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Manufacturing: Production and sales (Preliminary)

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Key figures for June 2011

Table A – Manufacturing production and sales

Estimates	June 2011	% change between June 2010 and June 2011	% change between April to June 2010 and April to June 2011	% change between January to June 2010 and January to June 2011
Physical volume of manufacturing production index (base: 2005=100)	104,6	0,9	0,7	2,5
Total estimated sales of manufactured products (R million)	115 681	7,3	7,3	7,8

Seasonally adjusted estimates	June 2011	% change between May and June 2011	% change between January to March 2011 and April to June 2011
Physical volume of manufacturing production index (base: 2005=100)	103,4	0,6	-2,0
Total value of sales of manufactured products (R million)	113 346	0,8	0,3

Manufacturing production for the second quarter of 2011 reflected an increase of 0,7% compared with the second quarter of 2010. Six of the ten manufacturing divisions reported positive growth rates over this period.

The year-on-year increase of 0,7% for the second quarter was mainly due to higher production in the basic iron and steel, non-ferrous metal products, metal products and machinery division (3,7% and contributing 0,8 of a percentage point), the motor vehicles, parts and accessories and other transport equipment division (2,3% and contributing 0,2 of a percentage point) and the petroleum, chemical products, rubber and plastic products division (0,9% and contributing 0,2 of a percentage point) (see Table 9).

Manufacturing production for June 2011 increased by 0,9% compared with June 2010.

Manufacturing production increased by 0,9% year-on-year in June 2011, which is slightly lower than the revised 1,0% increase in May 2011 compared with May 2010. The 0,9% increase was mainly driven by higher production in the motor vehicles, parts and accessories and other transport equipment division (15,8% and contributing 1,6 percentage points) and the basic iron and steel, non-ferrous metal products, metal products and machinery division (2,4% and contributing 0,5 of a percentage point).

However, these increases were partially counteracted by decreases reported in the petroleum, chemical products, rubber and plastic products division (-1,9% and contributing -0,5 of a percentage point) and the food and beverages division (-2,6% and contributing -0,5 of a percentage point) (see Table 4b).

Seasonally adjusted manufacturing production for the second quarter of 2011 decreased by 2,0% compared with the first quarter of 2011. Seven of the ten manufacturing divisions reported negative growth rates over this period.

The decrease was mainly due to lower production in the motor vehicles, parts and accessories and other transport equipment division (-7,6% and contributing -0,9 of a percentage point), the wood and wood products, paper, publishing and printing division (-5,0% and contributing -0,5 of a percentage point), the food and beverages division (-2,5% and contributing -0,4 of a percentage point) and the petroleum, chemical products, rubber and plastic products division (-1,5% and contributing -0,4 of a percentage point) (see Table B).

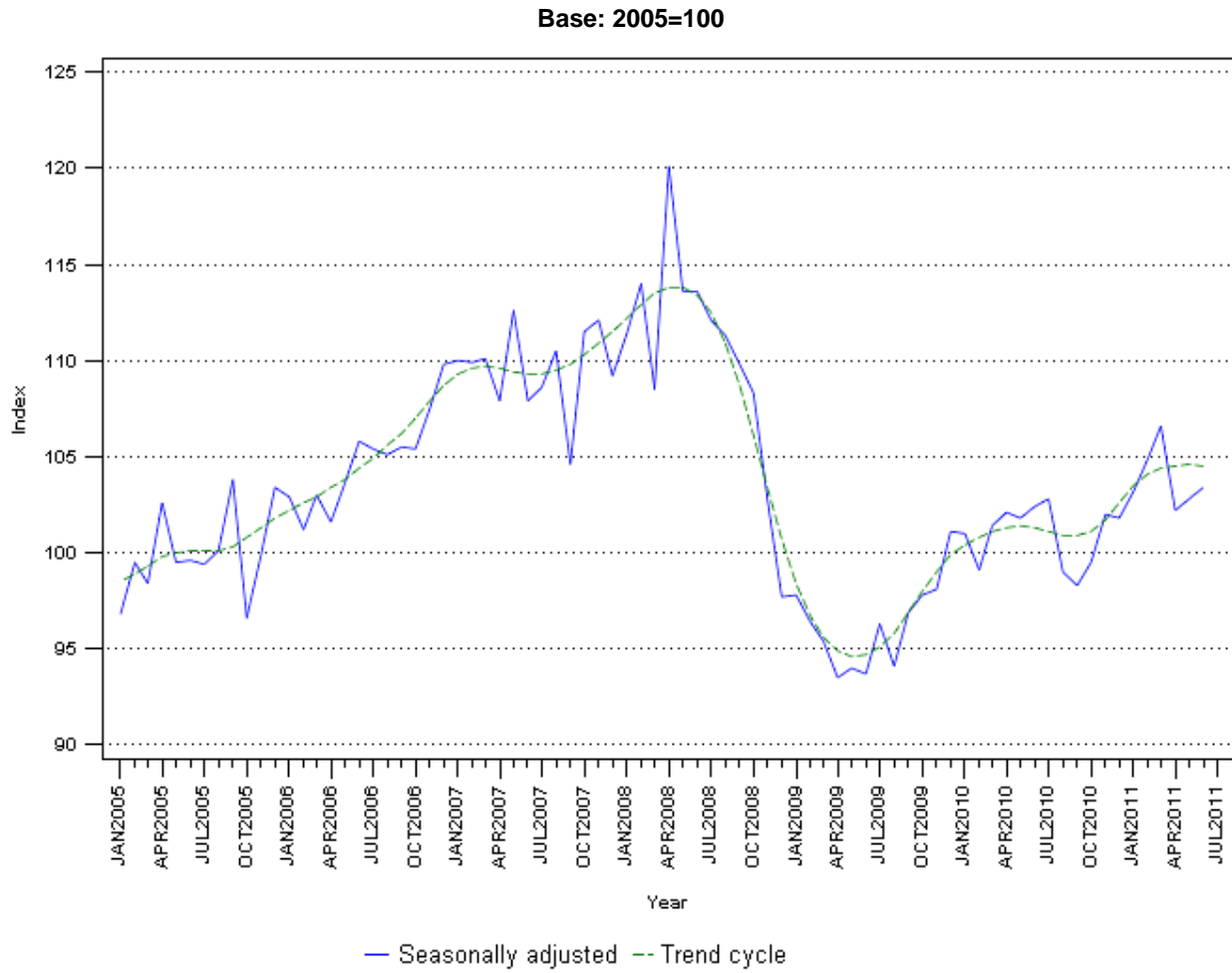
Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production

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 January to March 2011	Average seasonally adjusted production index for April to June 2011	Quarterly percentage change of April to June 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	117,3	114,4	-2,5	-0,4
-Meat, fish, fruit, etc.	1,8	115,1	116,2	1,0	0,0
-Dairy products	0,8	115,0	115,2	0,2	0,0
-Grain mill products	0,8	107,5	105,5	-1,9	0,0
-Other food products	5,2	116,1	112,4	-3,2	-0,2
-Beverages	6,8	120,2	116,3	-3,2	-0,3
Textiles, clothing, leather and footwear	4,9	81,4	79,9	-1,8	-0,1
-Textiles	1,6	68,5	65,0	-5,1	-0,1
-Wearing apparel	2,3	81,9	82,3	0,5	0,0
-Leather and leather products	0,6	95,7	92,3	-3,6	0,0
-Footwear	0,4	105,6	104,0	-1,5	0,0
Wood and wood products, paper, publishing and printing	10,2	99,2	94,2	-5,0	-0,5
-Wood and products of wood	2,0	87,7	86,8	-1,0	0,0
-Paper and paper products	3,8	112,6	106,8	-5,2	-0,2
-Publishing and printing	4,3	92,8	86,5	-6,8	-0,3
Petroleum, chemical products, rubber and plastic products	22,1	116,0	114,3	-1,5	-0,4
-Coke, petroleum products and nuclear fuel	8,5	97,4	94,8	-2,7	-0,2
-Basic chemicals	4,5	134,8	131,3	-2,6	-0,2
-Other chemical products	5,3	119,6	120,4	0,7	0,0
-Rubber products	1,0	95,7	91,0	-4,9	0,0
-Plastic products	2,7	143,0	143,4	0,3	0,0
Glass and non-metallic mineral products	4,8	93,6	93,2	-0,4	0,0
-Glass and glass products	1,0	118,1	111,9	-5,2	-0,1
-Non-metallic mineral products	3,8	87,5	88,5	1,1	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	92,9	94,0	1,2	0,2
-Basic iron and steel products	7,7	87,1	86,1	-1,1	-0,1
-Basic precious, non-ferrous metal products	3,4	107,7	110,6	2,7	0,1
-Fabricated metal products	5,7	106,5	103,8	-2,5	-0,1
-Machinery and equipment	6,1	78,8	85,5	8,5	0,4
Electrical machinery	2,5	132,0	129,8	-1,7	-0,1
Radio, television and communication apparatus and professional equipment	1,1	99,4	101,2	1,8	0,0
-Radio, television and communication apparatus	0,4	96,9	90,9	-6,2	0,0
-Professional equipment	0,7	101,1	107,7	6,5	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	109,0	100,7	-7,6	-0,9
-Motor vehicles	4,9	103,0	94,6	-8,2	-0,4
-Bodies for motor vehicles, trailers and semi-trailers	0,5	129,3	128,7	-0,5	0,0
-Parts and accessories	4,7	111,6	101,4	-9,1	-0,5
-Other transport equipment	0,9	117,5	115,0	-2,1	0,0
Furniture and other manufacturing division	5,2	97,4	97,6	0,2	0,0
-Furniture	1,3	98,8	92,0	-6,9	-0,1
-Other manufacturing groups	3,9	97,0	99,4	2,5	0,1
Total	100,0	104,9	102,8	-2,0	-2,0

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



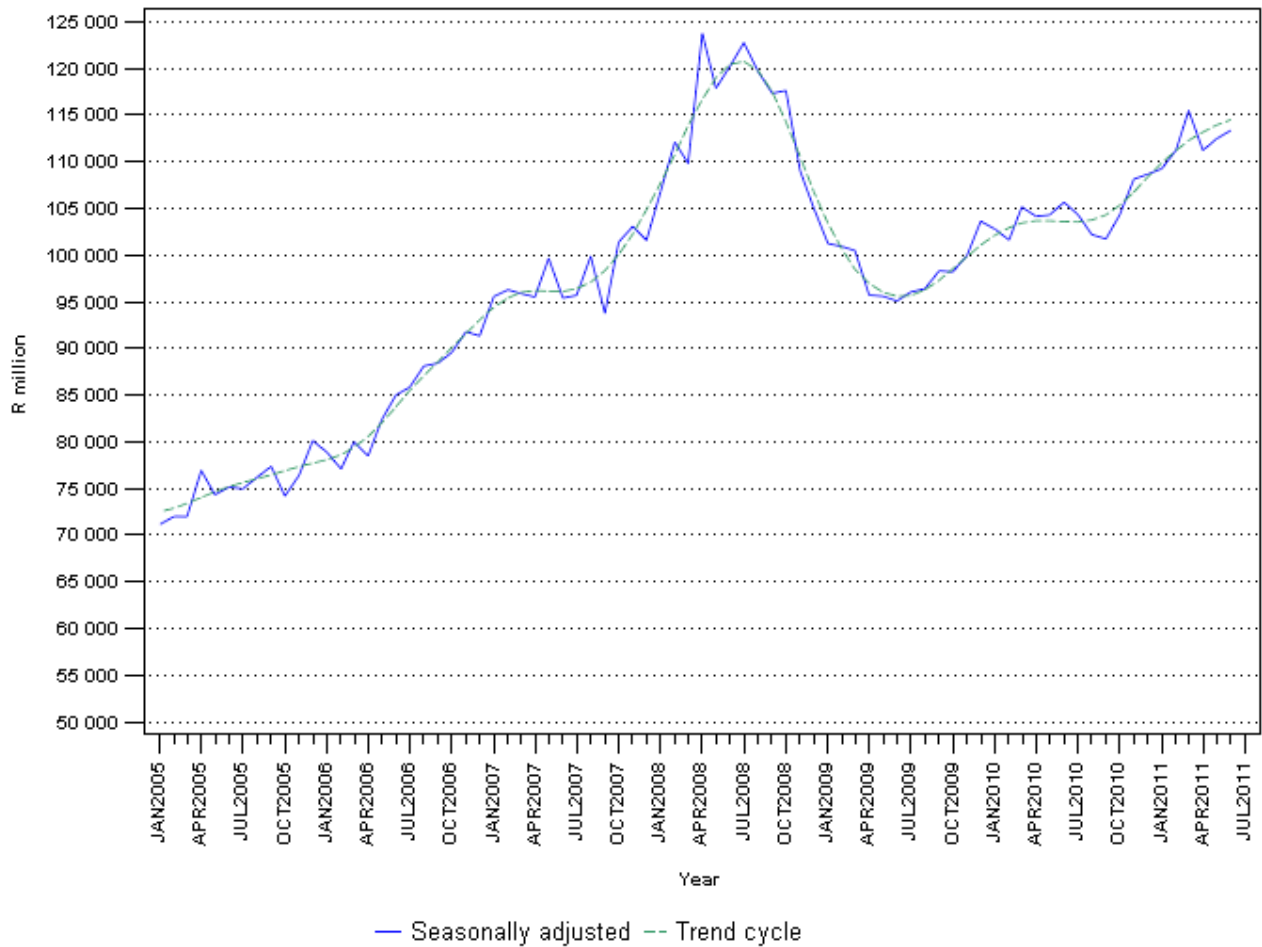
Seasonally adjusted sales of manufactured products (at current prices) in the second quarter of 2011 increased by 0,3% (R1 095 million) compared with the first quarter of 2011. Four of the ten manufacturing divisions reported positive growth rates over this period (see Table C).

The large increase reported by the petroleum, chemical products, rubber and plastic products division (5,7% or R4 506 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 January to March 2011	Seasonally adjusted sales April to June 2011	Percentage change between January to March 2011 and April to June 2011	Difference in seasonally adjusted sales of manufacturing divisions between January to March and April to June 2011
	R'000	R'000	%	R'000
Food and beverages	64 081 420	65 059 745	1,5	978 325
-Food and food products	48 246 087	49 447 279	2,5	1 201 192
-Beverages	15 835 332	15 612 468	-1,4	-222 864
Textiles, clothing, leather and footwear	9 164 667	9 227 225	0,7	62 558
-Textiles	3 714 871	3 643 534	-1,9	-71 337
-Wearing apparel	3 421 257	3 507 815	2,5	86 558
-Leather and leather products	1 100 817	1 093 335	-0,7	-7 482
-Footwear	927 720	982 543	5,9	54 823
Wood and wood products, paper, publishing and printing	27 969 129	27 214 333	-2,7	-754 796
-Wood and products of wood	6 011 365	5 819 997	-3,2	-191 368
-Paper and paper products	12 704 022	12 607 004	-0,8	-97 018
-Publishing and printing	9 253 742	8 787 331	-5,0	-466 411
Petroleum, chemical products, rubber and plastic products	79 061 200	83 566 866	5,7	4 505 666
-Coke, petroleum products and nuclear fuel	30 171 971	34 043 341	12,8	3 871 370
-Basic chemicals	16 573 859	17 192 008	3,7	618 149
-Other chemical products	18 127 492	17 998 833	-0,7	-128 659
-Rubber products	3 423 475	3 324 064	-2,9	-99 411
-Plastic products	10 764 402	11 008 619	2,3	244 217
Glass and non-metallic mineral products	10 467 751	10 517 767	0,5	50 016
-Glass and glass products	1 823 397	1 716 987	-5,8	-106 410
-Non-metallic mineral products	8 644 354	8 800 779	1,8	156 425
Basic iron and steel, non-ferrous metal products, metal products and machinery	73 571 093	71 828 953	-2,4	-1 742 140
-Basic iron and steel products	26 311 852	24 335 693	-7,5	-1 976 159
-Basic precious, non-ferrous metal products	15 345 693	14 629 385	-4,7	-716 308
-Fabricated metal products	16 373 673	15 983 549	-2,4	-390 124
-Machinery and equipment	15 539 876	16 880 323	8,6	1 340 447
Electrical machinery	10 115 955	9 607 344	-5,0	-508 611
Radio, television and communication apparatus and professional equipment	3 381 554	3 368 700	-0,4	-12 854
-Radio, television and communication apparatus	1 446 290	1 319 389	-8,8	-126 901
-Professional equipment	1 935 264	2 049 311	5,9	114 047
Motor vehicles, parts and accessories and other transport equipment	42 690 030	41 481 403	-2,8	-1 208 627
-Motor vehicles, trailers, parts and accessories	38 507 407	37 354 854	-3,0	-1 152 553
-Other transport equipment	4 182 625	4 126 548	-1,3	-56 077
Furniture and other manufacturing division	15 395 789	15 120 874	-1,8	-274 915
-Furniture	3 429 681	3 187 555	-7,1	-242 126
-Other manufacturing groups	11 966 109	11 933 321	-0,3	-32 788
Total	335 898 589	336 993 208	0,3	1 094 619

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	110,3
Apr	96,2	95,4	100,8	111,7	87,0	94,6	1/ 94,7
May	100,3	104,3	113,2	114,1	94,0	101,7	1/ 102,7
Jun	100,1	106,6	109,0	114,9	94,9	103,7	1/ 104,6
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	0,1
May	1,6	4,0	8,5	0,8	-17,6	8,2	1,0
Jun	2,6	6,5	2,3	5,4	-17,4	9,3	0,9
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	111,4	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	95,4	101,4	106,6
Apr	102,6	101,6	107,9	120,1	93,5	102,1	102,2
May	99,5	103,6	112,6	113,6	94,0	101,8	102,8
Jun	99,6	105,8	107,9	113,6	93,7	102,4	103,4
Jul	99,4	105,4	108,6	112,1	96,3	102,8	
Aug	100,1	105,1	110,5	111,3	94,1	99,0	
Sep	103,8	105,5	104,6	109,8	96,9	98,3	
Oct	96,6	105,4	111,5	108,3	97,8	99,5	
Nov	99,9	107,5	112,1	102,6	98,1	102,0	
Dec	103,4	109,8	109,2	97,7	101,1	101,8	

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 2010	Actual indices			Seasonally adjusted indices		
			June 2010	1/ May 2011	1/ June 2011	June 2010	May 2011	June 2011
Food and beverages	15,4	116,5	117,0	111,0	114,0	117,1	113,9	114,4
-Meat, fish, fruit, etc.	1,8	115,4	116,4	117,6	118,4	114,8	116,1	116,6
-Dairy products	0,8	111,6	102,4	104,4	102,3	111,8	114,5	112,1
-Grain mill products	0,8	110,4	115,6	105,1	109,7	111,5	106,0	105,6
-Other food products	5,2	116,4	135,4	118,5	128,3	119,7	111,8	113,3
-Beverages	6,8	118,2	104,9	105,1	103,9	117,2	115,7	116,0
Textiles, clothing, leather and footwear	4,9	84,1	84,5	79,6	79,3	85,5	78,8	80,2
-Textiles	0,7	66,5	67,4	61,6	60,8	64,8	56,5	58,7
-Other textile products	0,9	73,1	70,0	70,0	71,9	70,3	70,1	72,6
-Knitted, crocheted articles	0,2	103,6	106,2	110,3	100,4	101,7	94,2	96,7
-Wearing apparel	2,1	86,5	87,6	78,1	76,9	91,7	79,5	80,6
-Leather and leather products	0,6	90,4	98,0	94,2	96,3	93,0	92,3	90,7
-Footwear	0,4	107,3	99,7	103,5	103,8	103,1	103,4	107,4
Wood and wood products, paper, publishing and printing	10,2	96,6	97,6	95,2	94,1	97,2	95,2	94,0
-Sawmilling and planing of wood	0,7	84,0	80,1	87,6	88,8	80,7	87,4	90,0
-Products of wood	1,3	87,7	87,3	90,4	91,0	83,7	89,4	87,8
-Paper and paper products	3,8	113,3	121,5	104,4	111,9	116,1	104,9	107,0
-Publishing	1,9	81,1	80,6	83,9	79,9	81,8	83,8	81,1
-Printing, recorded media	2,5	90,6	83,8	93,9	80,4	91,3	94,0	88,0
Petroleum, chemical products, rubber and plastic products	22,1	111,3	118,0	114,0	115,7	116,4	114,5	114,2
-Coke, petroleum products and nuclear fuel	8,5	92,8	102,5	98,2	96,0	98,8	94,9	92,4
-Basic chemicals	4,5	126,2	142,3	128,4	130,8	141,6	132,3	130,3
-Other chemical products	5,3	117,2	117,1	116,9	122,8	117,3	120,2	123,1
-Rubber products	1,0	82,5	84,5	93,5	94,5	83,6	90,3	93,6
-Plastic products	2,7	143,4	140,1	141,0	145,8	139,6	143,6	145,8
Glass and non-metallic mineral products	4,8	93,9	99,9	93,6	98,1	96,7	94,2	94,8
-Glass and glass products	1,0	120,7	124,7	102,2	110,3	125,4	111,8	110,8
-Non-metallic mineral products	3,8	87,2	93,7	91,5	95,1	89,6	89,8	90,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,3	91,4	96,7	93,6	89,8	95,7	92,1
-Basic iron and steel products	7,7	80,1	86,6	95,2	77,3	82,0	90,3	72,8
-Non-ferrous metal products	3,4	100,3	96,9	114,5	107,4	99,0	111,5	109,8
-Structural metal products	2,0	92,9	95,8	87,2	99,0	90,6	82,1	93,8
-Other fabricated metal products	3,8	106,1	107,5	114,5	120,3	104,1	114,0	117,0
-General purpose machinery	2,4	70,1	68,9	71,2	76,9	70,1	73,3	78,4
-Special purpose machinery	3,1	89,9	89,9	83,9	93,7	94,0	94,9	98,0
-Household appliances	0,6	98,4	102,1	99,2	103,1	101,1	98,5	101,8
Electrical machinery	2,5	127,6	125,9	125,1	131,5	126,2	131,2	131,8
Radio, television and communication apparatus and professional equipment	1,1	94,2	95,4	102,5	105,2	92,3	99,9	102,0
-Radio, television and communication apparatus	0,4	92,0	90,9	97,7	94,3	89,4	97,5	93,2
-Professional equipment	0,7	95,7	98,2	105,5	112,1	94,1	101,4	107,6
Motor vehicles, parts and accessories and other transport equipment	10,9	96,0	97,4	101,1	112,8	94,9	97,9	109,9
-Motor vehicles	4,9	85,5	84,9	89,1	108,0	85,2	85,4	108,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,9	134,5	132,0	138,4	127,2	129,9	129,8
-Parts and accessories	4,7	100,2	101,3	107,8	113,1	98,1	104,3	109,0
-Other transport equipment	0,9	117,8	124,2	115,5	123,4	113,8	115,4	112,8
Furniture and other manufacturing division	5,2	91,8	95,2	93,7	97,3	92,4	95,0	95,0
-Furniture	1,3	92,1	94,0	92,6	91,4	93,7	92,8	91,1
-Other manufacturing groups	3,9	91,7	95,6	94,0	99,3	91,9	95,7	96,3
Total	100,0	100,9	103,7	102,7	104,6	102,4	102,8	103,4

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		
			June 2010	1/ June 2011	Percentage change between June 2010 and June 2011	May 2011	June 2011	Percentage change between May and June 2011
Food and beverages	15,4	116,5	117,0	114,0	-2,6	113,9	114,4	0,4
-Meat, fish, fruit, etc.	1,8	115,4	116,4	118,4	1,7	116,1	116,6	0,4
-Dairy products	0,8	111,6	102,4	102,3	-0,1	114,5	112,1	-2,1
-Grain mill products	0,8	110,4	115,6	109,7	-5,1	106,0	105,6	-0,4
-Other food products	5,2	116,4	135,4	128,3	-5,2	111,8	113,3	1,3
-Beverages	6,8	118,2	104,9	103,9	-1,0	115,7	116,0	0,3
Textiles, clothing, leather and footwear	4,9	84,1	84,5	79,3	-6,2	78,8	80,2	1,8
-Textiles	0,7	66,5	67,4	60,8	-9,8	56,5	58,7	3,9
-Other textile products	0,9	73,1	70,0	71,9	2,7	70,1	72,6	3,6
-Knitted, crocheted articles	0,2	103,6	106,2	100,4	-5,5	94,2	96,7	2,7
-Wearing apparel	2,1	86,5	87,6	76,9	-12,2	79,5	80,6	1,4
-Leather and leather products	0,6	90,4	98,0	96,3	-1,7	92,3	90,7	-1,7
-Footwear	0,4	107,3	99,7	103,8	4,1	103,4	107,4	3,9
Wood and wood products, paper, publishing and printing	10,2	96,6	97,6	94,1	-3,6	95,2	94,0	-1,3
-Sawmilling and planing of wood	0,7	84,0	80,1	88,8	10,9	87,4	90,0	3,0
-Products of wood	1,3	87,7	87,3	91,0	4,2	89,4	87,8	-1,8
-Paper and paper products	3,8	113,3	121,5	111,9	-7,9	104,9	107,0	2,0
-Publishing	1,9	81,1	80,6	79,9	-0,9	83,8	81,1	-3,2
-Printing, recorded media	2,5	90,6	83,8	80,4	-4,1	94,0	88,0	-6,4
Petroleum, chemical products, rubber and plastic products	22,1	111,3	118,0	115,7	-1,9	114,5	114,2	-0,3
-Coke, petroleum products and nuclear fuel	8,5	92,8	102,5	96,0	-6,3	94,9	92,4	-2,6
-Basic chemicals	4,5	126,2	142,3	130,8	-8,1	132,3	130,3	-1,5
-Other chemical products	5,3	117,2	117,1	122,8	4,9	120,2	123,1	2,4
-Rubber products	1,0	82,5	84,5	94,5	11,8	90,3	93,6	3,7
-Plastic products	2,7	143,4	140,1	145,8	4,1	143,6	145,8	1,5
Glass and non-metallic mineral products	4,8	93,9	99,9	98,1	-1,8	94,2	94,8	0,6
-Glass and glass products	1,0	120,7	124,7	110,3	-11,5	111,8	110,8	-0,9
-Non-metallic mineral products	3,8	87,2	93,7	95,1	1,5	89,8	90,7	1,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,3	91,4	93,6	2,4	95,7	92,1	-3,8
-Basic iron and steel products	7,7	80,1	86,6	77,3	-10,7	90,3	72,8	-19,4
-Non-ferrous metal products	3,4	100,3	96,9	107,4	10,8	111,5	109,8	-1,5
-Structural metal products	2,0	92,9	95,8	99,0	3,3	82,1	93,8	14,3
-Other fabricated metal products	3,8	106,1	107,5	120,3	11,9	114,0	117,0	2,6
-General purpose machinery	2,4	70,1	68,9	76,9	11,6	73,3	78,4	7,0
-Special purpose machinery	3,1	89,9	89,9	93,7	4,2	94,9	98,0	3,3
-Household appliances	0,6	98,4	102,1	103,1	1,0	98,5	101,8	3,4
Electrical machinery	2,5	127,6	125,9	131,5	4,4	131,2	131,8	0,5
Radio, television and communication apparatus and professional equipment	1,1	94,2	95,4	105,2	10,3	99,9	102,0	2,1
-Radio, television and communication apparatus	0,4	92,0	90,9	94,3	3,7	97,5	93,2	-4,4
-Professional equipment	0,7	95,7	98,2	112,1	14,2	101,4	107,6	6,1
Motor vehicles, parts and accessories and other transport equipment	10,9	96,0	97,4	112,8	15,8	97,9	109,9	12,3
-Motor vehicles	4,9	85,5	84,9	108,0	27,2	85,4	108,3	26,8
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,9	134,5	138,4	2,9	129,9	129,8	-0,1
-Parts and accessories	4,7	100,2	101,3	113,1	11,6	104,3	109,0	4,5
-Other transport equipment	0,9	117,8	124,2	123,4	-0,6	115,4	112,8	-2,3
Furniture and other manufacturing division	5,2	91,8	95,2	97,3	2,2	95,0	95,0	0,0
-Furniture	1,3	92,1	94,0	91,4	-2,8	92,8	91,1	-1,8
-Other manufacturing groups	3,9	91,7	95,6	99,3	3,9	95,7	96,3	0,6
Total	100,0	100,9	103,7	104,6	0,9	102,8	103,4	0,6

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	119 462 859
Apr	72 381 184	73 494 509	89 107 318	115 062 249	88 797 741	96 353 590	1/ 102 762 919
May	74 601 624	82 575 109	100 003 365	118 293 383	95 133 046	103 770 879	1/ 111 829 307
Jun	76 071 471	86 293 995	97 130 007	122 894 285	96 891 148	107 804 180	1/ 115 681 017
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	7,8
Jun	7,0	13,4	12,6	26,5	-21,2	11,3	7,3
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	-0,9	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	71 168 959	78 869 571	95 551 746	106 821 501	101 227 893	102 782 531	109 237 880
Feb	72 016 233	77 098 413	96 278 274	112 089 415	100 903 215	101 598 052	111 199 046
Mar	71 994 548	79 984 242	95 880 809	109 813 113	100 471 370	105 147 700	115 461 663
Apr	76 932 817	78 484 420	95 505 985	123 710 627	95 696 846	104 136 329	111 208 211
May	74 334 582	82 383 197	99 659 890	117 866 131	95 589 499	104 289 816	112 439 367
Jun	75 159 718	85 006 282	95 397 076	120 237 196	95 074 721	105 642 069	113 345 630
Jul	74 965 986	85 840 729	95 677 517	122 729 071	96 042 576	104 382 184	
Aug	76 189 820	88 110 745	99 871 896	119 663 745	96 387 449	102 180 509	
Sep	77 367 182	88 424 809	93 766 703	117 302 463	98 298 637	101 726 525	
Oct	74 190 401	89 570 158	101 361 600	117 606 184	98 192 662	104 294 620	
Nov	76 406 399	91 788 206	103 066 014	109 008 203	99 931 858	108 122 209	
Dec	80 134 544	91 333 718	101 571 304	105 001 503	103 611 618	108 643 434	

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		
		June 2010	1/ May 2011	1/ June 2011	June 2010	May 2011	June 2011
Food and beverages	247 861 866	20 637 682	20 661 343	21 463 478	20 818 783	21 683 380	21 617 498
-Meat, fish, fruit, etc.	68 098 286	5 674 516	6 009 425	6 042 749	5 625 847	6 010 304	5 996 468
-Dairy products	21 766 971	1 679 117	1 788 604	1 721 754	1 838 298	1 918 978	1 893 847
-Grain mill products	41 600 010	3 589 730	3 638 494	3 971 883	3 453 853	3 695 417	3 815 589
-Other food products	54 886 397	4 913 774	4 698 224	4 994 306	4 690 869	4 809 510	4 761 237
-Beverages	61 510 202	4 780 545	4 526 596	4 732 786	5 209 915	5 249 172	5 150 357
Textiles, clothing, leather and footwear	37 440 194	3 143 486	3 092 777	3 106 058	3 135 221	3 041 361	3 099 028
-Textiles	5 511 661	497 480	475 475	464 835	465 320	445 737	434 666
-Other textile products	9 422 156	779 637	779 743	789 012	768 454	753 780	781 139
-Knitted, crocheted articles	1 789 747	157 145	171 780	155 450	148 041	141 766	147 188
-Wearing apparel	12 946 861	1 071 990	1 000 412	987 271	1 102 290	1 015 086	1 014 063
-Leather and leather products	4 031 752	353 145	359 602	397 256	340 495	361 963	380 078
-Footwear	3 738 017	284 089	305 765	312 234	310 622	323 029	341 895
Wood and wood products, paper, publishing and printing	108 331 794	9 283 538	9 224 602	9 269 019	9 026 475	9 191 676	9 014 703
-Sawmilling and planing of wood	7 162 177	563 786	615 628	644 833	566 198	632 296	649 763
-Products of wood	15 674 954	1 294 966	1 391 106	1 368 007	1 241 767	1 357 805	1 318 490
-Paper and paper products	50 588 982	4 658 787	4 242 450	4 534 975	4 330 842	4 236 003	4 201 625
-Publishing	14 395 096	1 203 279	1 231 732	1 170 364	1 198 883	1 233 828	1 165 021
-Printing, recorded media	20 510 585	1 562 720	1 743 686	1 550 840	1 688 785	1 731 744	1 679 804
Petroleum, chemical products, rubber and plastic products	281 192 361	24 891 588	28 641 405	28 021 167	24 168 179	28 793 581	27 096 690
-Coke, petroleum products and nuclear fuel	96 580 234	9 338 000	12 700 154	10 970 620	8 701 530	12 214 878	10 181 037
-Basic chemicals	60 915 156	5 263 649	5 528 824	6 125 441	5 126 068	5 879 244	5 940 844
-Other chemical products	69 496 277	5 829 933	5 720 474	6 050 457	5 867 341	5 939 193	6 078 311
-Rubber products	12 022 322	1 009 213	1 092 179	1 164 660	985 612	1 091 473	1 139 555
-Plastic products	42 178 372	3 450 793	3 599 774	3 709 989	3 487 628	3 668 792	3 756 943
Glass and non-metallic mineral products	41 053 595	3 499 608	3 433 315	3 675 126	3 436 298	3 477 775	3 611 997
-Glass and glass products	7 022 938	572 233	504 968	575 215	572 561	570 502	575 822
-Non-metallic mineral products	34 030 657	2 927 375	2 928 347	3 099 911	2 863 737	2 907 273	3 036 175
Basic iron and steel, non-ferrous metal products, metal products and machinery	267 417 493	23 715 913	23 875 277	25 524 362	22 984 714	23 739 239	24 898 008
-Basic iron and steel products	91 933 429	9 148 024	8 251 998	8 666 267	8 493 001	7 872 263	8 075 860
-Non-ferrous metal products	48 179 393	3 824 052	5 157 193	5 076 714	3 817 297	5 098 434	5 096 005
-Structural metal products	21 961 423	1 858 845	1 804 807	2 029 821	1 781 229	1 776 960	1 951 726
-Other fabricated metal products	40 294 797	3 384 609	3 488 376	3 729 228	3 294 786	3 504 318	3 636 742
-General purpose machinery	27 319 528	2 442 237	2 266 766	2 581 347	2 418 434	2 347 931	2 556 019
-Special purpose machinery	28 035 881	2 240 168	2 091 572	2 607 853	2 350 791	2 327 740	2 740 650
-Household appliances	9 693 042	817 978	814 565	833 132	829 176	811 592	841 005
-Electrical machinery	37 583 772	3 228 890	3 242 757	3 369 725	3 156 482	3 258 650	3 282 044
Radio, television and communication apparatus and professional equipment	13 079 544	1 046 464	1 052 368	1 171 073	998 354	1 042 414	1 117 292
-Radio, television and communication apparatus	5 511 967	436 253	390 759	440 106	425 412	418 821	432 055
-Professional equipment	7 567 577	610 211	661 609	730 967	572 942	623 593	685 237
Motor vehicles, parts and accessories and other transport equipment	162 365 788	13 256 567	13 638 301	15 029 241	12 931 460	13 097 078	14 648 280
-Motor vehicles	82 269 350	6 481 206	6 267 082	7 225 598	6 517 346	6 041 447	7 272 920
-Bodies for motor vehicles, trailers and semi-trailers	7 611 222	718 126	679 724	758 549	678 401	684 320	712 158
-Parts and accessories	56 427 275	4 664 660	5 304 251	5 561 300	4 475 271	4 980 221	5 321 532
-Other transport equipment	16 057 941	1 392 575	1 387 244	1 483 794	1 260 442	1 391 089	1 341 670
Furniture and other manufacturing division	56 670 444	5 100 444	4 967 162	5 051 768	4 986 103	5 114 214	4 960 090
-Furniture	12 033 883	998 914	1 059 241	1 059 445	1 003 458	1 061 888	1 064 970
-Other manufacturing groups	44 636 561	4 101 530	3 907 921	3 992 323	3 982 644	4 052 326	3 895 121
Total	1 252 996 851	107 804 180	111 829 307	115 681 017	105 642 069	112 439 367	113 345 630

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		
		June 2010	1/ June 2011	Percentage change between June 2010 and June 2011	May 2011	June 2011	Percentage change between May and June 2011
Food and beverages	247 861 866	20 637 682	21 463 478	4,0	21 683 380	21 617 498	-0,3
-Meat, fish, fruit, etc.	68 098 286	5 674 516	6 042 749	6,5	6 010 304	5 996 468	-0,2
-Dairy products	21 766 971	1 679 117	1 721 754	2,5	1 918 978	1 893 847	-1,3
-Grain mill products	41 600 010	3 589 730	3 971 883	10,6	3 695 417	3 815 589	3,3
-Other food products	54 886 397	4 913 774	4 994 306	1,6	4 809 510	4 761 237	-1,0
-Beverages	61 510 202	4 780 545	4 732 786	-1,0	5 249 172	5 150 357	-1,9
Textiles, clothing, leather and footwear	37 440 194	3 143 486	3 106 058	-1,2	3 041 361	3 099 028	1,9
-Textiles	5 511 661	497 480	464 835	-6,6	445 737	434 666	-2,5
-Other textile products	9 422 156	779 637	789 012	1,2	753 780	781 139	3,6
-Knitted, crocheted articles	1 789 747	157 145	155 450	-1,1	141 766	147 188	3,8
-Wearing apparel	12 946 861	1 071 990	987 271	-7,9	1 015 086	1 014 063	-0,1
-Leather and leather products	4 031 752	353 145	397 256	12,5	361 963	380 078	5,0
-Footwear	3 738 017	284 089	312 234	9,9	323 029	341 895	5,8
Wood and wood products, paper, publishing and printing	108 331 794	9 283 538	9 269 019	-0,2	9 191 676	9 014 703	-1,9
-Sawmilling and planing of wood	7 162 177	563 786	644 833	14,4	632 296	649 763	2,8
-Products of wood	15 674 954	1 294 966	1 368 007	5,6	1 357 805	1 318 490	-2,9
-Paper and paper products	50 588 982	4 658 787	4 534 975	-2,7	4 236 003	4 201 625	-0,8
-Publishing	14 395 096	1 203 279	1 170 364	-2,7	1 233 828	1 165 021	-5,6
-Printing, recorded media	20 510 585	1 562 720	1 550 840	-0,8	1 731 744	1 679 804	-3,0
Petroleum, chemical products, rubber and plastic products	281 192 361	24 891 588	28 021 167	12,6	28 793 581	27 096 690	-5,9
-Coke, petroleum products and nuclear fuel	96 580 234	9 338 000	10 970 620	17,5	12 214 878	10 181 037	-16,7
-Basic chemicals	60 915 156	5 263 649	6 125 441	16,4	5 879 244	5 940 844	1,0
-Other chemical products	69 496 277	5 829 933	6 050 457	3,8	5 939 193	6 078 311	2,3
-Rubber products	12 022 322	1 009 213	1 164 660	15,4	1 091 473	1 139 555	4,4
-Plastic products	42 178 372	3 450 793	3 709 989	7,5	3 668 792	3 756 943	2,4
Glass and non-metallic mineral products	41 053 595	3 499 608	3 675 126	5,0	3 477 775	3 611 997	3,9
-Glass and glass products	7 022 938	572 233	575 215	0,5	570 502	575 822	0,9
-Non-metallic mineral products	34 030 657	2 927 375	3 099 911	5,9	2 907 273	3 036 175	4,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	267 417 493	23 715 913	25 524 362	7,6	23 739 239	24 898 008	4,9
-Basic iron and steel products	91 933 429	9 148 024	8 666 267	-5,3	7 872 263	8 075 860	2,6
-Non-ferrous metal products	48 179 393	3 824 052	5 076 714	32,8	5 098 434	5 096 005	0,0
-Structural metal products	21 961 423	1 858 845	2 029 821	9,2	1 776 960	1 951 726	9,8
-Other fabricated metal products	40 294 797	3 384 609	3 729 228	10,2	3 504 318	3 636 742	3,8
-General purpose machinery	27 319 528	2 442 237	2 581 347	5,7	2 347 931	2 556 019	8,9
-Special purpose machinery	28 035 881	2 240 168	2 607 853	16,4	2 327 740	2 740 650	17,7
-Household appliances	9 693 042	817 978	833 132	1,9	811 592	841 005	3,6
Electrical machinery	37 583 772	3 228 890	3 369 725	4,4	3 258 650	3 282 044	0,7
Radio, television and communication apparatus and professional equipment	13 079 544	1 046 464	1 171 073	11,9	1 042 414	1 117 292	7,2
-Radio, television and communication apparatus	5 511 967	436 253	440 106	0,9	418 821	432 055	3,2
-Professional equipment	7 567 577	610 211	730 967	19,8	623 593	685 237	9,9
Motor vehicles, parts and accessories and other transport equipment	162 365 788	13 256 567	15 029 241	13,4	13 097 078	14 648 280	11,8
-Motor vehicles	82 269 350	6 481 206	7 225 598	11,5	6 041 447	7 272 920	20,4
-Bodies for motor vehicles, trailers and semi-trailers	7 611 222	718 126	758 549	5,6	684 320	712 158	4,1
-Parts and accessories	56 427 275	4 664 660	5 561 300	19,2	4 980 221	5 321 532	6,9
-Other transport equipment	16 057 941	1 392 575	1 483 794	6,6	1 391 089	1 341 670	-3,6
Furniture and other manufacturing division	56 670 444	5 100 444	5 051 768	-1,0	5 114 214	4 960 090	-3,0
-Furniture	12 033 883	998 914	1 059 445	6,1	1 061 888	1 064 970	0,3
-Other manufacturing groups	44 636 561	4 101 530	3 992 323	-2,7	4 052 326	3 895 121	-3,9
Total	1 252 996 851	107 804 180	115 681 017	7,3	112 439 367	113 345 630	0,8

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. 2010	Apr. to Jun. 2011	Annual percentage change between Apr. to Jun. 2010 and Apr. to Jun. 2011	Apr. to Jun. 2010	Apr. to Jun. 2011	Annual percentage change between Apr. to Jun. 2010 and Apr. to Jun. 2011
Food and beverages	15,4	111,0	109,5	-1,4	58 438 798	62 527 600	7,0
-Meat, fish, fruit, etc.	1,8	111,4	116,1	4,2	16 201 038	17 780 940	9,8
-Dairy products	0,8	101,4	106,0	4,5	5 027 866	5 295 599	5,3
-Grain mill products	0,8	108,3	104,3	-3,7	10 098 190	10 953 654	8,5
-Other food products	5,2	120,5	115,7	-4,0	13 532 001	14 496 029	7,1
-Beverages	6,8	105,1	104,2	-0,9	13 579 703	14 001 378	3,1
Textiles, clothing, leather and footwear	4,9	85,3	79,3	-7,0	9 594 674	9 203 575	-4,1
-Textiles	0,7	68,8	59,4	-13,7	1 435 207	1 390 578	-3,1
-Other textile products	0,9	72,9	68,9	-5,5	2 475 015	2 308 418	-6,7
-Knitted, crocheted articles	0,2	119,4	107,9	-9,6	528 243	492 976	-6,7
-Wearing apparel	2,1	86,2	79,3	-8,0	3 220 717	3 007 742	-6,6
-Leather and leather products	0,6	96,6	94,6	-2,1	1 062 863	1 096 811	3,2
-Footwear	0,4	104,2	100,3	-3,7	872 629	907 050	3,9
Wood and wood products, paper, publishing and printing	10,2	93,1	91,4	-1,8	26 175 202	26 503 789	1,3
-Sawmilling and planing of wood	0,7	82,0	83,3	1,6	1 725 443	1 769 603	2,6
-Products of wood	1,3	83,8	86,5	3,2	3 779 613	3 964 498	4,9
-Paper and paper products	3,8	111,6	105,2	-5,7	12 453 100	12 445 459	-0,1
-Publishing	1,9	79,8	80,6	1,0	3 554 390	3 607 504	1,5
-Printing, recorded media	2,5	82,6	82,8	0,2	4 662 656	4 716 725	1,2
Petroleum, chemical products, rubber and plastic products	22,1	112,1	113,1	0,9	69 264 540	82 247 579	18,7
-Coke, petroleum products and nuclear fuel	8,5	96,1	97,1	1,0	24 926 003	34 542 834	38,6
-Basic chemicals	4,5	128,6	127,5	-0,9	14 159 149	16 440 274	16,1
-Other chemical products	5,3	114,5	117,0	2,2	16 932 474	17 357 678	2,5
-Rubber products	1,0	84,6	90,3	6,7	2 978 317	3 267 298	9,7
-Plastic products	2,7	140,1	140,0	-0,1	10 268 597	10 639 495	3,6
Glass and non-metallic mineral products	4,8	93,7	92,3	-1,5	9 940 361	10 201 579	2,6
-Glass and glass products	1,0	115,0	105,4	-8,3	1 580 035	1 577 225	-0,2
-Non-metallic mineral products	3,8	88,4	89,0	0,7	8 360 326	8 624 354	3,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	90,0	93,3	3,7	67 907 188	71 028 972	4,6
-Basic iron and steel products	7,7	85,8	88,9	3,6	25 238 953	24 878 318	-1,4
-Non-ferrous metal products	3,4	97,8	109,9	12,4	11 792 268	14 489 038	22,9
-Structural metal products	2,0	97,7	89,3	-8,6	5 624 730	5 479 963	-2,6
-Other fabricated metal products	3,8	104,8	112,1	7,0	9 801 517	10 319 903	5,3
-General purpose machinery	2,4	66,8	70,3	5,2	6 661 808	6 912 632	3,8
-Special purpose machinery	3,1	85,3	82,6	-3,2	6 400 783	6 560 177	2,5
-Household appliances	0,6	98,1	96,7	-1,4	2 387 129	2 388 941	0,1
Electrical machinery	2,5	124,6	125,4	0,6	9 484 365	9 570 372	0,9
Radio, television and communication apparatus and professional equipment	1,1	91,3	100,2	9,7	3 079 968	3 330 533	8,1
-Radio, television and communication apparatus	0,4	85,6	88,6	3,5	1 257 322	1 264 721	0,6
-Professional equipment	0,7	94,9	107,6	13,4	1 822 646	2 065 812	13,3
Motor vehicles, parts and accessories and other transport equipment	10,9	96,6	98,8	2,3	39 808 215	40 877 796	2,7
-Motor vehicles	4,9	84,1	89,8	6,8	19 987 685	19 355 563	-3,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	123,8	130,5	5,4	1 955 616	2 088 200	6,8
-Parts and accessories	4,7	103,8	102,5	-1,3	14 080 237	15 386 236	9,3
-Other transport equipment	0,9	111,7	112,4	0,6	3 784 677	4 047 797	7,0
Furniture and other manufacturing division	5,2	90,3	91,5	1,3	14 235 338	14 781 448	3,8
-Furniture	1,3	90,5	89,2	-1,4	2 903 291	3 079 526	6,1
-Other manufacturing groups	3,9	90,2	92,2	2,2	11 332 047	11 701 922	3,3
Total	100,0	100,0	100,7	0,7	307 928 649	330 273 243	7,3

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. 2010	Jan. to Jun. 2011	Annual percentage change between 2010 and 2011	Contribution (percentage points)	Jan. to Jun. 2010	Jan. to Jun. 2011	Annual percentage change between 2010 and 2011	Difference in sales between 2010 and 2011
Food and beverages	15,4	107,5	108,6	1,0	0,2	115 539	122 678	6,2	7 139
-Meat, fish, fruit, etc.	1,8	110,5	114,0	3,2	0,1	31 799	34 729	9,2	2 930
-Dairy products	0,8	103,8	109,4	5,4	0,0	10 153	10 733	5,7	580
-Grain mill products	0,8	106,9	104,2	-2,5	0,0	20 133	21 218	5,4	1 085
-Other food products	5,2	103,7	104,4	0,7	0,0	25 587	26 973	5,4	1 386
-Beverages	6,8	110,0	110,8	0,7	0,1	27 867	29 025	4,2	1 158
Textiles, clothing, leather and footwear	4,9	82,6	77,7	-5,9	-0,2	18 379	17 665	-3,9	-714
-Textiles	0,7	68,1	61,0	-10,4	-0,1	2 785	2 764	-0,8	-21
-Other textile products	0,9	72,7	69,1	-5,0	0,0	4 734	4 456	-5,9	-278
-Knitted, crocheted articles	0,2	112,8	103,6	-8,2	0,0	978	924	-5,5	-54
-Wearing apparel	2,1	83,7	76,3	-8,8	-0,2	6 217	5 663	-8,9	-554
-Leather and leather products	0,6	90,9	94,5	4,0	0,0	2 027	2 191	8,1	164
-Footwear	0,4	98,0	95,3	-2,8	0,0	1 638	1 667	1,8	29
Wood and wood products, paper, publishing and printing	10,2	91,1	92,9	2,0	0,2	50 953	53 000	4,0	2 047
-Sawmilling and planing of wood	0,7	81,7	83,8	2,6	0,0	3 437	3 567	3,8	130
-Products of wood	1,3	82,3	85,1	3,4	0,0	7 371	7 782	5,6	411
-Paper and paper products	3,8	108,4	106,4	-1,8	-0,1	23 979	24 545	2,4	566
-Publishing	1,9	79,0	81,2	2,8	0,0	7 030	7 208	2,5	178
-Printing, recorded media	2,5	80,7	87,5	8,4	0,2	9 136	9 898	8,3	762
Petroleum, chemical products, rubber and plastic products	22,1	108,1	111,5	3,1	0,8	133 306	155 166	16,4	21 860
-Coke, petroleum products and nuclear fuel	8,5	91,0	94,7	4,1	0,3	46 650	61 113	31,0	14 463
-Basic chemicals	4,5	121,2	125,2	3,3	0,2	27 868	32 114	15,2	4 246
-Other chemical products	5,3	113,2	116,3	2,7	0,2	32 786	34 485	5,2	1 699
-Rubber products	1,0	83,6	94,0	12,4	0,1	5 926	6 697	13,0	771
-Plastic products	2,7	138,8	137,8	-0,7	0,0	20 076	20 757	3,4	681
Glass and non-metallic mineral products	4,8	89,1	89,2	0,1	0,0	19 081	19 908	4,3	827
-Glass and glass products	1,0	112,3	107,5	-4,3	0,0	3 040	3 206	5,5	166
-Non-metallic mineral products	3,8	83,3	84,7	1,7	0,1	16 041	16 703	4,1	662
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,6	91,1	1,7	0,4	131 897	140 643	6,6	8 746
-Basic iron and steel products	7,7	85,9	84,9	-1,2	-0,1	47 232	49 466	4,7	2 234
-Non-ferrous metal products	3,4	96,8	107,4	11,0	0,4	22 389	28 848	28,8	6 459
-Structural metal products	2,0	88,8	88,7	-0,1	0,0	10 483	11 008	5,0	525
-Other fabricated metal products	3,8	101,9	109,5	7,5	0,3	19 485	20 082	3,1	597
-General purpose machinery	2,4	66,7	68,1	2,1	0,0	13 136	13 280	1,1	144
-Special purpose machinery	3,1	92,9	84,2	-9,4	-0,3	14 494	13 221	-8,8	-1 273
-Household appliances	0,6	95,8	96,6	0,8	0,0	4 679	4 738	1,3	59
Electrical machinery	2,5	122,8	126,6	3,1	0,1	18 203	19 167	5,3	964
Radio, television and communication apparatus and professional equipment	1,1	89,2	96,8	8,5	0,1	6 184	6 528	5,6	344
-Radio, television and communication apparatus	0,4	87,3	90,2	3,3	0,0	2 596	2 610	0,5	14
-Professional equipment	0,7	90,4	101,0	11,7	0,1	3 588	3 919	9,2	331
Motor vehicles, parts and accessories and other transport equipment	10,9	93,7	102,1	9,0	0,9	79 116	82 820	4,7	3 704
-Motor vehicles	4,9	81,2	95,1	17,1	0,7	40 059	39 586	-1,2	-473
-Bodies for motor vehicles, trailers and semi-trailers	0,5	114,7	124,4	8,5	0,0	3 566	3 950	10,8	384
-Parts and accessories	4,7	100,9	104,3	3,4	0,2	27 944	31 031	11,0	3 087
-Other transport equipment	0,9	112,0	115,9	3,5	0,0	7 548	8 253	9,3	705
Furniture and other manufacturing division	5,2	91,2	92,2	1,1	0,1	27 515	29 498	7,2	1 983
-Furniture	1,3	83,7	85,8	2,5	0,0	5 341	5 883	10,1	542
-Other manufacturing groups	3,9	93,7	94,3	0,6	0,0	22 174	23 615	6,5	1 441
Total	100,0	97,6	100,0	2,5	2,5	600 175	647 074	7,8	46 899

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 June 2011 was 90,8%. Improved response rate for May 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 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 2011) will be based on a new sample drawn in April 2011. 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	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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