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Key results for September 2010

Table A – Manufacturing production and sales

Estimates	September 2010	% change between September 2009 and September 2010	% change between July to September 2009 and July to September 2010	% change between January to September 2009 and January to September 2010
Physical volume of manufacturing production index (2005=100)	102,2	1,4	4,6	5,9
Total estimated sales of manufactured products (R million)	107 417	3,8	6,1	6,1

Seasonally adjusted estimates	September 2010	% change between August and September 2010	% change between April to June 2010 and July to September 2010
Physical volume of manufacturing production index (2005=100)	98,7	-0,4	-1,5
Total value of sales of manufactured products (R million)	101 795	-0,2	-1,7

Seasonally adjusted manufacturing production decreased by 1,5% in the third quarter of 2010 compared with the second quarter of 2010. Five of the ten manufacturing divisions reported negative growth rates over this period.

The decrease was driven by lower production in the motor vehicles, parts and accessories and other transport equipment division (-11,8% and contributing -1,2 percentage points), the basic iron and steel, non-ferrous metal products, metal products and machinery division (-4,9% and contributing -1,0 percentage point), the furniture and 'other' manufacturing division (-8,5% and contributing -0,4 of a percentage point) and the textiles, clothing, leather and footwear division (-3,8% and contributing -0,2 of a percentage point).

However, these decreases were partially counteracted by increases reported by the wood and wood products, paper, publishing and printing division (4,7% and contributing 0,5 of a percentage point), the food and beverages division (2,4% and contributing 0,4 of a percentage point) and the petroleum, chemical products, rubber and plastic products division (1,6% and contributing 0,4 of a percentage point) (see Table B).

Manufacturing production increased by 1,4% in September 2010 compared with September 2009.

The 1,4% increase for manufacturing production in September 2010 compared with September 2009 was due to higher production in the petroleum, chemical products, rubber and plastic products division (6,8% and contributing 1,6 percentage points), the food and beverages division (4,8% and contributing 0,9 of a percentage point), the wood and wood products, paper, publishing and printing division (8,5% and contributing 0,8 of a percentage point) and the electrical machinery division (4,4% and contributing 0,1 of a percentage point) (see Table 4b).

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

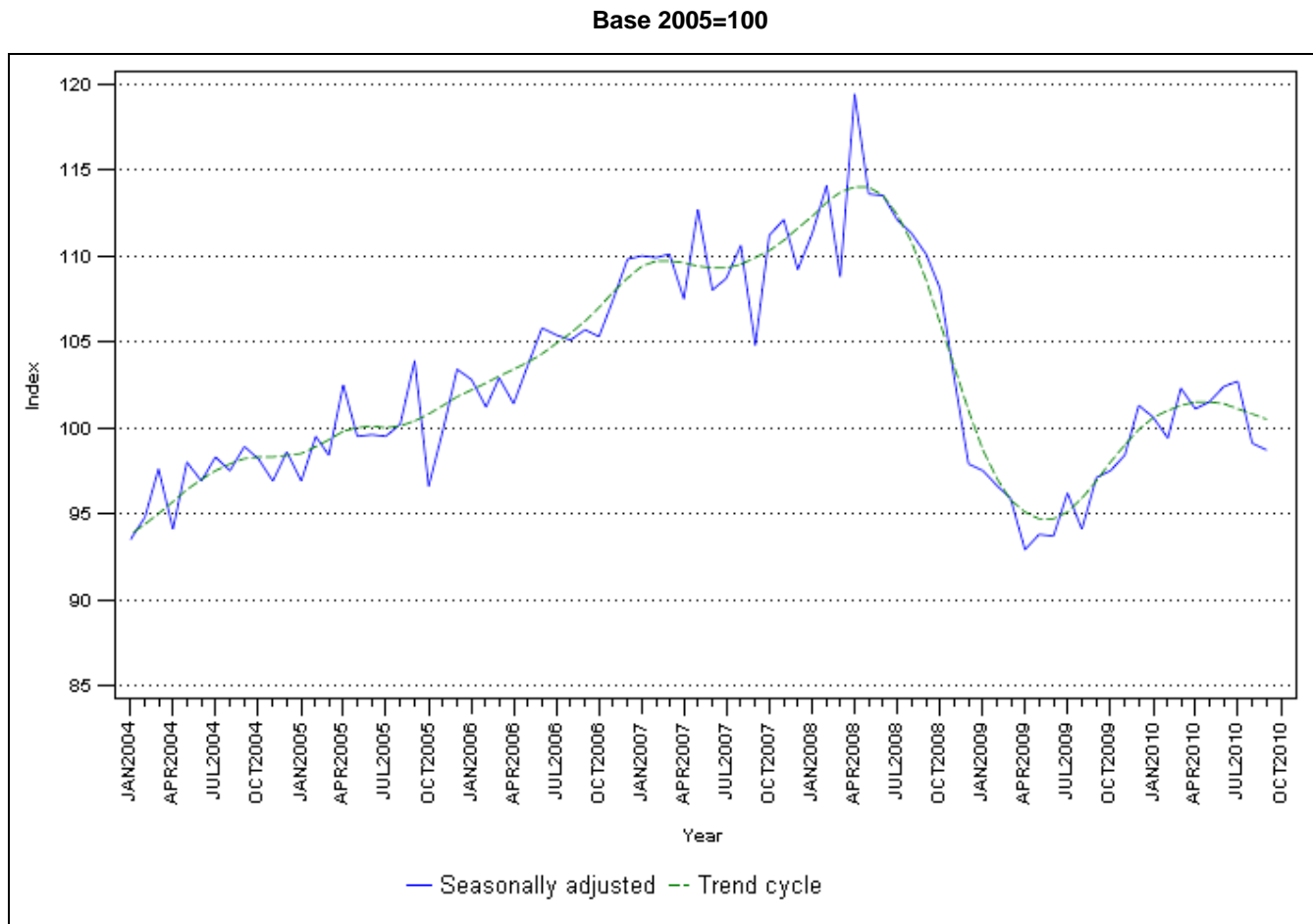
Base 2005=100

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 April to June 2010	Average seasonally adjusted production index for July to September 2010	Quarterly percentage change of July to September 2010 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	114,4	117,1	2,4	0,4
-Meat, fish, fruit, etc.	1,8	110,7	117,7	6,3	0,1
-Dairy products	0,8	109,5	114,6	4,7	0,0
-Grain mill products	0,8	107,7	114,1	5,9	0,1
-Other food products	5,2	116,1	119,9	3,3	0,2
-Beverages	6,8	115,5	115,4	-0,1	0,0
Textiles, clothing, leather and footwear	4,9	85,8	82,5	-3,8	-0,2
-Textiles	1,6	70,5	69,1	-2,0	0,0
-Wearing apparel	2,3	89,3	86,6	-3,0	-0,1
-Leather and leather products	0,6	95,6	87,9	-8,1	0,0
-Footwear	0,4	108,7	102,7	-5,5	0,0
Wood and wood products, paper, publishing and printing	10,2	95,4	99,9	4,7	0,5
-Wood and products of wood	2,0	83,8	87,5	4,4	0,1
-Paper and paper products	3,8	111,8	116,6	4,3	0,2
-Publishing and printing	4,3	86,2	90,9	5,5	0,2
Petroleum, chemical products, rubber and plastic products	22,1	112,8	114,6	1,6	0,4
-Coke, petroleum products and nuclear fuel	8,5	94,1	103,7	10,2	0,8
-Basic chemicals	4,5	131,9	124,3	-5,8	-0,3
-Other chemical products	5,3	117,0	118,4	1,2	0,1
-Rubber products	1,0	83,5	74,8	-10,4	-0,1
-Plastic products	2,7	142,3	139,8	-1,8	-0,1
Glass and non-metallic mineral products	4,8	94,0	96,4	2,6	0,1
-Glass and glass products	1,0	120,4	122,9	2,1	0,0
-Non-metallic mineral products	3,8	87,4	89,7	2,6	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,1	86,6	-4,9	-1,0
-Basic iron and steel products	7,7	83,9	72,0	-14,2	-0,9
-Basic precious, non-ferrous metal products	3,4	98,9	102,4	3,5	0,1
-Fabricated metal products	5,7	101,6	102,3	0,7	0,0
-Machinery and equipment	6,1	85,8	81,4	-5,1	-0,3
Electrical machinery	2,5	128,6	128,5	-0,1	0,0
Radio, television and communication apparatus and professional equipment	1,1	92,7	93,9	1,3	0,0
-Radio, television and communication apparatus	0,4	88,7	85,7	-3,4	0,0
-Professional equipment	0,7	95,2	99,1	4,1	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	97,2	85,7	-11,8	-1,2
-Motor vehicles	4,9	86,2	73,2	-15,1	-0,6
-Bodies for motor vehicles, trailers and semi-trailers	0,5	123,1	114,7	-6,8	0,0
-Parts and accessories	4,7	103,2	87,1	-15,6	-0,7
-Other transport equipment	0,9	112,0	129,1	15,3	0,2
Furniture and other manufacturing division	5,2	96,0	87,8	-8,5	-0,4
-Furniture	1,3	93,3	92,5	-0,9	0,0
-Other manufacturing groups	3,9	97,0	86,2	-11,1	-0,4
Total	100,0	101,7	100,2	-1,5	-1,5

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 shows the seasonally adjusted and trend series for the volume index of manufacturing production between January 2004 and September 2010.

Figure 1 – Index of the physical volume of manufacturing production: 2004 – 2010



Seasonally adjusted sales of manufactured products at current prices decreased by 1,7% (-R5 229 million) in the third quarter of 2010 compared with the second quarter of 2010. Six of the ten manufacturing divisions reported negative growth rates over this period (see Table C).

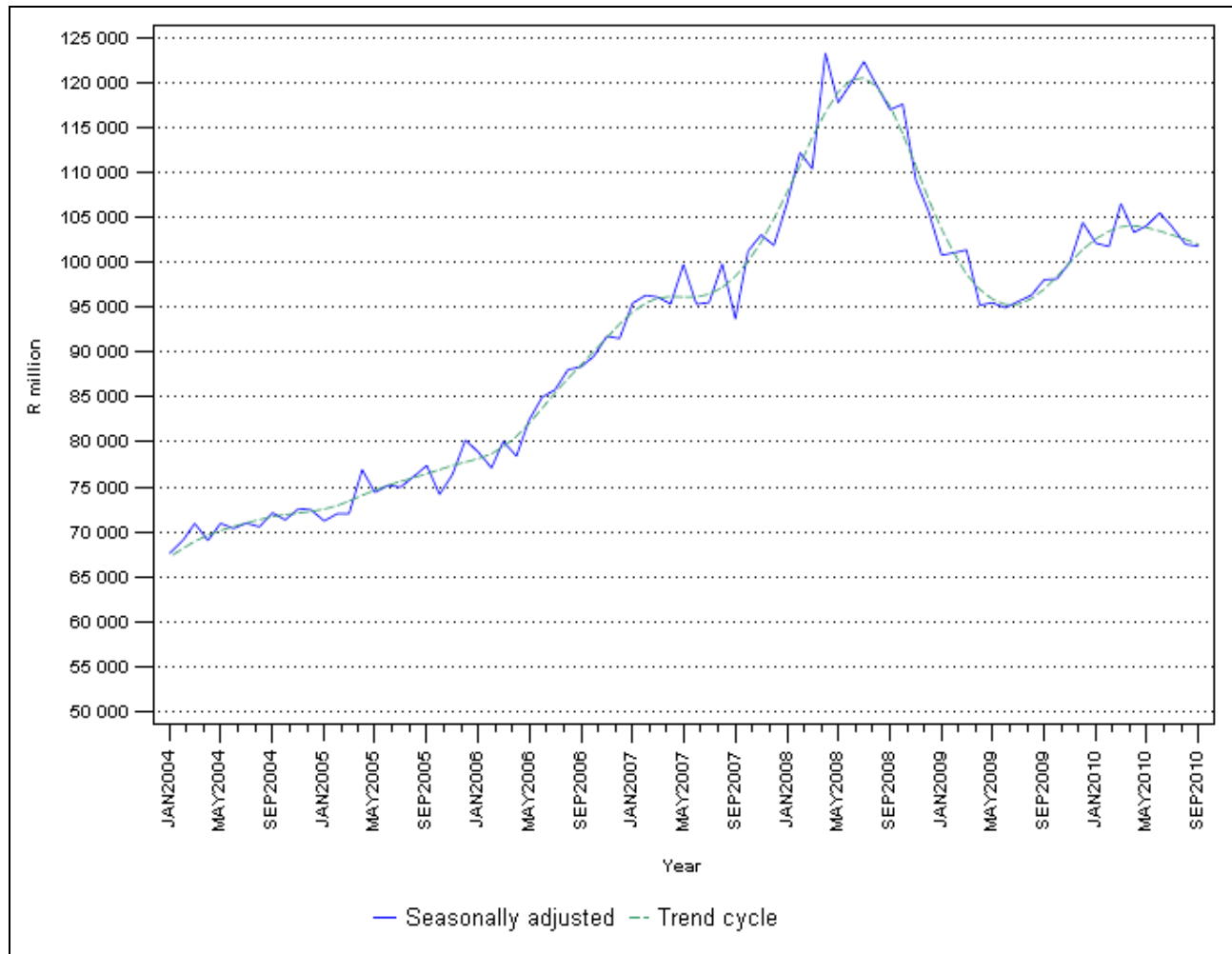
The large decreases reported by the basic iron and steel, non-ferrous metal products, metal products and machinery division (-6,6% or -R4 514 million) and the motor vehicles, parts and accessories and other transport equipment division (-5,9% or -R2 385 million) during the above-mentioned period were mainly responsible for the decrease 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 April to June 2010	Seasonally adjusted sales July to September 2010	Percentage change between April to June 2010 and July to September 2010	Difference in seasonally adjusted sales of manufacturing divisions between April to June and July to September 2010
	R'000	R'000	%	R'000
Food and beverages	60 515 636	62 462 412	3,2	1 946 776
-Food and food products	45 506 374	47 431 462	4,2	1 925 088
-Beverages	15 009 263	15 030 950	0,1	21 687
Textiles, clothing, leather and footwear	9 645 546	9 181 807	-4,8	-463 739
-Textiles	3 857 904	3 651 630	-5,3	-206 274
-Wearing apparel	3 772 941	3 628 793	-3,8	-144 148
-Leather and leather products	1 069 647	972 612	-9,1	-97 035
-Footwear	945 054	928 773	-1,7	-16 281
Wood and wood products, paper, publishing and printing	26 781 908	27 876 461	4,1	1 094 553
-Wood and products of wood	5 541 102	5 684 808	2,6	143 706
-Paper and paper products	12 610 912	13 055 086	3,5	444 174
-Publishing and printing	8 629 893	9 136 567	5,9	506 674
Petroleum, chemical products, rubber and plastic products	70 366 991	70 043 906	-0,5	-323 085
-Coke, petroleum products and nuclear fuel	24 667 326	24 116 452	-2,2	-550 874
-Basic chemicals	14 595 700	15 046 027	3,1	450 327
-Other chemical products	17 507 037	17 528 890	0,1	21 853
-Rubber products	2 992 577	2 888 075	-3,5	-104 502
-Plastic products	10 604 350	10 464 462	-1,3	-139 888
Glass and non-metallic mineral products	10 170 774	10 490 293	3,1	319 519
-Glass and glass products	1 688 791	1 762 999	4,4	74 208
-Non-metallic mineral products	8 481 983	8 727 294	2,9	245 311
Basic iron and steel, non-ferrous metal products, metal products and machinery	68 077 159	63 562 674	-6,6	-4 514 485
-Basic iron and steel products	24 440 012	19 960 916	-18,3	-4 479 096
-Basic precious, non-ferrous metal products	11 712 625	12 186 146	4,0	473 521
-Fabricated metal products	15 462 150	15 414 942	-0,3	-47 208
-Machinery and equipment	16 462 372	16 000 671	-2,8	-461 701
Electrical machinery	9 551 698	9 384 512	-1,8	-167 186
Radio, television and communication apparatus and professional equipment	3 108 668	3 249 392	4,5	140 724
-Radio, television and communication apparatus	1 302 129	1 248 786	-4,1	-53 343
-Professional equipment	1 806 537	2 000 606	10,7	194 069
Motor vehicles, parts and accessories and other transport equipment	40 133 746	37 749 145	-5,9	-2 384 601
-Motor vehicles, trailers, parts and accessories	36 352 594	33 367 859	-8,2	-2 984 735
-Other transport equipment	3 781 152	4 381 287	15,9	600 135
Furniture and other manufacturing division	14 595 674	13 717 985	-6,0	-877 689
-Furniture	3 001 219	3 023 405	0,7	22 186
-Other manufacturing groups	11 594 454	10 694 581	-7,8	-899 873
Total	312 947 799	307 718 587	-1,7	-5 229 212

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2004 and September 2010.

Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2004 – 2010



PJ Lehohla
Statistician-General

Detailed results

Table 1 – Total index of the physical volume of manufacturing production: 2004 – 2010

Base 2005 = 100

Month	2004	2005	2006	2007	2008	2009	2010
Jan	82,6	85,2	89,8	95,3	96,0	83,6	86,3
Feb	91,5	95,5	96,8	104,9	108,5	91,7	94,1
Mar	100,8	101,7	106,3	113,5	111,9	98,5	105,1
Apr	88,9	96,2	95,4	100,8	111,7	87,0	94,6
May	98,7	100,3	104,3	113,2	114,1	94,0	101,7
Jun	97,6	100,1	106,6	109,0	114,9	94,9	103,7
Jul	100,0	100,9	107,4	111,1	115,1	98,9	1/ 105,9
Aug	100,3	103,3	108,8	114,3	114,8	96,7	1/ 101,8
Sep	102,3	107,5	109,7	108,8	114,2	100,8	1/ 102,2
Oct	108,2	106,9	117,0	124,1	121,1	109,2	
Nov	107,5	110,7	119,0	124,2	114,3	108,5	
Dec	87,0	91,4	96,9	96,5	87,9	90,5	
Year	97,1	100,0	104,8	109,6	110,4	96,2	

1/ Preliminary.

Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2004 – 2010 2/

Month	2004	2005	2006	2007	2008	2009	2010
Jan	-1,9	3,1	5,4	6,1	0,7	-12,9	3,2
Feb	-1,2	4,4	1,4	8,4	3,4	-15,5	2,6
Mar	5,0	0,9	4,5	6,8	-1,4	-12,0	6,7
Apr	0,1	8,2	-0,8	5,7	10,8	-22,1	8,7
May	5,2	1,6	4,0	8,5	0,8	-17,6	8,2
Jun	4,5	2,6	6,5	2,3	5,4	-17,4	9,3
Jul	3,6	0,9	6,4	3,4	3,6	-14,1	7,1
Aug	6,8	3,0	5,3	5,1	0,4	-15,8	5,3
Sep	6,5	5,1	2,0	-0,8	5,0	-11,7	1,4
Oct	4,7	-1,2	9,4	6,1	-2,4	-9,8	
Nov	5,8	3,0	7,5	4,4	-8,0	-5,1	
Dec	7,8	5,1	6,0	-0,4	-8,9	3,0	
Year	4,0	3,0	4,8	4,6	0,7	-12,9	

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: 2004 – 2010

Base 2005 = 100

Month	2004	2005	2006	2007	2008	2009	2010
Jan	93,5	96,9	102,8	110,0	111,3	97,5	100,6
Feb	94,8	99,5	101,2	109,9	114,1	96,6	99,4
Mar	97,6	98,4	102,9	110,1	108,8	95,9	102,3
Apr	94,1	102,5	101,4	107,5	119,4	92,9	101,1
May	98,0	99,5	103,6	112,7	113,6	93,8	101,5
Jun	96,9	99,6	105,8	108,0	113,5	93,7	102,4
Jul	98,3	99,5	105,4	108,7	112,1	96,2	102,7
Aug	97,5	100,2	105,1	110,6	111,3	94,1	99,1
Sep	98,9	103,9	105,7	104,8	110,1	97,1	98,7
Oct	98,2	96,6	105,3	111,2	108,1	97,5	
Nov	96,9	99,9	107,5	112,1	102,8	98,4	
Dec	98,6	103,4	109,8	109,2	97,9	101,3	

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 2009	Actual indices			Seasonally adjusted indices		
			September 2009	1/ August 2010	1/ September 2010	September 2009	August 2010	September 2010
Food and beverages	15,4	111,8	119,9	116,0	125,7	114,2	115,6	119,7
-Meat, fish, fruit, etc.	1,8	109,3	114,8	115,7	116,9	114,5	119,1	116,3
-Dairy products	0,8	109,7	114,1	114,6	119,2	110,5	115,6	115,6
-Grain mill products	0,8	108,5	112,1	112,1	119,6	109,5	114,2	116,7
-Other food products	5,2	110,3	124,0	133,2	131,4	112,3	117,1	118,9
-Beverages	6,8	114,2	119,7	103,7	125,2	116,7	113,7	122,0
Textiles, clothing, leather and footwear	4,9	89,5	88,5	83,4	86,5	84,3	81,5	82,5
-Textiles	0,7	73,7	70,5	65,1	66,9	69,3	63,4	66,1
-Other textile products	0,9	78,1	79,4	72,1	72,3	78,4	68,7	71,4
-Knitted, crocheted articles	0,2	104,4	87,2	91,3	92,8	88,0	95,0	94,2
-Wearing apparel	2,1	96,5	90,9	85,8	93,4	85,1	86,3	87,4
-Leather and leather products	0,6	83,6	81,1	87,1	83,7	81,5	86,4	84,1
-Footwear	0,4	107,3	136,6	116,1	115,2	119,5	101,4	100,8
Wood and wood products, paper, publishing and printing	10,2	92,0	96,1	99,3	104,3	91,0	97,3	98,7
-Sawmilling and planing of wood	0,7	73,4	82,4	88,4	87,3	80,2	84,9	85,1
-Products of wood	1,3	88,6	93,6	95,1	94,3	87,3	89,7	87,7
-Paper and paper products	3,8	103,6	111,8	117,2	123,4	104,7	116,8	115,6
-Publishing	1,9	86,8	84,5	78,4	86,6	80,8	79,3	82,6
-Printing, recorded media	2,5	84,8	85,8	92,7	98,2	82,4	88,2	94,3
Petroleum, chemical products, rubber and plastic products	22,1	105,0	104,5	118,2	111,6	105,4	115,1	112,9
-Coke, petroleum products and nuclear fuel	8,5	95,3	82,9	105,6	94,3	93,4	103,1	106,2
-Basic chemicals	4,5	107,9	115,0	133,3	119,2	110,6	126,7	114,5
-Other chemical products	5,3	109,6	113,5	118,0	127,0	108,4	118,3	121,1
-Rubber products	1,0	77,3	80,9	84,4	49,9	78,5	82,0	48,6
-Plastic products	2,7	131,2	145,5	145,4	145,1	138,2	139,4	138,1
Glass and non-metallic mineral products	4,8	96,5	101,9	102,8	102,1	95,7	98,6	95,9
-Glass and glass products	1,0	121,6	119,5	123,8	134,7	112,9	124,1	127,3
-Non-metallic mineral products	3,8	90,2	97,5	97,6	94,0	91,3	92,2	88,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	85,9	92,8	88,4	90,5	88,0	85,6	85,8
-Basic iron and steel products	7,7	72,0	86,2	76,3	74,2	79,2	71,2	68,0
-Non-ferrous metal products	3,4	95,4	98,0	101,5	108,5	96,6	100,8	106,6
-Structural metal products	2,0	96,7	95,5	96,6	100,0	89,8	93,7	94,0
-Other fabricated metal products	3,8	104,5	105,9	107,0	107,4	103,2	106,7	104,6
-General purpose machinery	2,4	73,2	78,2	71,9	74,8	73,2	68,7	70,0
-Special purpose machinery	3,1	88,3	96,7	86,8	93,0	91,8	84,5	87,8
-Household appliances	0,6	96,0	92,7	99,3	106,2	89,5	95,8	102,5
Electrical machinery	2,5	121,2	133,0	137,1	138,8	122,4	131,0	128,3
Radio, television and communication apparatus and professional equipment	1,1	98,7	115,1	95,6	99,2	107,7	94,6	93,0
-Radio, television and communication apparatus	0,4	102,8	134,4	84,3	91,2	126,5	84,8	85,8
-Professional equipment	0,7	96,1	102,9	102,8	104,3	95,8	100,8	97,6
Motor vehicles, parts and accessories and other transport equipment	10,9	79,7	84,2	85,1	76,7	83,2	80,4	76,6
-Motor vehicles	4,9	66,1	60,7	61,9	60,4	64,6	58,5	64,8
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	106,3	125,2	119,4	97,0	117,8	109,1
-Parts and accessories	4,7	82,4	101,4	96,6	79,4	94,3	90,2	73,5
-Other transport equipment	0,9	124,8	109,6	128,5	126,9	117,9	126,4	137,6
Furniture and other manufacturing division	5,2	94,5	100,3	88,9	91,5	92,0	88,1	84,8
-Furniture	1,3	88,8	92,8	92,9	98,3	87,7	91,3	93,1
-Other manufacturing groups	3,9	96,4	102,8	87,5	89,2	93,5	87,0	82,0
Total	100,0	96,2	100,8	101,8	102,2	97,1	99,1	98,7

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 2009	Actual indices			Seasonally adjusted indices		
			September 2009	1/ September 2010	Percentage change between September 2009 and September 2010	August 2010	September 2010	Percentage change between August and September 2010
Food and beverages	15,4	111,8	119,9	125,7	4,8	115,6	119,7	3,5
-Meat, fish, fruit, etc.	1,8	109,3	114,8	116,9	1,8	119,1	116,3	-2,4
-Dairy products	0,8	109,7	114,1	119,2	4,5	115,6	115,6	0,0
-Grain mill products	0,8	108,5	112,1	119,6	6,7	114,2	116,7	2,2
-Other food products	5,2	110,3	124,0	131,4	6,0	117,1	118,9	1,5
-Beverages	6,8	114,2	119,7	125,2	4,6	113,7	122,0	7,3
Textiles, clothing, leather and footwear	4,9	89,5	88,5	86,5	-2,3	81,5	82,5	1,2
-Textiles	0,7	73,7	70,5	66,9	-5,1	63,4	66,1	4,3
-Other textile products	0,9	78,1	79,4	72,3	-8,9	68,7	71,4	3,9
-Knitted, crocheted articles	0,2	104,4	87,2	92,8	6,4	95,0	94,2	-0,8
-Wearing apparel	2,1	96,5	90,9	93,4	2,8	86,3	87,4	1,3
-Leather and leather products	0,6	83,6	81,1	83,7	3,2	86,4	84,1	-2,7
-Footwear	0,4	107,3	136,6	115,2	-15,7	101,4	100,8	-0,6
Wood and wood products, paper, publishing and printing	10,2	92,0	96,1	104,3	8,5	97,3	98,7	1,4
-Sawmilling and planing of wood	0,7	73,4	82,4	87,3	5,9	84,9	85,1	0,2
-Products of wood	1,3	88,6	93,6	94,3	0,7	89,7	87,7	-2,2
-Paper and paper products	3,8	103,6	111,8	123,4	10,4	116,8	115,6	-1,0
-Publishing	1,9	86,8	84,5	86,6	2,5	79,3	82,6	4,2
-Printing, recorded media	2,5	84,8	85,8	98,2	14,5	88,2	94,3	6,9
Petroleum, chemical products, rubber and plastic products	22,1	105,0	104,5	111,6	6,8	115,1	112,9	-1,9
-Coke, petroleum products and nuclear fuel	8,5	95,3	82,9	94,3	13,8	103,1	106,2	3,0
-Basic chemicals	4,5	107,9	115,0	119,2	3,7	126,7	114,5	-9,6
-Other chemical products	5,3	109,6	113,5	127,0	11,9	118,3	121,1	2,4
-Rubber products	1,0	77,3	80,9	49,9	-38,3	82,0	48,6	-40,7
-Plastic products	2,7	131,2	145,5	145,1	-0,3	139,4	138,1	-0,9
Glass and non-metallic mineral products	4,8	96,5	101,9	102,1	0,2	98,6	95,9	-2,7
-Glass and glass products	1,0	121,6	119,5	134,7	12,7	124,1	127,3	2,6
-Non-metallic mineral products	3,8	90,2	97,5	94,0	-3,6	92,2	88,1	-4,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	85,9	92,8	90,5	-2,5	85,6	85,8	0,2
-Basic iron and steel products	7,7	72,0	86,2	74,2	-13,9	71,2	68,0	-4,5
-Non-ferrous metal products	3,4	95,4	98,0	108,5	10,7	100,8	106,6	5,8
-Structural metal products	2,0	96,7	95,5	100,0	4,7	93,7	94,0	0,3
-Other fabricated metal products	3,8	104,5	105,9	107,4	1,4	106,7	104,6	-2,0
-General purpose machinery	2,4	73,2	78,2	74,8	-4,3	68,7	70,0	1,9
-Special purpose machinery	3,1	88,3	96,7	93,0	-3,8	84,5	87,8	3,9
-Household appliances	0,6	96,0	92,7	106,2	14,6	95,8	102,5	7,0
Electrical machinery	2,5	121,2	133,0	138,8	4,4	131,0	128,3	-2,1
Radio, television and communication apparatus and professional equipment	1,1	98,7	115,1	99,2	-13,8	94,6	93,0	-1,7
-Radio, television and communication apparatus	0,4	102,8	134,4	91,2	-32,1	84,8	85,8	1,2
-Professional equipment	0,7	96,1	102,9	104,3	1,4	100,8	97,6	-3,2
Motor vehicles, parts and accessories and other transport equipment	10,9	79,7	84,2	76,7	-8,9	80,4	76,6	-4,7
-Motor vehicles	4,9	66,1	60,7	60,4	-0,5	58,5	64,8	10,8
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	106,3	119,4	12,3	117,8	109,1	-7,4
-Parts and accessories	4,7	82,4	101,4	79,4	-21,7	90,2	73,5	-18,5
-Other transport equipment	0,9	124,8	109,6	126,9	15,8	126,4	137,6	8,9
Furniture and other manufacturing division	5,2	94,5	100,3	91,5	-8,8	88,1	84,8	-3,7
-Furniture	1,3	88,8	92,8	98,3	5,9	91,3	93,1	2,0
-Other manufacturing groups	3,9	96,4	102,8	89,2	-13,2	87,0	82,0	-5,7
Total	100,0	96,2	100,8	102,2	1,4	99,1	98,7	-0,4

1/ Preliminary.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2004 – 2010

Month	2004	2005	2006	2007	2008	2009	2010
Jan	57 132 553	60 063 082	66 484 938	80 538 318	90 120 929	84 819 210	86 164 210
Feb	66 502 495	69 193 109	73 901 384	91 988 434	106 616 455	96 192 926	96 905 945
Mar	72 867 592	73 858 342	82 047 327	98 673 703	112 950 687	103 814 911	109 176 123
Apr	65 221 353	72 381 184	73 494 509	89 107 318	115 062 249	88 797 741	96 353 590
May	71 259 129	74 601 624	82 575 109	100 003 365	118 293 383	95 133 046	103 770 879
Jun	71 125 898	76 071 471	86 293 995	97 130 007	122 894 285	96 891 148	107 804 180
Jul	71 718 015	76 103 755	87 489 215	97 758 776	126 353 845	98 368 052	1/ 107 176 982
Aug	72 358 270	78 533 270	91 130 164	103 286 147	124 293 826	99 412 537	1/ 104 906 227
Sep	75 769 608	81 576 570	93 387 334	98 938 121	123 806 867	103 482 347	1/ 107 417 014
Oct	78 185 765	81 457 255	98 505 874	111 757 950	129 941 379	108 453 282	
Nov	80 545 958	85 122 282	101 894 005	114 304 668	120 894 966	110 596 379	
Dec	65 956 688	72 412 763	81 621 089	90 693 690	94 770 345	94 154 368	
Year	848 643 324	901 374 707	1 018 824 943	1 174 180 497	1 385 999 216	1 180 115 947	

1/ Preliminary.

Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2004 – 2010 2/

Month	2004	2005	2006	2007	2008	2009	2010
Jan	1,1	5,1	10,7	21,1	11,9	-5,9	1,6
Feb	3,2	4,0	6,8	24,5	15,9	-9,8	0,7
Mar	8,8	1,4	11,1	20,3	14,5	-8,1	5,2
Apr	4,2	11,0	1,5	21,2	29,1	-22,8	8,5
May	11,0	4,7	10,7	21,1	18,3	-19,6	9,1
Jun	9,2	7,0	13,4	12,6	26,5	-21,2	11,3
Jul	9,1	6,1	15,0	11,7	29,3	-22,1	9,0
Aug	10,2	8,5	16,0	13,3	20,3	-20,0	5,5
Sep	12,4	7,7	14,5	5,9	25,1	-16,4	3,8
Oct	8,4	4,2	20,9	13,5	16,3	-16,5	
Nov	13,8	5,7	19,7	12,2	5,8	-8,5	
Dec	10,3	9,8	12,7	11,1	4,5	-0,6	
Year	8,6	6,2	13,0	15,2	18,0	-14,9	

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): 2004 – 2010

Month	2004	2005	2006	2007	2008	2009	2010
Jan	67 568 746	71 191 897	78 862 215	95 459 094	106 527 688	100 798 192	102 135 386
Feb	68 978 214	72 009 211	77 100 047	96 323 888	112 219 067	101 077 189	101 767 482
Mar	70 919 544	72 001 765	80 063 232	96 130 590	110 436 112	101 383 329	106 544 629
Apr	69 012 514	76 899 251	78 410 661	95 365 820	123 303 566	95 233 914	103 340 686
May	70 925 117	74 374 276	82 435 331	99 745 773	117 790 520	95 499 919	104 089 510
Jun	70 357 460	75 154 390	84 998 237	95 340 666	119 976 719	94 945 553	105 517 603
Jul	70 946 680	74 965 006	85 785 327	95 525 870	122 352 040	95 643 417	103 911 160
Aug	70 537 872	76 151 148	88 044 820	99 809 279	119 646 910	96 314 437	102 012 304
Sep	72 105 123	77 361 968	88 376 304	93 706 632	117 010 620	98 085 653	101 795 123
Oct	71 309 708	74 159 927	89 524 589	101 251 558	117 624 033	98 144 553	
Nov	72 539 690	76 388 623	91 780 814	103 073 543	109 157 267	100 066 789	
Dec	72 444 258	80 211 786	91 516 767	101 886 570	105 687 927	104 432 533	

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 2009	Actual values			Seasonally adjusted values		
		September 2009	1/ August 2010	1/ September 2010	September 2009	August 2010	September 2010
Food and beverages	239 997 619	20 672 113	20 530 656	21 556 651	20 352 554	20 879 885	21 213 471
-Meat, fish, fruit, etc.	64 578 008	5 517 775	5 737 227	5 872 421	5 468 509	5 838 452	5 822 014
-Dairy products	20 927 661	1 799 169	1 858 135	1 868 620	1 775 783	1 898 473	1 846 496
-Grain mill products	44 238 183	3 676 007	3 445 282	3 684 030	3 614 062	3 485 094	3 609 837
-Other food products	53 020 863	4 673 122	4 820 705	4 769 510	4 563 787	4 624 314	4 652 906
-Beverages	57 232 904	5 006 040	4 669 307	5 362 070	4 930 414	5 033 552	5 282 218
Textiles, clothing, leather and footwear	39 358 324	3 225 985	3 042 896	3 165 675	3 120 922	3 020 441	3 065 533
-Textiles	6 020 147	470 999	472 738	468 979	463 118	459 720	463 283
-Other textile products	9 944 381	818 095	738 224	757 872	822 594	744 225	762 072
-Knitted, crocheted articles	1 820 905	1 121 661	1 26 885	1 31 541	1 25 757	1 33 849	1 36 587
-Wearing apparel	14 398 708	1 147 560	1 059 756	1 133 698	1 089 454	1 060 157	1 079 046
-Leather and leather products	3 569 498	322 454	314 744	334 426	312 379	310 288	322 537
-Footwear	3 604 685	345 216	330 549	339 159	307 621	312 202	302 009
Wood and wood products, paper, publishing and printing	102 039 074	9 150 766	9 305 895	9 839 140	8 541 919	9 138 632	9 180 712
-Sawmilling and planing of wood	6 411 740	566 116	607 463	659 621	534 069	576 532	618 717
-Products of wood	16 025 375	1 445 216	1 416 058	1 397 426	1 325 439	1 331 744	1 275 073
-Paper and paper products	46 059 169	4 325 395	4 341 929	4 759 925	3 951 199	4 354 293	4 354 940
-Publishing	14 886 400	1 225 439	1 188 496	1 221 270	1 190 515	1 183 670	1 184 865
-Printing, recorded media	18 656 390	1 588 600	1 751 949	1 800 898	1 540 697	1 692 393	1 747 117
Petroleum, chemical products, rubber and plastic products	262 540 179	22 938 341	25 027 427	24 374 905	21 687 292	23 523 346	23 028 570
-Coke, petroleum products and nuclear fuel	89 965 147	7 892 639	9 510 048	8 045 312	7 552 582	8 208 460	7 734 792
-Basic chemicals	56 237 245	4 858 052	4 971 726	5 545 103	4 436 609	4 899 469	5 044 976
-Other chemical products	66 512 727	5 714 027	5 885 733	6 297 447	5 444 918	5 869 157	5 986 664
-Rubber products	11 347 042	983 507	1 063 661	814 026	969 586	1 044 566	804 695
-Plastic products	38 478 018	3 490 116	3 596 259	3 673 017	3 283 595	3 501 694	3 457 443
Glass and non-metallic mineral products	40 112 675	3 612 798	3 733 812	3 819 262	3 343 495	3 521 366	3 526 998
-Glass and glass products	6 691 796	596 837	596 904	678 810	536 226	590 504	610 258
-Non-metallic mineral products	33 420 879	3 015 961	3 136 908	3 140 452	2 807 269	2 930 862	2 916 740
Basic iron and steel, non-ferrous metal products, metal products and machinery	249 364 417	22 739 786	21 580 821	23 661 877	20 780 544	20 627 755	21 530 531
-Basic iron and steel products	77 590 894	7 649 032	6 944 158	7 748 548	6 662 173	6 342 250	6 695 355
-Non-ferrous metal products	42 550 609	3 871 430	4 005 501	4 798 338	3 502 688	3 945 840	4 328 236
-Structural metal products	23 111 172	1 843 657	1 908 488	1 961 753	1 730 988	1 817 034	1 848 487
-Other fabricated metal products	40 036 447	3 481 915	3 389 345	3 455 372	3 298 996	3 298 154	3 273 715
-General purpose machinery	28 209 259	2 501 460	2 309 860	2 446 638	2 330 092	2 202 672	2 274 088
-Special purpose machinery	28 423 653	2 608 850	2 226 521	2 386 173	2 487 910	2 227 140	2 264 256
-Household appliances	9 442 383	783 442	796 948	865 055	767 697	794 664	846 394
-Electrical machinery	35 326 612	3 180 342	3 236 234	3 324 185	2 916 698	3 136 258	3 067 800
Radio, television and communication apparatus and professional equipment	13 518 475	1 250 959	1 102 356	1 130 056	1 157 671	1 063 098	1 052 318
-Radio, television and communication apparatus	6 041 590	618 096	430 031	442 766	564 286	414 574	404 958
-Professional equipment	7 476 885	632 863	672 325	687 290	593 385	648 524	647 360
Motor vehicles, parts and accessories and other transport equipment	142 178 315	11 768 603	12 614 827	11 809 379	11 524 738	12 447 175	11 636 047
-Motor vehicles	69 665 442	5 603 677	6 062 426	5 639 679	5 511 551	6 182 764	5 574 795
-Bodies for motor vehicles, trailers and semi-trailers	6 889 529	592 827	674 253	628 460	546 060	622 800	580 227
-Parts and accessories	48 904 780	4 347 744	4 406 971	4 086 196	4 160 899	4 216 140	3 917 448
-Other transport equipment	16 718 564	1 224 355	1 471 177	1 455 044	1 306 228	1 425 472	1 563 577
Furniture and other manufacturing division	55 680 257	4 942 654	4 731 303	4 735 884	4 659 820	4 654 348	4 493 144
-Furniture	11 262 810	980 470	1 023 809	1 066 227	925 840	1 010 170	1 010 213
-Other manufacturing groups	44 417 447	3 962 184	3 707 494	3 669 657	3 733 979	3 644 178	3 482 931
Total	1 180 115 947	103 482 347	104 906 227	107 417 014	98 085 653	102 012 304	101 795 123

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 2009	Actual values			Seasonally adjusted values		
		September 2009	1/ September 2010	Percentage change between September 2009 and September 2010	August 2010	September 2010	Percentage change between August and September 2010
Food and beverages	239 997 619	20 672 113	21 556 651	4,3	20 879 885	21 213 471	1,6
-Meat, fish, fruit, etc.	64 578 008	5 517 775	5 872 421	6,4	5 838 452	5 822 014	-0,3
-Dairy products	20 927 661	1 799 169	1 868 620	3,9	1 898 473	1 846 496	-2,7
-Grain mill products	44 238 183	3 676 007	3 684 030	0,2	3 485 094	3 609 837	3,6
-Other food products	53 020 863	4 673 122	4 769 510	2,1	4 624 314	4 652 906	0,6
-Beverages	57 232 904	5 006 040	5 362 070	7,1	5 033 552	5 282 218	4,9
Textiles, clothing, leather and footwear	39 358 324	3 225 985	3 165 675	-1,9	3 020 441	3 065 533	1,5
-Textiles	6 020 147	470 999	468 979	-0,4	459 720	463 283	0,8
-Other textile products	9 944 381	818 095	757 872	-7,4	744 225	762 072	2,4
-Knitted, crocheted articles	1 820 905	121 661	131 541	8,1	133 849	136 587	2,0
-Wearing apparel	14 398 708	1 147 560	1 133 698	-1,2	1 060 157	1 079 046	1,8
-Leather and leather products	3 569 498	322 454	334 426	3,7	310 288	322 537	3,9
-Footwear	3 604 685	345 216	339 159	-1,8	312 202	302 009	-3,3
Wood and wood products, paper, publishing and printing	102 039 074	9 150 766	9 839 140	7,5	9 138 632	9 180 712	0,5
-Sawmilling and planing of wood	6 411 740	566 116	659 621	16,5	576 532	618 717	7,3
-Products of wood	16 025 375	1 445 216	1 397 426	-3,3	1 331 744	1 275 073	-4,3
-Paper and paper products	46 059 169	4 325 395	4 759 925	10,0	4 354 293	4 354 940	0,0
-Publishing	14 886 400	1 225 439	1 221 270	-0,3	1 183 670	1 184 865	0,1
-Printing, recorded media	18 656 390	1 588 600	1 800 898	13,4	1 692 393	1 747 117	3,2
Petroleum, chemical products, rubber and plastic products	262 540 179	22 938 341	24 374 905	6,3	23 523 346	23 028 570	-2,1
-Coke, petroleum products and nuclear fuel	89 965 147	7 892 639	8 045 312	1,9	8 208 460	7 734 792	-5,8
-Basic chemicals	56 237 245	4 858 052	5 545 103	14,1	4 899 469	5 044 976	3,0
-Other chemical products	66 512 727	5 714 027	6 297 447	10,2	5 869 157	5 986 664	2,0
-Rubber products	11 347 042	983 507	814 026	-17,2	1 044 566	804 695	-23,0
-Plastic products	38 478 018	3 490 116	3 673 017	5,2	3 501 694	3 457 443	-1,3
Glass and non-metallic mineral products	40 112 675	3 612 798	3 819 262	5,7	3 521 366	3 526 998	0,2
-Glass and glass products	6 691 796	596 837	678 810	13,7	590 504	610 258	3,3
-Non-metallic mineral products	33 420 879	3 015 961	3 140 452	4,1	2 930 862	2 916 740	-0,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	249 364 417	22 739 786	23 661 877	4,1	20 627 755	21 530 531	4,4
-Basic iron and steel products	77 590 894	7 649 032	7 748 548	1,3	6 342 250	6 695 355	5,6
-Non-ferrous metal products	42 550 609	3 871 430	4 798 338	23,9	3 945 840	4 328 236	9,7
-Structural metal products	23 111 172	1 843 657	1 961 753	6,4	1 817 034	1 848 487	1,7
-Other fabricated metal products	40 036 447	3 481 915	3 455 372	-0,8	3 298 154	3 273 715	-0,7
-General purpose machinery	28 209 259	2 501 460	2 446 638	-2,2	2 202 672	2 274 088	3,2
-Special purpose machinery	28 423 653	2 608 850	2 386 173	-8,5	2 227 140	2 264 256	1,7
-Household appliances	9 442 383	783 442	865 055	10,4	794 664	846 394	6,5
Electrical machinery	35 326 612	3 180 342	3 324 185	4,5	3 136 258	3 067 800	-2,2
Radio, television and communication apparatus and professional equipment	13 518 475	1 250 959	1 130 056	-9,7	1 063 098	1 052 318	-1,0
-Radio, television and communication apparatus	6 041 590	618 096	442 766	-28,4	414 574	404 958	-2,3
-Professional equipment	7 476 885	632 863	687 290	8,6	648 524	647 360	-0,2
Motor vehicles, parts and accessories and other transport equipment	142 178 315	11 768 603	11 809 379	0,3	12 447 175	11 636 047	-6,5
-Motor vehicles	69 665 442	5 603 677	5 639 679	0,6	6 182 764	5 574 795	-9,8
-Bodies for motor vehicles, trailers and semi-trailers	6 889 529	592 827	628 460	6,0	622 800	580 227	-6,8
-Parts and accessories	48 904 780	4 347 744	4 086 196	-6,0	4 216 140	3 917 448	-7,1
-Other transport equipment	16 718 564	1 224 355	1 455 044	18,8	1 425 472	1 563 577	9,7
Furniture and other manufacturing division	55 680 257	4 942 654	4 735 884	-4,2	4 654 348	4 493 144	-3,5
-Furniture	11 262 810	980 470	1 066 227	8,7	1 010 170	1 010 213	0,0
-Other manufacturing groups	44 417 447	3 962 184	3 669 657	-7,4	3 644 178	3 482 931	-4,4
Total	1 180 115 947	103 482 347	107 417 014	3,8	102 012 304	101 795 123	-0,2

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	Production indices (base 2005=100)			Value of sales (R'000)		
		Jul. to Sep. 2009	Jul. to Sep. 2010	Annual percentage change between Jul. to Sep. 2009 and Jul. to Sep. 2010	Jul. to Sep. 2009	Jul. to Sep. 2010	Annual percentage change between Jul. to Sep. 2009 and Jul. to Sep. 2010
Food and beverages	15,4	114,9	118,5	3,1	59 603 969	61 998 144	4,0
-Meat, fish, fruit, etc.	1,8	108,0	115,8	7,2	15 903 216	17 257 808	8,5
-Dairy products	0,8	109,8	113,0	2,9	5 210 472	5 570 677	6,9
-Grain mill products	0,8	109,7	115,1	4,9	11 035 995	10 619 106	-3,8
-Other food products	5,2	126,7	132,6	4,7	13 675 804	14 239 595	4,1
-Beverages	6,8	109,0	109,7	0,6	13 778 482	14 310 958	3,9
Textiles, clothing, leather and footwear	4,9	89,3	84,7	-5,2	9 797 588	9 315 552	-4,9
-Textiles	0,7	68,7	67,6	-1,6	1 471 176	1 396 343	-5,1
-Other textile products	0,9	79,8	72,6	-9,0	2 481 720	2 287 193	-7,8
-Knitted, crocheted articles	0,2	97,6	93,5	-4,2	414 016	400 604	-3,2
-Wearing apparel	2,1	94,0	87,8	-6,6	3 542 237	3 256 773	-8,1
-Leather and leather products	0,6	83,7	88,1	5,3	924 074	986 919	6,8
-Footwear	0,4	123,5	114,1	-7,6	964 365	987 720	2,4
Wood and wood products, paper, publishing and printing	10,2	92,1	102,3	11,1	25 744 345	28 668 879	11,4
-Sawmilling and planing of wood	0,7	79,7	88,9	11,5	1 726 848	1 886 899	9,3
-Products of wood	1,3	88,8	93,5	5,3	4 080 776	4 129 756	1,2
-Paper and paper products	3,8	103,3	118,9	15,1	11 564 879	13 412 345	16,0
-Publishing	1,9	83,4	81,4	-2,4	3 633 314	3 571 625	-1,7
-Printing, recorded media	2,5	86,5	100,7	16,4	4 738 528	5 668 254	19,6
Petroleum, chemical products, rubber and plastic products	22,1	105,7	117,0	10,7	68 732 251	74 295 944	8,1
-Coke, petroleum products and nuclear fuel	8,5	90,5	103,1	13,9	25 481 410	26 734 101	4,9
-Basic chemicals	4,5	112,8	130,4	15,6	13 569 637	15 836 212	16,7
-Other chemical products	5,3	110,9	120,5	8,7	16 689 428	17 897 439	7,2
-Rubber products	1,0	79,0	78,0	-1,3	2 887 780	2 991 203	3,6
-Plastic products	2,7	140,8	145,7	3,5	10 103 996	10 836 989	7,3
Glass and non-metallic mineral products	4,8	101,5	101,1	-0,4	10 622 892	11 201 869	5,5
-Glass and glass products	1,0	120,1	123,0	2,4	1 659 057	1 803 668	8,7
-Non-metallic mineral products	3,8	96,8	95,6	-1,2	8 963 835	9 398 201	4,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,8	90,4	0,7	65 359 416	67 797 436	3,7
-Basic iron and steel products	7,7	80,0	76,7	-4,1	21 680 651	22 056 215	1,7
-Non-ferrous metal products	3,4	97,7	103,9	6,3	10 628 588	12 841 272	20,8
-Structural metal products	2,0	98,4	98,8	0,4	5 797 145	5 831 091	0,6
-Other fabricated metal products	3,8	105,9	111,9	5,7	10 430 713	10 608 005	1,7
-General purpose machinery	2,4	75,6	73,2	-3,2	7 206 095	7 092 625	-1,6
-Special purpose machinery	3,1	89,7	88,8	-1,0	7 201 284	6 881 978	-4,4
-Household appliances	0,6	97,5	102,3	4,9	2 414 940	2 486 250	3,0
Electrical machinery	2,5	128,8	136,1	5,7	9 223 138	9 957 460	8,0
Radio, television and communication apparatus and professional equipment	1,1	107,2	98,4	-8,2	3 627 428	3 382 518	-6,8
-Radio, television and communication apparatus	0,4	112,7	89,0	-21,0	1 655 651	1 309 660	-20,9
-Professional equipment	0,7	103,8	104,3	0,5	1 971 777	2 072 858	5,1
Motor vehicles, parts and accessories and other transport equipment	10,9	84,9	90,2	6,2	34 420 448	38 747 020	12,6
-Motor vehicles	4,9	65,7	76,6	16,6	15 955 160	18 857 164	18,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	110,1	122,3	11,1	1 856 000	1 979 291	6,6
-Parts and accessories	4,7	95,6	94,2	-1,5	12 621 609	13 593 767	7,7
-Other transport equipment	0,9	119,2	125,4	5,2	3 987 679	4 316 798	8,3
Furniture and other manufacturing division	5,2	94,2	90,8	-3,6	14 131 461	14 135 401	0,0
-Furniture	1,3	90,3	96,6	7,0	2 864 798	3 140 188	9,6
-Other manufacturing groups	3,9	95,6	88,8	-7,1	11 266 663	10 995 213	-2,4
Total	100,0	98,8	103,3	4,6	301 262 936	319 500 223	6,1

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

Manufacturing divisions and major groups	Weights	Indices (base 2005=100)				Value of sales (R million)			
		Jan. to Sep. 2009	Jan. to Sep. 2010	Annual percentage change between 2009 and 2010	Contribution (percentage points)	Jan. to Sep. 2009	Jan. to Sep. 2010	Annual percentage change between 2009 and 2010	Difference in sales between 2009 and 2010
Food and beverages	15,4	107,2	111,2	3,7	0,7	172 667	177 537	2,8	4 870
-Meat, fish, fruit, etc.	1,8	106,1	112,3	5,8	0,1	46 735	49 057	5,0	2 322
-Dairy products	0,8	105,4	106,8	1,3	0,0	15 096	15 723	4,2	627
-Grain mill products	0,8	106,8	109,7	2,7	0,0	32 987	30 752	-6,8	-2 235
-Other food products	5,2	108,5	113,3	4,4	0,3	38 389	39 827	3,7	1 438
-Beverages	6,8	106,8	109,9	2,9	0,2	39 460	42 178	6,9	2 718
Textiles, clothing, leather and footwear	4,9	88,5	83,3	-5,9	-0,3	29 178	27 695	-5,1	-1 483
-Textiles	0,7	76,4	67,9	-11,1	-0,1	4 657	4 182	-10,2	-475
-Other textile products	0,9	77,7	72,6	-6,6	0,0	7 393	7 021	-5,0	-372
-Knitted, crocheted articles	0,2	105,5	106,3	0,8	0,0	1 375	1 379	0,3	4
-Wearing apparel	2,1	94,9	85,1	-10,3	-0,2	10 640	9 474	-11,0	-1 166
-Leather and leather products	0,6	80,8	89,9	11,3	0,1	2 606	3 014	15,7	408
-Footwear	0,4	104,6	103,4	-1,1	0,0	2 507	2 625	4,7	118
Wood and wood products, paper, publishing and printing	10,2	91,5	94,8	3,6	0,4	75 959	79 622	4,8	3 663
-Sawmilling and planing of wood	0,7	74,7	84,1	12,6	0,1	4 777	5 324	11,5	547
-Products of wood	1,3	88,4	86,0	-2,7	0,0	12 045	11 500	-4,5	-545
-Paper and paper products	3,8	103,2	111,9	8,4	0,4	34 435	37 392	8,6	2 957
-Publishing	1,9	87,4	79,8	-8,7	-0,2	11 158	10 602	-5,0	-556
-Printing, recorded media	2,5	82,9	87,4	5,4	0,1	13 543	14 805	9,3	1 262
Petroleum, chemical products, rubber and plastic products	22,1	102,6	111,1	8,3	2,0	193 205	207 602	7,5	14 397
-Coke, petroleum products and nuclear fuel	8,5	93,3	95,1	1,9	0,2	66 571	73 385	10,2	6 814
-Basic chemicals	4,5	105,2	124,3	18,2	0,9	41 739	43 704	4,7	1 965
-Other chemical products	5,3	107,5	115,6	7,5	0,5	48 438	50 683	4,6	2 245
-Rubber products	1,0	78,1	81,7	4,6	0,0	8 490	8 918	5,0	428
-Plastic products	2,7	127,0	141,1	11,1	0,4	27 967	30 913	10,5	2 946
Glass and non-metallic mineral products	4,8	96,0	93,1	-3,0	-0,1	29 657	30 283	2,1	626
-Glass and glass products	1,0	116,3	115,8	-0,4	0,0	4 667	4 844	3,8	177
-Non-metallic mineral products	3,8	90,9	87,4	-3,9	-0,1	24 990	25 439	1,8	449
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	84,2	89,9	6,8	1,4	185 989	199 695	7,4	13 706
-Basic iron and steel products	7,7	66,7	82,8	24,1	1,3	57 729	69 288	20,0	11 559
-Non-ferrous metal products	3,4	94,7	99,2	4,8	0,2	31 530	35 230	11,7	3 700
-Structural metal products	2,0	98,3	92,1	-6,3	-0,1	17 572	16 314	-7,2	-1 258
-Other fabricated metal products	3,8	105,7	105,2	-0,5	0,0	30 091	30 093	0,0	2
-General purpose machinery	2,4	72,4	68,9	-4,8	-0,1	20 851	20 228	-3,0	-623
-Special purpose machinery	3,1	87,0	91,5	5,2	0,1	21 115	21 376	1,2	261
-Household appliances	0,6	97,3	98,0	0,7	0,0	7 102	7 165	0,9	63
Electrical machinery	2,5	121,7	127,2	4,5	0,1	26 616	28 161	5,8	1 545
Radio, television and communication apparatus and professional equipment	1,1	98,7	92,3	-6,5	-0,1	10 130	9 567	-5,6	-563
-Radio, television and communication apparatus	0,4	103,4	87,9	-15,0	-0,1	4 526	3 905	-13,7	-621
-Professional equipment	0,7	95,7	95,0	-0,7	0,0	5 604	5 661	1,0	57
Motor vehicles, parts and accessories and other transport equipment	10,9	76,8	92,5	20,4	1,8	103 261	117 863	14,1	14 602
-Motor vehicles	4,9	63,9	79,6	24,6	0,8	49 919	58 916	18,0	8 997
-Bodies for motor vehicles, trailers and semi-trailers	0,5	102,2	117,2	14,7	0,1	5 104	5 545	8,6	441
-Parts and accessories	4,7	78,3	98,7	26,1	1,0	35 827	41 537	15,9	5 710
-Other transport equipment	0,9	123,4	116,5	-5,6	-0,1	12 412	11 865	-4,4	-547
Furniture and other manufacturing division	5,2	92,0	91,0	-1,1	-0,1	40 250	41 650	3,5	1 400
-Furniture	1,3	85,0	88,0	3,5	0,0	8 036	8 481	5,5	445
-Other manufacturing groups	3,9	94,3	92,1	-2,3	-0,1	32 214	33 169	3,0	955
Total	100,0	94,0	99,5	5,9	5,9	866 912	919 675	6,1	52 763

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 upgrading its BR, based on units registered for value added tax (VAT) and income tax (IT), obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate indices of the physical volume of manufacturing production. These indices provide an indicator of the real level of manufacturing activity in the economy. They are used in monitoring the state of the economy and formulation of economic policy. They are also important inputs to estimation of the gross domestic product (GDP).
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
 - the manufacturing, processing, making or packing of products;
 - the slaughtering of animals, including poultry; and
 - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of all Economic Activities (SIC)*, Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities (ISIC)* with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
- Response rate**
- 9 The preliminary response rate for the survey on manufacturing production and sales for September 2010 was 91,6%. Improved response rate for August 2010 was 93,9%.
- 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 2010, 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 2010).

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 - 2010
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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Enquiries

Telephone number:	(012) 310 8249 (technical enquiries) (012) 310 8358 (orders) (012) 310 4883/4885/8018 (library)
Fax number:	(012) 310 8664 (technical enquiries)
Email address:	GerdaB@statssa.gov.za (technical enquiries) info@statssa.gov.za (user information services) magdaj@statssa.gov.za (orders)
Postal address:	Private Bag X44, Pretoria, 0001

Produced by Stats SA