967 662	-1,1
-Dairy products	21 766 971	1 676 160	1 839 510	9,7	1 910 287	1 969 797	3,1
-Grain mill products	41 600 010	3 387 280	3 626 368	7,1	3 595 717	3 675 762	2,2
-Other food products	54 886 397	4 415 155	4 664 855	5,7	4 992 419	4 790 305	-4,0
-Beverages	61 510 202	4 367 849	4 503 000	3,1	5 208 783	5 225 476	0,3
Textiles, clothing, leather and footwear	37 440 194	3 268 633	3 077 951	-5,8	3 062 115	3 021 411	-1,3
-Textiles	5 511 661	485 894	475 475	-2,1	458 734	447 872	-2,4
-Other textile products	9 422 156	845 931	772 347	-8,7	761 758	745 258	-2,2
-Knitted, crocheted articles	1 789 747	190 962	178 217	-6,7	153 295	146 101	-4,7
-Wearing apparel	12 946 861	1 070 663	991 378	-7,4	1 023 874	1 005 675	-1,8
-Leather and leather products	4 031 752	380 532	358 079	-5,9	349 027	358 318	2,7
-Footwear	3 738 017	294 651	302 455	2,6	315 427	318 187	0,9
Wood and wood products, paper, publishing and printing	108 331 794	8 948 177	9 291 774	3,8	9 098 228	9 286 772	2,1
-Sawmilling and planing of wood	7 162 177	589 724	613 622	4,1	550 541	627 207	13,9
-Products of wood	15 674 954	1 288 988	1 406 756	9,1	1 322 558	1 374 434	3,9
-Paper and paper products	50 588 982	4 173 393	4 237 769	1,5	4 177 608	4 232 063	1,3
-Publishing	14 395 096	1 245 753	1 236 234	-0,8	1 320 936	1 261 783	-4,5
-Printing, recorded media	20 510 585	1 650 319	1 797 393	8,9	1 726 584	1 791 286	3,7
Petroleum, chemical products, rubber and plastic products	281 192 361	22 945 667	28 764 204	25,4	27 864 929	28 905 112	3,7
-Coke, petroleum products and nuclear fuel	96 580 234	8 432 450	12 826 403	52,1	11 833 044	12 445 336	5,2
-Basic chemicals	60 915 156	4 457 409	5 509 809	23,6	5 361 102	5 768 842	7,6
-Other chemical products	69 496 277	5 611 381	5 740 532	2,3	5 998 787	5 950 939	-0,8
-Rubber products	12 022 322	1 001 021	1 069 530	6,8	1 085 822	1 068 709	-1,6
-Plastic products	42 178 372	3 443 406	3 617 930	5,1	3 586 173	3 671 285	2,4
Glass and non-metallic mineral products	41 053 595	3 365 477	3 433 971	2,0	3 418 285	3 457 629	1,2
-Glass and glass products	7 022 938	513 687	517 662	0,8	579 681	581 329	0,3
-Non-metallic mineral products	34 030 657	2 851 790	2 916 309	2,3	2 838 605	2 876 300	1,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	267 417 493	22 547 954	23 960 684	6,3	23 238 200	23 799 885	2,4
-Basic iron and steel products	91 933 429	8 268 367	8 257 207	-0,1	8 401 646	7 885 499	-6,1
-Non-ferrous metal products	48 179 393	3 939 866	5 212 298	32,3	4 462 939	5 160 195	15,6
-Structural metal products	21 961 423	1 889 645	1 798 779	-4,8	1 728 208	1 770 703	2,5
-Other fabricated metal products	40 294 797	3 290 198	3 510 141	6,7	3 393 739	3 509 328	3,4
-General purpose machinery	27 319 528	2 196 974	2 266 766	3,2	2 234 209	2 335 544	4,5
-Special purpose machinery	28 035 881	2 146 156	2 088 017	-2,7	2 214 691	2 320 114	4,8
-Household appliances	9 693 042	816 748	827 476	1,3	802 769	818 502	2,0
Electrical machinery	37 583 772	3 262 996	3 198 451	-2,0	3 069 169	3 218 891	4,9
Radio, television and communication apparatus and professional equipment	13 079 544	1 073 182	1 049 825	-2,2	1 210 895	1 040 781	-14,0
-Radio, television and communication apparatus	5 511 967	406 824	394 400	-3,1	471 131	423 582	-10,1
-Professional equipment	7 567 577	666 358	655 425	-1,6	739 763	617 199	-16,6
Motor vehicles, parts and accessories and other transport equipment	162 365 788	14 387 817	13 579 672	-5,6	13 454 115	13 076 715	-2,8
-Motor vehicles	82 269 350	7 332 517	6 229 873	-15,0	6 563 841	6 084 432	-7,3
-Bodies for motor vehicles, trailers and semi-trailers	7 611 222	638 714	705 064	10,4	676 321	697 991	3,2
-Parts and accessories	56 427 275	5 056 473	5 264 188	4,1	4 814 618	4 899 829	1,8
-Other transport equipment	16 057 941	1 360 113	1 380 547	1,5	1 399 335	1 394 463	-0,3
Furniture and other manufacturing division	56 670 444	4 628 219	4 984 406	7,7	5 062 015	5 137 977	1,5
-Furniture	12 033 883	996 537	1 070 479	7,4	1 061 954	1 072 062	1,0
-Other manufacturing groups	44 636 561	3 631 682	3 913 927	7,8	4 000 061	4 065 914	1,6
Total	1 252 996 851	103 770 879	111 936 172	7,9	111 217 767	112 574 174	1,2

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 divisions and major groups	Weights 2005	Production indices (base 2005=100)			Value of sales (R'000)		
		Mar. to May 2010	Mar. To May 2011	Annual percentage change between Mar. to May 2010 and Mar. to May 2011	Mar. to May 2010	Mar. To May 2011	Annual percentage change between Mar. to May 2010 and Mar. to May 2011
Food and beverages	15,4	111,3	110,3	-0,9	59 062 165	63 009 012	6,7
-Meat, fish, fruit, etc.	1,8	115,7	118,7	2,6	16 642 078	18 079 066	8,6
-Dairy products	0,8	103,6	112,1	8,2	5 236 383	5 570 970	6,4
-Grain mill products	0,8	109,8	107,4	-2,2	10 321 047	10 973 461	6,3
-Other food products	5,2	107,5	106,7	-0,7	12 670 909	13 747 868	8,5
-Beverages	6,8	114,1	111,1	-2,6	14 191 748	14 637 647	3,1
Textiles, clothing, leather and footwear	4,9	87,3	82,1	-6,0	9 832 749	9 342 569	-5,0
-Textiles	0,7	72,6	64,4	-11,3	1 471 752	1 469 164	-0,2
-Other textile products	0,9	75,8	69,2	-8,7	2 535 756	2 297 421	-9,4
-Knitted, crocheted articles	0,2	126,1	117,7	-6,7	553 656	519 614	-6,1
-Wearing apparel	2,1	87,5	82,3	-5,9	3 311 519	3 046 988	-8,0
-Leather and leather products	0,6	95,4	96,7	1,4	1 059 399	1 103 052	4,1
-Footwear	0,4	108,7	102,4	-5,8	900 667	906 330	0,6
Wood and wood products, paper, publishing and printing	10,2	93,1	94,4	1,4	26 005 350	27 120 135	4,3
-Sawmilling and planing of wood	0,7	85,5	85,4	-0,1	1 786 301	1 788 606	0,1
-Products of wood	1,3	84,5	86,8	2,7	3 789 445	4 016 707	6,0
-Paper and paper products	3,8	109,9	108,0	-1,7	12 094 476	12 603 683	4,2
-Publishing	1,9	80,8	83,5	3,3	3 585 071	3 722 265	3,8
-Printing, recorded media	2,5	83,2	88,2	6,0	4 750 057	4 988 874	5,0
Petroleum, chemical products, rubber and plastic products	22,1	110,2	114,9	4,3	67 359 393	82 601 320	22,6
-Coke, petroleum products and nuclear fuel	8,5	91,6	99,3	8,4	22 759 693	34 468 161	51,4
-Basic chemicals	4,5	120,1	125,8	4,7	13 932 673	16 050 693	15,2
-Other chemical products	5,3	118,3	120,5	1,9	17 109 371	17 904 866	4,6
-Rubber products	1,0	87,5	95,2	8,8	3 119 880	3 423 254	9,7
-Plastic products	2,7	144,0	141,6	-1,7	10 437 776	10 754 346	3,0
Glass and non-metallic mineral products	4,8	92,0	92,7	0,8	9 902 423	10 281 240	3,8
-Glass and glass products	1,0	109,1	105,1	-3,7	1 486 211	1 549 192	4,2
-Non-metallic mineral products	3,8	87,7	89,6	2,2	8 416 212	8 732 048	3,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	92,4	95,9	3,8	68 865 489	71 925 585	4,4
-Basic iron and steel products	7,7	86,2	93,4	8,4	24 299 542	25 285 828	4,1
-Non-ferrous metal products	3,4	100,3	111,6	11,3	12 017 822	14 800 406	23,2
-Structural metal products	2,0	93,7	88,9	-5,1	5 628 738	5 554 509	-1,3
-Other fabricated metal products	3,8	106,1	113,8	7,3	10 154 410	10 346 596	1,9
-General purpose machinery	2,4	68,1	69,1	1,5	6 584 880	6 676 097	1,4
-Special purpose machinery	3,1	98,8	87,3	-11,6	7 744 863	6 806 937	-12,1
-Household appliances	0,6	98,9	99,0	0,1	2 435 234	2 455 212	0,8
Electrical machinery	2,5	129,8	129,5	-0,2	9 678 733	9 846 662	1,7
Radio, television and communication apparatus and professional equipment	1,1	92,0	97,9	6,4	3 218 957	3 264 703	1,4
-Radio, television and communication apparatus	0,4	88,2	88,6	0,5	1 346 137	1 239 216	-7,9
-Professional equipment	0,7	94,3	103,8	10,1	1 872 820	2 025 487	8,2
Motor vehicles, parts and accessories and other transport equipment	10,9	98,0	99,6	1,6	41 652 050	42 152 296	1,2
-Motor vehicles	4,9	85,3	89,7	5,2	21 562 851	20 240 154	-6,1
-Bodies for motor vehicles, trailers and semi-trailers	0,5	122,7	134,9	9,9	1 887 316	2 138 496	13,3
-Parts and accessories	4,7	106,4	102,5	-3,7	14 465 073	15 505 226	7,2
-Other transport equipment	0,9	110,3	119,2	8,1	3 736 810	4 268 420	14,2
Furniture and other manufacturing division	5,2	90,0	92,9	3,2	13 723 283	14 650 688	6,8
-Furniture	1,3	87,0	88,5	1,7	2 794 041	3 042 911	8,9
-Other manufacturing groups	3,9	91,0	94,4	3,7	10 929 242	11 607 777	6,2
Total	100,0	100,5	102,5	2,0	309 300 592	334 194 210	8,0

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

Manufacturing divisions and major groups	Weights 2005	Indices (base: 2005=100)				Value of sales (R million)			
		Jan. to May 2010	Jan. to May 2011	Annual percentage change between 2010 and 2011	Contribution (percentage points)	Jan. to May 2010	Jan. to May 2011	Annual percentage change between 2010 and 2011	Difference in sales between 2010 and 2011
Food and beverages	15,4	105,6	107,2	1,5	0,3	94 901	101 097	6,5	6 196
-Meat, fish, fruit, etc.	1,8	109,3	112,8	3,2	0,1	26 125	28 602	9,5	2 477
-Dairy products	0,8	104,0	111,5	7,2	0,1	8 473	9 073	7,1	600
-Grain mill products	0,8	105,2	103,1	-2,0	0,0	16 543	17 234	4,2	691
-Other food products	5,2	97,4	99,3	2,0	0,1	20 674	21 927	6,1	1 253
-Beverages	6,8	111,0	111,7	0,6	0,0	23 087	24 261	5,1	1 174
Textiles, clothing, leather and footwear	4,9	82,2	77,2	-6,1	-0,3	15 236	14 517	-4,7	-719
-Textiles	0,7	68,2	61,0	-10,6	-0,1	2 288	2 299	0,5	11
-Other textile products	0,9	73,2	68,3	-6,7	0,0	3 955	3 650	-7,7	-305
-Knitted, crocheted articles	0,2	114,1	105,6	-7,4	0,0	821	775	-5,6	-46
-Wearing apparel	2,1	82,9	75,9	-8,4	-0,2	5 145	4 651	-9,6	-494
-Leather and leather products	0,6	89,4	94,1	5,3	0,0	1 674	1 792	7,0	118
-Footwear	0,4	97,7	93,5	-4,3	0,0	1 353	1 350	-0,2	-3
Wood and wood products, paper, publishing and printing	10,2	89,8	92,9	3,5	0,3	41 670	43 876	5,3	2 206
-Sawmilling and planing of wood	0,7	82,0	82,8	1,0	0,0	2 873	2 921	1,7	48
-Products of wood	1,3	81,3	84,2	3,6	0,0	6 076	6 438	6,0	362
-Paper and paper products	3,8	105,8	105,3	-0,5	0,0	19 320	20 016	3,6	696
-Publishing	1,9	78,7	81,5	3,6	0,1	5 827	6 042	3,7	215
-Printing, recorded media	2,5	80,1	89,8	12,1	0,3	7 574	8 460	11,7	886
Petroleum, chemical products, rubber and plastic products	22,1	106,1	110,7	4,3	1,1	108 414	127 403	17,5	18 989
-Coke, petroleum products and nuclear fuel	8,5	88,7	94,4	6,4	0,5	37 312	50 365	35,0	13 053
-Basic chemicals	4,5	117,0	124,3	6,2	0,3	22 604	25 959	14,8	3 355
-Other chemical products	5,3	112,4	115,1	2,4	0,1	26 956	28 487	5,7	1 531
-Rubber products	1,0	83,4	93,5	12,1	0,1	4 917	5 510	12,1	593
-Plastic products	2,7	138,5	136,5	-1,4	-0,1	16 625	17 082	2,7	457
Glass and non-metallic mineral products	4,8	87,0	87,5	0,6	0,0	15 582	16 237	4,2	655
-Glass and glass products	1,0	109,8	107,8	-1,8	0,0	2 468	2 653	7,5	185
-Non-metallic mineral products	3,8	81,3	82,4	1,4	0,0	13 114	13 583	3,6	469
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,2	90,7	1,7	0,4	108 181	115 231	6,5	7 050
-Basic iron and steel products	7,7	85,7	86,4	0,8	0,1	38 084	40 805	7,1	2 721
-Non-ferrous metal products	3,4	96,8	107,5	11,1	0,4	18 565	23 844	28,4	5 279
-Structural metal products	2,0	87,3	86,7	-0,7	0,0	8 624	8 972	4,0	348
-Other fabricated metal products	3,8	100,7	107,5	6,8	0,3	16 100	16 378	1,7	278
-General purpose machinery	2,4	66,3	66,4	0,2	0,0	10 693	10 698	0,0	5
-Special purpose machinery	3,1	93,5	82,2	-12,1	-0,4	12 254	10 609	-13,4	-1 645
-Household appliances	0,6	94,6	95,7	1,2	0,0	3 861	3 925	1,7	64
Electrical machinery	2,5	122,2	125,5	2,7	0,1	14 974	15 753	5,2	779
Radio, television and communication apparatus and professional equipment	1,1	88,0	94,9	7,8	0,1	5 138	5 355	4,2	217
-Radio, television and communication apparatus	0,4	86,6	89,5	3,3	0,0	2 160	2 173	0,6	13
-Professional equipment	0,7	88,8	98,3	10,7	0,1	2 978	3 182	6,9	204
Motor vehicles, parts and accessories and other transport equipment	10,9	92,9	99,4	7,0	0,7	65 860	67 591	2,6	1 731
-Motor vehicles	4,9	80,4	91,2	13,4	0,5	33 578	32 258	-3,9	-1 320
-Bodies for motor vehicles, trailers and semi-trailers	0,5	110,7	122,6	10,7	0,1	2 848	3 224	13,2	376
-Parts and accessories	4,7	100,8	102,6	1,8	0,1	23 279	25 347	8,9	2 068
-Other transport equipment	0,9	109,5	114,3	4,4	0,0	6 156	6 762	9,8	606
Furniture and other manufacturing division	5,2	90,3	91,2	1,0	0,0	22 415	24 472	9,2	2 057
-Furniture	1,3	81,6	84,9	4,0	0,0	4 342	4 834	11,3	492
-Other manufacturing groups	3,9	93,3	93,3	0,0	0,0	18 072	19 638	8,7	1 566
Total	100,0	96,4	99,0	2,7	2,7	492 371	531 532	8,0	39 161

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 Register (BR), 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 updating 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 the 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.
- Response rate**
- 9 The preliminary response rate for the survey on manufacturing production and sales for May 2011 was 91,5%. Improved response rate for April 2011 was 93,3%.
- 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 3 027 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 3 027 enterprises, which was drawn in April 2010 from a population then of 53 562 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, which are in line with international best practice, are described in more detail on the Stats SA website at www.statssa.gov.za/publications/publicationsearch.asp.
- 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 2011, 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 2011).

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 to 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 |

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	12 500 000
Small	12 500 001	32 500 000
Medium	32 500 001	127 500 000
Large	127 500 001	

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 -

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

Weight

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

Table D – Weights according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights according to 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 - 2011
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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