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email: info@statssa.gov.za
www.statssa.gov.za

170 Andries Street • Private Bag X44, 0001 Pretoria, South Africa
Tel: +27(12) 310 8911, Fax: +27(12) 321 7381

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Key figures for November 2010

Table A – Manufacturing production and sales

Estimates	November 2010	% change between November 2009 and November 2010	% change between September to November 2009 and September to November 2010	% change between January to November 2009 and January to November 2010
Physical volume of manufacturing production index (2005=100)	113,5	4,6	2,7	5,4
Total estimated sales of manufactured products (R million)	119 345	7,9	6,0	6,3

Seasonally adjusted estimates	November 2010	% change between October and November 2010	% change between June to August 2010 and September to November 2010
Physical volume of manufacturing production index (2005=100)	102,0	2,5	-1,6
Total value of sales of manufactured products (R million)	107 619	3,3	0,4

Manufacturing production increased by 4,6% in November 2010 compared with November 2009.

Manufacturing production rose by 4,6% year-on-year in November 2010. This increase was driven mainly by higher production in the motor vehicles, parts and accessories and other transport equipment division (30,2% and contributing 3,0 percentage points), the petroleum, chemical products, rubber and plastic products division (4,4% and contributing 1,0 percentage point), the wood and wood products, paper, publishing and printing division (7,6% and contributing 0,7 of a percentage point) and the food and beverages division (2,2% and contributing 0,4 of a percentage point) (see Table 4b).

Seasonally adjusted manufacturing production for the three months ended November 2010 decreased by 1,6% compared with the previous three months ended August 2010. Seven of the ten manufacturing divisions reported negative growth rates over this period.

The decrease was driven mainly by lower production in the petroleum, chemical products, rubber and plastic products division (-4,7% and contributing -1,2 percentage points), basic iron and steel, non-ferrous metal products, metal products and machinery division (-1,9% and contributing -0,4 of a percentage point) and the wood and wood products, paper, publishing and printing division (-3,3% and contributing -0,3 of a percentage point).

However, the motor vehicles, parts and accessories and other transport equipment division and the food and beverages division reported increases of 4,2% and 1,6% (contributing 0,4 and 0,3 of a percentage point) respectively during the above-mentioned period (see Table B).

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

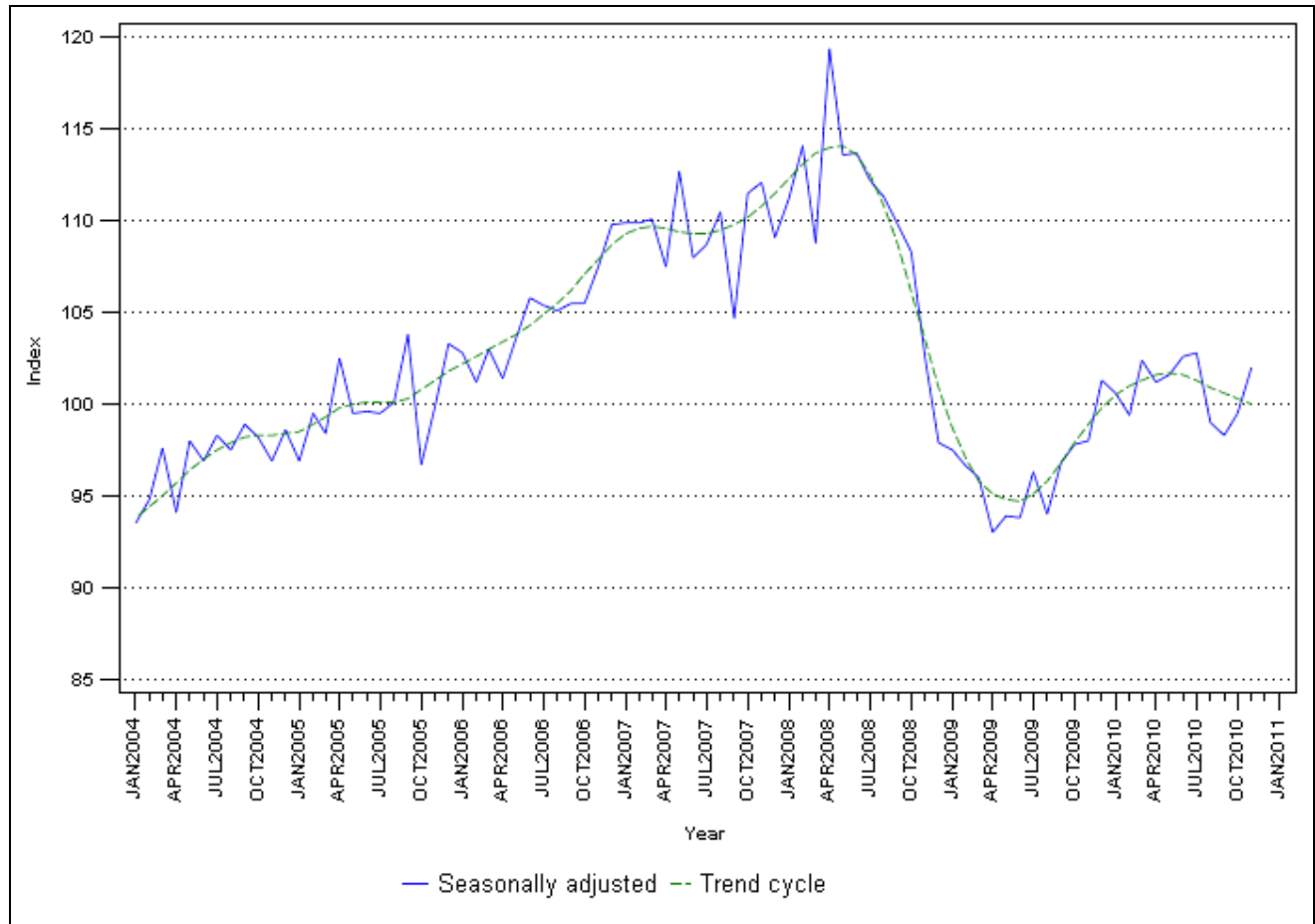
Base 2005=100

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 June to August 2010	Average seasonally adjusted production index for September to November 2010	Percentage change of September to November 2010 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted three-monthly percentage change in total manufacturing production 1/
Food and beverages	15,4	116,4	118,3	1,6	0,3
-Meat, fish, fruit, etc.	1,8	117,2	116,5	-0,6	0,0
-Dairy products	0,8	113,0	113,9	0,8	0,0
-Grain mill products	0,8	112,4	113,5	1,0	0,0
-Other food products	5,2	120,4	116,7	-3,1	-0,2
-Beverages	6,8	114,0	121,0	6,1	0,5
Textiles, clothing, leather and footwear	4,9	83,6	82,1	-1,8	-0,1
-Textiles	1,6	68,6	68,8	0,3	0,0
-Wearing apparel	2,3	87,9	86,9	-1,1	0,0
-Leather and leather products	0,6	91,0	82,1	-9,8	-0,1
-Footwear	0,4	104,6	106,9	2,2	0,0
Wood and wood products, paper, publishing and printing	10,2	99,4	96,1	-3,3	-0,3
-Wood and products of wood	2,0	85,8	85,9	0,1	0,0
-Paper and paper products	3,8	117,0	111,7	-4,5	-0,2
-Publishing and printing	4,3	90,1	86,9	-3,6	-0,1
Petroleum, chemical products, rubber and plastic products	22,1	115,3	109,9	-4,7	-1,2
-Coke, petroleum products and nuclear fuel	8,5	100,5	94,0	-6,5	-0,5
-Basic chemicals	4,5	132,7	119,0	-10,3	-0,6
-Other chemical products	5,3	116,7	117,5	0,7	0,0
-Rubber products	1,0	86,3	76,8	-11,0	-0,1
-Plastic products	2,7	140,2	141,5	0,9	0,0
Glass and non-metallic mineral products	4,8	96,5	93,4	-3,2	-0,1
-Glass and glass products	1,0	122,3	122,4	0,1	0,0
-Non-metallic mineral products	3,8	90,0	86,1	-4,3	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	88,1	86,4	-1,9	-0,4
-Basic iron and steel products	7,7	76,9	71,8	-6,6	-0,4
-Basic precious, non-ferrous metal products	3,4	99,8	103,3	3,5	0,1
-Fabricated metal products	5,7	101,9	102,1	0,2	0,0
-Machinery and equipment	6,1	82,7	80,3	-2,9	-0,1
Electrical machinery	2,5	127,8	126,6	-0,9	0,0
Radio, television and communication apparatus and professional equipment	1,1	93,5	94,1	0,6	0,0
-Radio, television and communication apparatus	0,4	86,4	86,1	-0,3	0,0
-Professional equipment	0,7	98,1	99,2	1,1	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	93,1	97,0	4,2	0,4
-Motor vehicles	4,9	81,6	87,9	7,7	0,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	123,3	114,1	-7,5	0,0
-Parts and accessories	4,7	96,4	96,6	0,2	0,0
-Other transport equipment	0,9	122,0	137,0	12,3	0,1
Furniture and other manufacturing division	5,2	89,4	88,0	-1,6	-0,1
-Furniture	1,3	92,6	90,9	-1,8	0,0
-Other manufacturing groups	3,9	88,3	86,9	-1,6	-0,1
Total	100,0	101,5	99,9	-1,6	-1,6

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: 2004 – 2010

Base 2005=100



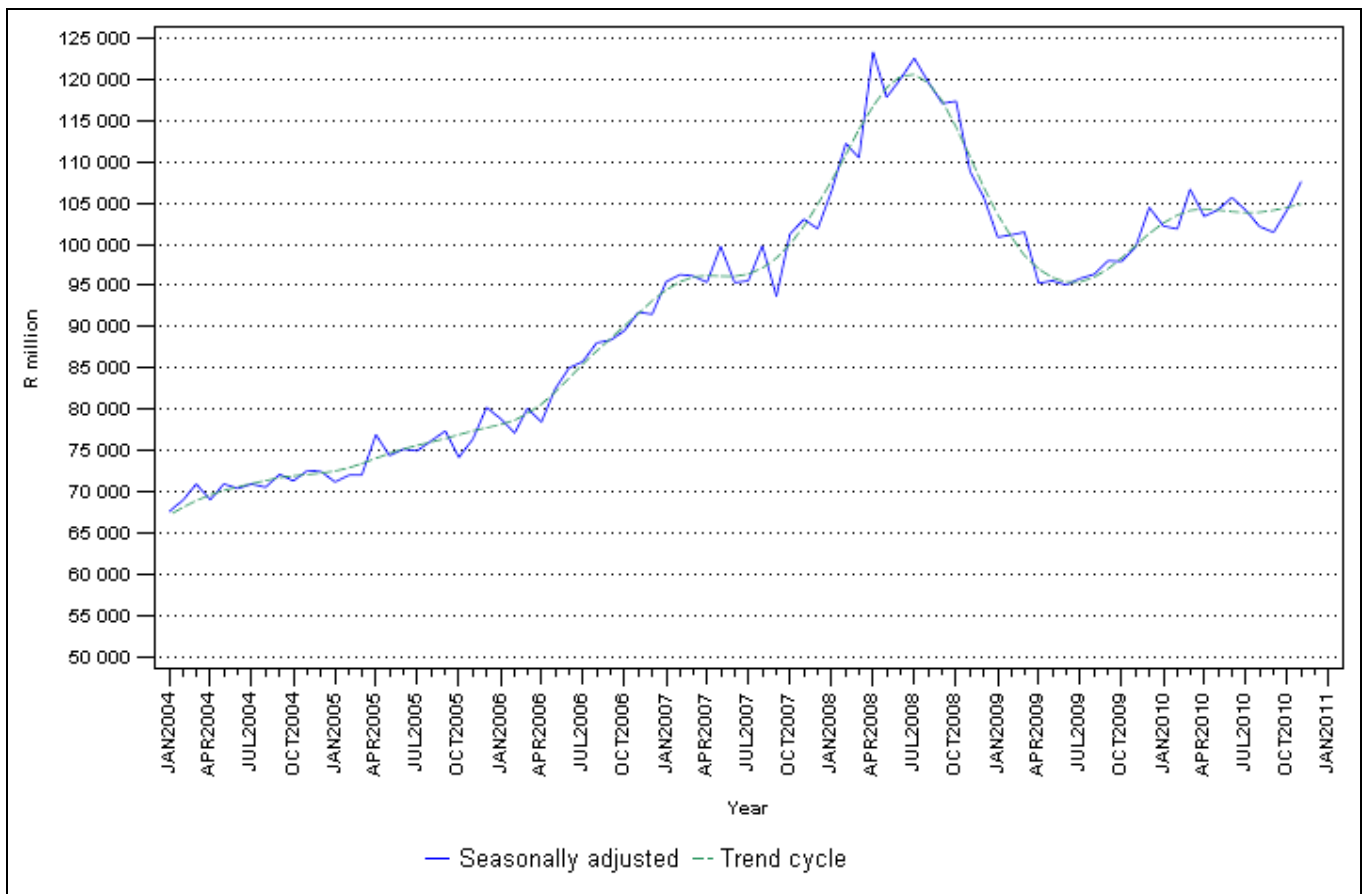
Seasonally adjusted sales of manufactured products at current prices increased by 0,4% (R1 229 million) for the three months ended November 2010 compared with the previous three months ended August 2010. Three of the ten manufacturing divisions reported positive growth rates over this period (see Table C).

The large increases reported by the basic iron and steel, non-ferrous metal products, metal products and machinery division (3,0% or R1 958 million) and the motor vehicles, parts and accessories and other transport equipment division (3,8% or R1 497 million) during the above-mentioned period were 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 June to August 2010	Seasonally adjusted sales September to November 2010	Percentage change between June to August 2010 and September to November 2010	Difference in seasonally adjusted sales of manufacturing divisions between June to August 2010 and September to November 2010
	R'000	R'000	%	R'000
Food and beverages	62 026 024	62 710 620	1,1	684 596
-Food and food products	47 069 267	46 880 690	-0,4	-188 577
-Beverages	14 956 756	15 829 930	5,8	873 174
Textiles, clothing, leather and footwear	9 263 870	9 151 823	-1,2	-112 047
-Textiles	3 657 986	3 646 392	-0,3	-11 594
-Wearing apparel	3 665 294	3 616 085	-1,3	-49 209
-Leather and leather products	1 001 116	960 396	-4,1	-40 720
-Footwear	939 475	928 951	-1,1	-10 524
Wood and wood products, paper, publishing and printing	27 727 526	26 961 778	-2,8	-765 748
-Wood and products of wood	5 579 003	5 694 026	2,1	115 023
-Paper and paper products	13 035 330	12 532 893	-3,9	-502 437
-Publishing and printing	9 113 193	8 734 856	-4,2	-378 337
Petroleum, chemical products, rubber and plastic products	71 337 412	69 964 135	-1,9	-1 373 277
-Coke, petroleum products and nuclear fuel	25 063 119	23 704 266	-5,4	-1 358 853
-Basic chemicals	15 251 180	15 448 600	1,3	197 420
-Other chemical products	17 456 607	17 506 040	0,3	49 433
-Rubber products	3 072 793	2 908 157	-5,4	-164 636
-Plastic products	10 493 712	10 397 072	-0,9	-96 640
Glass and non-metallic mineral products	10 412 424	10 320 695	-0,9	-91 729
-Glass and glass products	1 730 520	1 840 418	6,4	109 898
-Non-metallic mineral products	8 681 905	8 480 276	-2,3	-201 629
Basic iron and steel, non-ferrous metal products, metal products and machinery	64 880 603	66 838 845	3,0	1 958 242
-Basic iron and steel products	21 534 990	22 847 586	6,1	1 312 596
-Basic precious, non-ferrous metal products	11 702 319	12 658 311	8,2	955 992
-Fabricated metal products	15 382 548	15 476 205	0,6	93 657
-Machinery and equipment	16 260 746	15 856 743	-2,5	-404 003
Electrical machinery	9 467 775	9 268 514	-2,1	-199 261
Radio, television and communication apparatus and professional equipment	3 195 525	3 166 296	-0,9	-29 229
-Radio, television and communication apparatus	1 265 139	1 241 682	-1,9	-23 457
-Professional equipment	1 930 385	1 924 614	-0,3	-5 771
Motor vehicles, parts and accessories and other transport equipment	39 474 407	40 971 046	3,8	1 496 639
-Motor vehicles, trailers, parts and accessories	35 374 409	36 289 482	2,6	915 073
-Other transport equipment	4 099 998	4 681 564	14,2	581 566
Furniture and other manufacturing division	14 202 171	13 862 857	-2,4	-339 314
-Furniture	3 014 462	2 990 253	-0,8	-24 209
-Other manufacturing groups	11 187 708	10 872 604	-2,8	-315 104
Total	311 987 734	313 216 607	0,4	1 228 873

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	105,9
Aug	100,3	103,3	108,8	114,3	114,8	96,7	101,7
Sep	102,3	107,5	109,7	108,8	114,2	100,8	1/ 102,1
Oct	108,2	106,9	117,0	124,1	121,1	109,2	1/ 111,7
Nov	107,5	110,7	119,0	124,2	114,3	108,5	1/ 113,5
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	5,2
Sep	6,5	5,1	2,0	-0,8	5,0	-11,7	1,3
Oct	4,7	-1,2	9,4	6,1	-2,4	-9,8	2,3
Nov	5,8	3,0	7,5	4,4	-8,0	-5,1	4,6
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	109,9	111,2	97,5	100,6
Feb	94,8	99,5	101,2	109,9	114,1	96,6	99,4
Mar	97,6	98,4	103,0	110,1	108,8	96,0	102,4
Apr	94,1	102,5	101,4	107,5	119,4	93,0	101,2
May	98,0	99,5	103,6	112,7	113,6	93,9	101,6
Jun	96,9	99,6	105,8	108,0	113,7	93,8	102,6
Jul	98,3	99,5	105,4	108,7	112,2	96,3	102,8
Aug	97,5	100,1	105,1	110,5	111,3	94,0	99,0
Sep	98,9	103,8	105,5	104,7	109,8	96,8	98,3
Oct	98,2	96,7	105,5	111,5	108,3	97,8	99,5
Nov	96,9	99,9	107,5	112,1	102,5	98,0	102,0
Dec	98,6	103,3	109,8	109,1	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		
			November 2009	1/ October 2010	1/ November 2010	November 2009	October 2010	November 2010
Food and beverages	15,4	111,8	124,7	133,9	127,5	113,3	118,8	115,8
-Meat, fish, fruit, etc.	1,8	109,3	120,1	116,9	123,0	115,7	114,4	118,3
-Dairy products	0,8	109,7	116,4	122,8	124,6	109,0	108,6	117,0
-Grain mill products	0,8	108,5	117,0	115,6	115,6	112,6	113,1	111,1
-Other food products	5,2	110,3	119,9	153,3	115,8	109,0	126,0	106,0
-Beverages	6,8	114,2	131,5	127,3	139,3	116,6	116,3	123,0
Textiles, clothing, leather and footwear	4,9	89,5	104,8	94,2	100,5	87,5	80,1	83,9
-Textiles	0,7	73,7	73,9	71,0	74,8	66,6	63,9	67,6
-Other textile products	0,9	78,1	90,3	80,0	88,6	74,4	68,1	73,1
-Knitted, crocheted articles	0,2	104,4	107,7	108,4	99,3	100,4	94,5	93,1
-Wearing apparel	2,1	96,5	116,7	100,0	109,1	93,4	84,8	87,2
-Leather and leather products	0,6	83,6	101,5	80,6	96,7	91,3	76,1	86,4
-Footwear	0,4	107,3	128,7	147,3	130,1	108,0	109,1	108,9
Wood and wood products, paper, publishing and printing	10,2	92,0	100,9	106,0	108,6	88,6	95,3	95,4
-Sawmilling and planing of wood	0,7	73,4	76,7	94,1	88,1	69,8	83,1	80,5
-Products of wood	1,3	88,6	99,7	97,5	103,5	85,7	86,9	89,0
-Paper and paper products	3,8	103,6	109,7	121,2	117,0	101,5	112,5	108,7
-Publishing	1,9	86,8	94,3	85,5	95,1	80,4	78,7	80,9
-Printing, recorded media	2,5	84,8	100,0	105,6	114,3	81,6	88,7	93,1
Petroleum, chemical products, rubber and plastic products	22,1	105,0	114,7	117,7	119,8	104,8	108,8	108,6
-Coke, petroleum products and nuclear fuel	8,5	95,3	100,7	91,5	84,7	100,2	93,6	84,4
-Basic chemicals	4,5	107,9	112,5	135,9	146,6	96,8	115,1	126,0
-Other chemical products	5,3	109,6	123,3	126,7	134,2	108,3	114,0	118,0
-Rubber products	1,0	77,3	85,2	97,3	101,0	77,7	90,3	92,1
-Plastic products	2,7	131,2	156,1	159,6	164,1	135,7	142,4	143,1
Glass and non-metallic mineral products	4,8	96,5	109,1	103,9	105,7	95,3	93,1	92,4
-Glass and glass products	1,0	121,6	156,5	142,5	149,5	124,9	122,4	118,6
-Non-metallic mineral products	3,8	90,2	97,2	94,2	94,8	87,9	85,8	85,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	85,9	97,2	93,7	95,0	91,1	85,2	88,2
-Basic iron and steel products	7,7	72,0	90,6	79,1	72,9	92,5	72,2	74,4
-Non-ferrous metal products	3,4	95,4	100,6	108,5	106,0	97,7	102,9	103,1
-Structural metal products	2,0	96,7	103,0	99,1	112,7	89,0	89,8	96,9
-Other fabricated metal products	3,8	104,5	116,6	117,2	129,9	100,0	104,1	111,1
-General purpose machinery	2,4	73,2	82,4	78,3	80,3	72,5	69,9	70,3
-Special purpose machinery	3,1	88,3	92,1	89,3	90,1	85,1	80,6	83,3
-Household appliances	0,6	96,0	105,8	112,2	122,1	90,4	99,3	104,3
Electrical machinery	2,5	121,2	131,1	133,5	143,0	118,9	122,5	130,1
Radio, television and communication apparatus and professional equipment	1,1	98,7	108,2	94,4	110,8	95,9	90,4	98,2
-Radio, television and communication apparatus	0,4	102,8	107,1	86,8	106,6	93,1	79,8	93,1
-Professional equipment	0,7	96,1	108,9	99,2	113,5	97,7	97,1	101,4
Motor vehicles, parts and accessories and other transport equipment	10,9	79,7	99,5	124,3	129,5	89,0	100,3	115,8
-Motor vehicles	4,9	66,1	82,0	123,8	128,4	69,5	93,4	109,4
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	135,7	139,5	144,3	110,8	114,5	117,6
-Parts and accessories	4,7	82,4	105,9	118,5	125,0	99,6	98,4	118,5
-Other transport equipment	0,9	124,8	140,7	148,1	149,8	127,0	138,8	134,0
Furniture and other manufacturing division	5,2	94,5	110,5	100,9	107,7	93,7	88,3	90,6
-Furniture	1,3	88,8	115,0	114,2	119,8	86,0	89,6	89,4
-Other manufacturing groups	3,9	96,4	109,0	96,4	103,6	96,3	87,8	91,0
Total	100,0	96,2	108,5	111,7	113,5	98,0	99,5	102,0

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		
			November 2009	November 2010	Percentage change between November 2009 and November 2010	October 2010	November 2010	Percentage change between October and November 2010
Food and beverages	15,4	111,8	124,7	127,5	2,2	118,8	115,8	-2,5
-Meat, fish, fruit, etc.	1,8	109,3	120,1	123,0	2,4	114,4	118,3	3,4
-Dairy products	0,8	109,7	116,4	124,6	7,0	108,6	117,0	7,7
-Grain mill products	0,8	108,5	117,0	115,6	-1,2	113,1	111,1	-1,8
-Other food products	5,2	110,3	119,9	115,8	-3,4	126,0	106,0	-15,9
-Beverages	6,8	114,2	131,5	139,3	5,9	116,3	123,0	5,8
Textiles, clothing, leather and footwear	4,9	89,5	104,8	100,5	-4,1	80,1	83,9	4,7
-Textiles	0,7	73,7	73,9	74,8	1,2	63,9	67,6	5,8
-Other textile products	0,9	78,1	90,3	88,6	-1,9	68,1	73,1	7,3
-Knitted, crocheted articles	0,2	104,4	107,7	99,3	-7,8	94,5	93,1	-1,5
-Wearing apparel	2,1	96,5	116,7	109,1	-6,5	84,8	87,2	2,8
-Leather and leather products	0,6	83,6	101,5	96,7	-4,7	76,1	86,4	13,5
-Footwear	0,4	107,3	128,7	130,1	1,1	109,1	108,9	-0,2
Wood and wood products, paper, publishing and printing	10,2	92,0	100,9	108,6	7,6	95,3	95,4	0,1
-Sawmilling and planing of wood	0,7	73,4	76,7	88,1	14,9	83,1	80,5	-3,1
-Products of wood	1,3	88,6	99,7	103,5	3,8	86,9	89,0	2,4
-Paper and paper products	3,8	103,6	109,7	117,0	6,7	112,5	108,7	-3,4
-Publishing	1,9	86,8	94,3	95,1	0,8	78,7	80,9	2,8
-Printing, recorded media	2,5	84,8	100,0	114,3	14,3	88,7	93,1	5,0
Petroleum, chemical products, rubber and plastic products	22,1	105,0	114,7	119,8	4,4	108,8	108,6	-0,2
-Coke, petroleum products and nuclear fuel	8,5	95,3	100,7	84,7	-15,9	93,6	84,4	-9,8
-Basic chemicals	4,5	107,9	112,5	146,6	30,3	115,1	126,0	9,5
-Other chemical products	5,3	109,6	123,3	134,2	8,8	114,0	118,0	3,5
-Rubber products	1,0	77,3	85,2	101,0	18,5	90,3	92,1	2,0
-Plastic products	2,7	131,2	156,1	164,1	5,1	142,4	143,1	0,5
Glass and non-metallic mineral products	4,8	96,5	109,1	105,7	-3,1	93,1	92,4	-0,8
-Glass and glass products	1,0	121,6	156,5	149,5	-4,5	122,4	118,6	-3,1
-Non-metallic mineral products	3,8	90,2	97,2	94,8	-2,5	85,8	85,8	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	85,9	97,2	95,0	-2,3	85,2	88,2	3,5
-Basic iron and steel products	7,7	72,0	90,6	72,9	-19,5	72,2	74,4	3,0
-Non-ferrous metal products	3,4	95,4	100,6	106,0	5,4	102,9	103,1	0,2
-Structural metal products	2,0	96,7	103,0	112,7	9,4	89,8	96,9	7,9
-Other fabricated metal products	3,8	104,5	116,6	129,9	11,4	104,1	111,1	6,7
-General purpose machinery	2,4	73,2	82,4	80,3	-2,5	69,9	70,3	0,6
-Special purpose machinery	3,1	88,3	92,1	90,1	-2,2	80,6	83,3	3,3
-Household appliances	0,6	96,0	105,8	122,1	15,4	99,3	104,3	5,0
Electrical machinery	2,5	121,2	131,1	143,0	9,1	122,5	130,1	6,2
Radio, television and communication apparatus and professional equipment	1,1	98,7	108,2	110,8	2,4	90,4	98,2	8,6
-Radio, television and communication apparatus	0,4	102,8	107,1	106,6	-0,5	79,8	93,1	16,7
-Professional equipment	0,7	96,1	108,9	113,5	4,2	97,1	101,4	4,4
Motor vehicles, parts and accessories and other transport equipment	10,9	79,7	99,5	129,5	30,2	100,3	115,8	15,5
-Motor vehicles	4,9	66,1	82,0	128,4	56,6	93,4	109,4	17,1
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	135,7	144,3	6,3	114,5	117,6	2,7
-Parts and accessories	4,7	82,4	105,9	125,0	18,0	98,4	118,5	20,4
-Other transport equipment	0,9	124,8	140,7	149,8	6,5	138,8	134,0	-3,5
Furniture and other manufacturing division	5,2	94,5	110,5	107,7	-2,5	88,3	90,6	2,6
-Furniture	1,3	88,8	115,0	119,8	4,2	89,6	89,4	-0,2
-Other manufacturing groups	3,9	96,4	109,0	103,6	-5,0	87,8	91,0	3,6
Total	100,0	96,2	108,5	113,5	4,6	99,5	102,0	2,5

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	107 176 982
Aug	72 358 270	78 533 270	91 130 164	103 286 147	124 293 826	99 412 537	104 965 646
Sep	75 769 608	81 576 570	93 387 334	98 938 121	123 806 867	103 482 347	1/ 107 149 992
Oct	78 185 765	81 457 255	98 505 874	111 757 950	129 941 379	108 453 282	1/ 115 500 219
Nov	80 545 958	85 122 282	101 894 005	114 304 668	120 894 966	110 596 379	1/ 119 344 670
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	5,6
Sep	12,4	7,7	14,5	5,9	25,1	-16,4	3,5
Oct	8,4	4,2	20,9	13,5	16,3	-16,5	6,5
Nov	13,8	5,7	19,7	12,2	5,8	-8,5	7,9
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	67 562 524	71 174 464	78 840 331	95 451 829	106 528 243	100 847 188	102 213 048
Feb	68 983 140	72 012 719	77 099 500	96 323 227	112 220 422	101 138 764	101 846 214
Mar	70 925 173	72 007 404	80 083 343	96 161 953	110 478 925	101 472 618	106 666 946
Apr	69 017 344	76 912 690	78 433 164	95 383 773	123 310 496	95 271 900	103 386 140
May	70 921 822	74 373 145	82 435 814	99 735 478	117 816 890	95 567 406	104 155 275
Jun	70 386 284	75 172 452	85 007 035	95 353 218	120 078 642	95 069 993	105 666 375
Jul	70 923 419	74 944 830	85 771 740	95 555 149	122 538 236	95 836 935	104 168 960
Aug	70 532 178	76 159 848	88 046 711	99 815 926	119 640 278	96 345 177	102 152 399
Sep	72 097 744	77 356 243	88 382 060	93 678 496	117 061 935	98 002 549	101 444 869
Oct	71 303 174	74 151 302	89 512 688	101 268 902	117 354 681	97 913 365	104 152 247
Nov	72 553 297	76 387 244	91 761 149	103 031 258	108 821 917	99 672 566	107 619 491
Dec	72 438 338	80 207 065	91 507 218	101 863 251	105 708 394	104 456 453	

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		
		November 2009	1/ October 2010	1/ November 2010	November 2009	October 2010	November 2010
Food and beverages	239 997 619	22 098 102	21 935 080	23 251 095	20 076 109	20 416 586	21 116 662
-Meat, fish, fruit, etc.	64 578 008	6 030 367	5 894 137	6 198 560	5 617 966	5 596 931	5 769 079
-Dairy products	20 927 661	1 829 294	1 968 491	2 017 207	1 712 604	1 809 435	1 892 396
-Grain mill products	44 238 183	3 807 891	3 616 172	3 777 943	3 568 861	3 456 524	3 540 683
-Other food products	53 020 863	5 027 341	4 936 633	5 243 984	4 334 689	4 409 209	4 530 683
-Beverages	57 232 904	5 403 209	5 519 647	6 013 401	4 841 988	5 144 487	5 383 821
Textiles, clothing, leather and footwear	39 358 324	3 803 626	3 477 322	3 778 048	3 136 197	2 969 056	3 116 693
-Textiles	6 020 147	513 710	497 203	523 150	456 805	447 031	466 202
-Other textile products	9 944 381	943 545	873 249	921 444	784 256	738 935	767 547
-Knitted, crocheted articles	1 820 905	157 660	151 987	146 268	144 856	136 132	135 671
-Wearing apparel	14 398 708	1 420 109	1 218 308	1 381 454	1 119 108	1 040 863	1 088 824
-Leather and leather products	3 569 498	348 093	342 893	358 065	326 179	305 119	335 527
-Footwear	3 604 685	420 509	393 682	447 667	304 994	300 977	322 922
Wood and wood products, paper, publishing and printing	102 039 074	9 340 289	9 772 463	10 212 270	8 229 545	8 815 271	9 003 617
-Sawmilling and planing of wood	6 411 740	592 042	705 982	617 278	540 644	608 046	565 676
-Products of wood	16 025 375	1 489 071	1 476 839	1 543 487	1 280 397	1 298 402	1 328 467
-Paper and paper products	46 059 169	4 008 368	4 336 355	4 487 294	3 691 773	4 086 246	4 143 079
-Publishing	14 886 400	1 363 300	1 279 893	1 388 908	1 176 460	1 178 085	1 197 100
-Printing, recorded media	18 656 390	1 887 508	1 973 394	2 175 303	1 540 271	1 644 490	1 769 294
Petroleum, chemical products, rubber and plastic products	262 540 179	24 364 340	26 067 009	25 870 605	22 058 025	23 551 513	23 388 595
-Coke, petroleum products and nuclear fuel	89 965 147	7 809 104	8 739 499	7 589 860	7 826 385	8 316 226	7 651 870
-Basic chemicals	56 237 245	5 307 447	5 979 196	6 096 109	4 572 733	5 147 043	5 247 130
-Other chemical products	66 512 727	6 372 629	6 372 649	6 852 642	5 465 625	5 651 436	5 884 692
-Rubber products	11 347 042	1 049 789	1 070 964	1 228 543	942 199	1 001 889	1 106 163
-Plastic products	38 478 018	3 825 371	3 904 701	4 103 451	3 251 083	3 434 918	3 498 740
Glass and non-metallic mineral products	40 112 675	3 845 886	3 780 420	4 056 561	3 344 602	3 282 529	3 527 765
-Glass and glass products	6 691 796	775 183	722 345	845 084	582 194	599 844	629 858
-Non-metallic mineral products	33 420 879	3 070 703	3 058 075	3 211 477	2 762 408	2 682 685	2 897 906
Basic iron and steel, non-ferrous metal products, metal products and machinery	249 364 417	22 700 792	24 393 543	25 006 595	21 112 109	21 926 118	23 369 050
-Basic iron and steel products	77 590 894	6 945 737	8 384 995	8 271 544	7 096 059	7 413 816	8 527 104
-Non-ferrous metal products	42 550 609	4 122 790	4 560 247	4 691 452	3 719 205	4 299 903	4 213 552
-Structural metal products	23 111 172	1 953 494	1 976 613	2 183 899	1 705 136	1 746 818	1 902 098
-Other fabricated metal products	40 036 447	3 702 830	3 679 447	3 995 076	3 177 464	3 267 198	3 430 731
-General purpose machinery	28 209 259	2 640 384	2 488 287	2 579 606	2 345 248	2 236 087	2 283 311
-Special purpose machinery	28 423 653	2 459 712	2 335 929	2 293 672	2 321 565	2 128 877	2 164 708
-Household appliances	9 442 383	875 845	968 025	991 346	747 432	833 420	847 546
Electrical machinery	35 326 612	3 162 828	3 209 415	3 513 197	2 853 467	3 014 049	3 190 499
Radio, television and communication apparatus and professional equipment	13 518 475	1 193 249	1 095 413	1 172 214	1 076 870	1 048 405	1 062 302
-Radio, television and communication apparatus	6 041 590	530 045	440 161	492 786	457 713	407 021	426 304
-Professional equipment	7 476 885	663 204	655 252	679 428	619 158	641 384	635 997
Motor vehicles, parts and accessories and other transport equipment	142 178 315	14 906 717	16 714 528	17 372 903	13 015 429	14 429 338	15 127 168
-Motor vehicles	69 665 442	7 635 180	8 514 672	9 001 614	6 418 791	7 272 377	7 521 327
-Bodies for motor vehicles, trailers and semi-trailers	6 889 529	712 668	748 917	784 318	568 518	621 408	623 752
-Parts and accessories	48 904 780	4 991 797	5 753 847	5 869 368	4 616 665	4 955 936	5 448 693
-Other transport equipment	16 718 564	1 567 072	1 697 092	1 717 603	1 411 455	1 579 618	1 533 396
Furniture and other manufacturing division	55 680 257	5 180 550	5 055 026	5 111 182	4 770 215	4 699 382	4 717 142
-Furniture	11 262 810	1 233 271	1 266 142	1 349 900	907 380	979 983	992 665
-Other manufacturing groups	44 417 447	3 947 279	3 788 884	3 761 282	3 862 835	3 719 400	3 724 477
Total	1 180 115 947	110 596 379	115 500 219	119 344 670	99 672 566	104 152 247	107 619 491

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		
		November 2009	1/ November 2010	Percentage change between November 2009 and November 2010	October 2010	November 2010	Percentage change between October and November 2010
Food and beverages	239 997 619	22 098 102	23 251 095	5,2	20 416 586	21 116 662	3,4
-Meat, fish, fruit, etc.	64 578 008	6 030 367	6 198 560	2,8	5 596 931	5 769 079	3,1
-Dairy products	20 927 661	1 829 294	2 017 207	10,3	1 809 435	1 892 396	4,6
-Grain mill products	44 238 183	3 807 891	3 777 943	-0,8	3 456 524	3 540 683	2,4
-Other food products	53 020 863	5 027 341	5 243 984	4,3	4 409 209	4 530 683	2,8
-Beverages	57 232 904	5 403 209	6 013 401	11,3	5 144 487	5 383 821	4,7
Textiles, clothing, leather and footwear	39 358 324	3 803 626	3 778 048	-0,7	2 969 056	3 116 693	5,0
-Textiles	6 020 147	513 710	523 150	1,8	447 031	466 202	4,3
-Other textile products	9 944 381	943 545	921 444	-2,3	738 935	767 547	3,9
-Knitted, crocheted articles	1 820 905	157 660	146 268	-7,2	136 132	135 671	-0,3
-Wearing apparel	14 398 708	1 420 109	1 381 454	-2,7	1 040 863	1 088 824	4,6
-Leather and leather products	3 569 498	348 093	358 065	2,9	305 119	335 527	10,0
-Footwear	3 604 685	420 509	447 667	6,5	300 977	322 922	7,3
Wood and wood products, paper, publishing and printing	102 039 074	9 340 289	10 212 270	9,3	8 815 271	9 003 617	2,1
-Sawmilling and planing of wood	6 411 740	592 042	617 278	4,3	608 046	565 676	-7,0
-Products of wood	16 025 375	1 489 071	1 543 487	3,7	1 298 402	1 328 467	2,3
-Paper and paper products	46 059 169	4 008 368	4 487 294	11,9	4 086 246	4 143 079	1,4
-Publishing	14 886 400	1 363 300	1 388 908	1,9	1 178 085	1 197 100	1,6
-Printing, recorded media	18 656 390	1 887 508	2 175 303	15,2	1 644 490	1 769 294	7,6
Petroleum, chemical products, rubber and plastic products	262 540 179	24 364 340	25 870 605	6,2	23 551 513	23 388 595	-0,7
-Coke, petroleum products and nuclear fuel	89 965 147	7 809 104	7 589 860	-2,8	8 316 226	7 651 870	-8,0
-Basic chemicals	56 237 245	5 307 447	6 096 109	14,9	5 147 043	5 247 130	1,9
-Other chemical products	66 512 727	6 372 629	6 852 642	7,5	5 651 436	5 884 692	4,1
-Rubber products	11 347 042	1 049 789	1 228 543	17,0	1 001 889	1 106 163	10,4
-Plastic products	38 478 018	3 825 371	4 103 451	7,3	3 434 918	3 498 740	1,9
Glass and non-metallic mineral products	40 112 675	3 845 886	4 056 561	5,5	3 282 529	3 527 765	7,5
-Glass and glass products	6 691 796	775 183	845 084	9,0	599 844	629 858	5,0
-Non-metallic mineral products	33 420 879	3 070 703	3 211 477	4,6	2 682 685	2 897 906	8,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	249 364 417	22 700 792	25 006 595	10,2	21 926 118	23 369 050	6,6
-Basic iron and steel products	77 590 894	6 945 737	8 271 544	19,1	7 413 816	8 527 104	15,0
-Non-ferrous metal products	42 550 609	4 122 790	4 691 452	13,8	4 299 903	4 213 552	-2,0
-Structural metal products	23 111 172	1 953 494	2 183 899	11,8	1 746 818	1 902 098	8,9
-Other fabricated metal products	40 036 447	3 702 830	3 995 076	7,9	3 267 198	3 430 731	5,0
-General purpose machinery	28 209 259	2 640 384	2 579 606	-2,3	2 236 087	2 283 311	2,1
-Special purpose machinery	28 423 653	2 459 712	2 293 672	-6,8	2 128 877	2 164 708	1,7
-Household appliances	9 442 383	875 845	991 346	13,2	833 420	847 546	1,7
Electrical machinery	35 326 612	3 162 828	3 513 197	11,1	3 014 049	3 190 499	5,9
Radio, television and communication apparatus and professional equipment	13 518 475	1 193 249	1 172 214	-1,8	1 048 405	1 062 302	1,3
-Radio, television and communication apparatus	6 041 590	530 045	492 786	-7,0	407 021	426 304	4,7
-Professional equipment	7 476 885	663 204	679 428	2,4	641 384	635 997	-0,8
Motor vehicles, parts and accessories and other transport equipment	142 178 315	14 906 717	17 372 903	16,5	14 429 338	15 127 168	4,8
-Motor vehicles	69 665 442	7 635 180	9 001 614	17,9	7 272 377	7 521 327	3,4
-Bodies for motor vehicles, trailers and semi-trailers	6 889 529	712 668	784 318	10,1	621 408	623 752	0,4
-Parts and accessories	48 904 780	4 991 797	5 869 368	17,6	4 955 936	5 448 693	9,9
-Other transport equipment	16 718 564	1 567 072	1 717 603	9,6	1 579 618	1 533 396	-2,9
Furniture and other manufacturing division	55 680 257	5 180 550	5 111 182	-1,3	4 699 382	4 717 142	0,4
-Furniture	11 262 810	1 233 271	1 349 900	9,5	979 983	992 665	1,3
-Other manufacturing groups	44 417 447	3 947 279	3 761 282	-4,7	3 719 400	3 724 477	0,1
Total	1 180 115 947	110 596 379	119 344 670	7,9	104 152 247	107 619 491	3,3

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)		
		Sep. to Nov. 2009	Sep. to Nov. 2010	Annual percentage change between Sep. to Nov. 2009 and Sep. to Nov. 2010	Sep. to Nov. 2009	Sep. to Nov. 2010	Annual percentage change between Sep. to Nov. 2009 and Sep. to Nov. 2010
Food and beverages	15,4	123,7	129,3	4,5	64 531 483	66 795 089	3,5
-Meat, fish, fruit, etc.	1,8	116,4	119,2	2,4	17 225 976	17 985 555	4,4
-Dairy products	0,8	119,1	122,4	2,8	5 632 385	5 852 392	3,9
-Grain mill products	0,8	113,6	117,0	3,0	11 215 982	11 081 258	-1,2
-Other food products	5,2	125,6	133,3	6,1	14 904 052	14 927 576	0,2
-Beverages	6,8	125,9	131,2	4,2	15 553 088	16 948 308	9,0
Textiles, clothing, leather and footwear	4,9	99,1	93,7	-5,4	10 779 127	10 421 521	-3,3
-Textiles	0,7	73,2	70,9	-3,1	1 497 973	1 489 332	-0,6
-Other textile products	0,9	86,4	80,3	-7,1	2 715 224	2 552 736	-6,0
-Knitted, crocheted articles	0,2	104,1	100,3	-3,7	446 271	430 316	-3,6
-Wearing apparel	2,1	106,8	100,7	-5,7	3 923 045	3 730 446	-4,9
-Leather and leather products	0,6	93,0	87,0	-6,5	1 025 191	1 035 384	1,0
-Footwear	0,4	136,2	131,0	-3,8	1 171 423	1 183 307	1,0
Wood and wood products, paper, publishing and printing	10,2	98,8	106,0	7,3	27 661 034	29 840 788	7,9
-Sawmilling and planing of wood	0,7	79,9	89,5	12,0	1 767 895	1 979 685	12,0
-Products of wood	1,3	95,8	98,5	2,8	4 340 944	4 421 741	1,9
-Paper and paper products	3,8	111,2	120,0	7,9	12 391 136	13 578 818	9,6
-Publishing	1,9	88,6	89,0	0,5	3 852 643	3 887 764	0,9
-Printing, recorded media	2,5	94,3	105,8	12,2	5 308 416	5 972 780	12,5
Petroleum, chemical products, rubber and plastic products	22,1	112,5	116,4	3,5	71 181 895	76 327 802	7,2
-Coke, petroleum products and nuclear fuel	8,5	94,5	90,2	-4,6	23 594 614	24 374 911	3,3
-Basic chemicals	4,5	121,0	134,0	10,7	15 267 751	17 628 419	15,5
-Other chemical products	5,3	119,2	129,2	8,4	18 205 048	19 525 106	7,3
-Rubber products	1,0	83,5	82,7	-1,0	3 066 851	3 113 533	1,5
-Plastic products	2,7	152,1	156,4	2,8	11 047 631	11 685 833	5,8
Glass and non-metallic mineral products	4,8	104,2	103,8	-0,4	11 238 759	11 648 587	3,6
-Glass and glass products	1,0	138,4	142,2	2,7	2 054 767	2 246 239	9,3
-Non-metallic mineral products	3,8	95,6	94,2	-1,5	9 183 992	9 402 348	2,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	95,7	92,9	-2,9	68 528 368	72 769 301	6,2
-Basic iron and steel products	7,7	89,2	75,4	-15,5	22 280 316	24 333 267	9,2
-Non-ferrous metal products	3,4	99,6	106,7	7,1	11 618 163	13 823 572	19,0
-Structural metal products	2,0	100,4	104,0	3,6	5 836 510	6 124 826	4,9
-Other fabricated metal products	3,8	111,1	118,2	6,4	10 865 873	11 129 895	2,4
-General purpose machinery	2,4	80,1	77,8	-2,9	7 715 974	7 514 531	-2,6
-Special purpose machinery	3,1	96,5	90,8	-5,9	7 700 639	7 015 774	-8,9
-Household appliances	0,6	100,4	113,7	13,2	2 510 893	2 827 436	12,6
Electrical machinery	2,5	132,0	138,1	4,6	9 449 189	10 048 514	6,3
Radio, television and communication apparatus and professional equipment	1,1	108,6	101,9	-6,2	3 593 992	3 412 839	-5,0
-Radio, television and communication apparatus	0,4	116,9	94,7	-19,0	1 666 463	1 375 765	-17,4
-Professional equipment	0,7	103,4	106,5	3,0	1 927 529	2 037 074	5,7
Motor vehicles, parts and accessories and other transport equipment	10,9	95,4	110,2	15,5	40 483 065	45 829 256	13,2
-Motor vehicles	4,9	76,1	104,2	36,9	19 996 001	23 155 965	15,8
-Bodies for motor vehicles, trailers and semi-trailers	0,5	122,2	134,7	10,2	1 956 876	2 167 117	10,7
-Parts and accessories	4,7	106,9	107,6	0,7	14 343 227	15 637 434	9,0
-Other transport equipment	0,9	125,2	141,6	13,1	4 186 961	4 868 740	16,3
Furniture and other manufacturing division	5,2	106,4	100,1	-5,9	15 085 096	14 901 184	-1,2
-Furniture	1,3	105,9	111,3	5,1	3 388 524	3 695 846	9,1
-Other manufacturing groups	3,9	106,6	96,3	-9,7	11 696 572	11 205 338	-4,2
Total	100,0	106,2	109,1	2,7	322 532 008	341 994 881	6,0

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

Manufacturing divisions and major groups	Weights 2005	Indices (base 2005=100)				Value of sales (R million)			
		Jan. to Nov. 2009	Jan. to Nov. 2010	Annual percentage change between 2009 and 2010	Contribution (percentage points)	Jan. to Nov. 2009	Jan. to Nov. 2010	Annual percentage change between 2009 and 2010	Difference in sales between 2009 and 2010
Food and beverages	15,4	110,6	114,8	3,8	0,7	216 526	222 792	2,9	6 266
-Meat, fish, fruit, etc.	1,8	108,1	113,7	5,2	0,1	58 443	61 175	4,7	2 732
-Dairy products	0,8	108,4	110,0	1,5	0,0	18 930	19 707	4,1	777
-Grain mill products	0,8	108,1	110,8	2,5	0,0	40 526	38 150	-5,9	-2 376
-Other food products	5,2	111,7	117,1	4,8	0,3	48 620	49 984	2,8	1 364
-Beverages	6,8	110,9	114,3	3,1	0,2	50 007	53 776	7,5	3 769
Textiles, clothing, leather and footwear	4,9	91,4	85,8	-6,1	-0,3	36 731	34 948	-4,9	-1 783
-Textiles	0,7	76,1	68,8	-9,6	-0,1	5 684	5 202	-8,5	-482
-Other textile products	0,9	79,9	74,8	-6,4	0,0	9 290	8 816	-5,1	-474
-Knitted, crocheted articles	0,2	106,8	106,0	-0,7	0,0	1 699	1 678	-1,2	-21
-Wearing apparel	2,1	98,5	88,6	-10,1	-0,2	13 416	12 071	-10,0	-1 345
-Leather and leather products	0,6	84,1	89,7	6,7	0,0	3 308	3 715	12,3	407
-Footwear	0,4	110,3	109,7	-0,5	0,0	3 333	3 466	4,0	133
Wood and wood products, paper, publishing and printing	10,2	93,1	97,0	4,2	0,4	94 469	99 640	5,5	5 171
-Sawmilling and planing of wood	0,7	75,4	85,3	13,1	0,1	5 979	6 644	11,1	665
-Products of wood	1,3	89,9	88,7	-1,3	0,0	14 941	14 524	-2,8	-417
-Paper and paper products	3,8	104,6	113,1	8,1	0,3	42 501	46 221	8,8	3 720
-Publishing	1,9	88,0	81,7	-7,2	-0,1	13 785	13 275	-3,7	-510
-Printing, recorded media	2,5	85,7	91,4	6,7	0,1	17 263	18 976	9,9	1 713
Petroleum, chemical products, rubber and plastic products	22,1	105,2	112,4	6,8	1,6	241 448	259 610	7,5	18 162
-Coke, petroleum products and nuclear fuel	8,5	94,6	93,8	-0,8	-0,1	82 273	89 714	9,0	7 441
-Basic chemicals	4,5	108,6	127,3	17,2	0,9	52 148	55 819	7,0	3 671
-Other chemical products	5,3	110,1	118,1	7,3	0,4	60 929	63 937	4,9	3 008
-Rubber products	1,0	79,3	84,9	7,1	0,1	10 574	11 217	6,1	643
-Plastic products	2,7	132,2	144,9	9,6	0,4	35 525	38 924	9,6	3 399
Glass and non-metallic mineral products	4,8	97,7	95,2	-2,6	-0,1	37 283	38 109	2,2	826
-Glass and glass products	1,0	122,1	121,3	-0,7	0,0	6 125	6 411	4,7	286
-Non-metallic mineral products	3,8	91,6	88,6	-3,3	-0,1	31 158	31 698	1,7	540
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	86,5	90,7	4,9	1,0	231 778	248 802	7,3	17 024
-Basic iron and steel products	7,7	71,1	81,6	14,8	0,8	72 360	85 873	18,7	13 513
-Non-ferrous metal products	3,4	95,7	100,4	4,9	0,2	39 276	44 256	12,7	4 980
-Structural metal products	2,0	99,1	94,7	-4,4	-0,1	21 565	20 477	-5,0	-1 088
-Other fabricated metal products	3,8	107,2	108,5	1,2	0,1	37 475	37 767	0,8	292
-General purpose machinery	2,4	74,0	70,8	-4,3	-0,1	26 065	25 296	-3,0	-769
-Special purpose machinery	3,1	88,7	91,2	2,8	0,1	26 207	26 005	-0,8	-202
-Household appliances	0,6	98,6	101,5	2,9	0,0	8 829	9 128	3,4	299
Electrical machinery	2,5	123,5	129,1	4,5	0,1	32 885	34 867	6,0	1 982
Radio, television and communication apparatus and professional equipment	1,1	99,9	94,3	-5,6	-0,1	12 473	11 849	-5,0	-624
-Radio, television and communication apparatus	0,4	104,3	89,4	-14,3	-0,1	5 574	4 838	-13,2	-736
-Professional equipment	0,7	97,1	97,3	0,2	0,0	6 899	7 011	1,6	112
Motor vehicles, parts and accessories and other transport equipment	10,9	81,2	98,8	21,7	2,0	131 976	151 878	15,1	19 902
-Motor vehicles	4,9	67,5	88,1	30,5	1,0	64 311	76 432	18,8	12 121
-Bodies for motor vehicles, trailers and semi-trailers	0,5	107,3	121,9	13,6	0,1	6 468	7 086	9,6	618
-Parts and accessories	4,7	84,0	102,9	22,5	0,9	45 822	53 081	15,8	7 259
-Other transport equipment	0,9	125,2	122,4	-2,2	0,0	15 374	15 279	-0,6	-95
Furniture and other manufacturing division	5,2	95,1	93,5	-1,7	-0,1	50 393	51 818	2,8	1 425
-Furniture	1,3	90,0	93,4	3,8	0,0	10 445	11 112	6,4	667
-Other manufacturing groups	3,9	96,9	93,5	-3,5	-0,1	39 948	40 706	1,9	758
Total	100,0	96,7	101,9	5,4	5,4	1 085 962	1 154 312	6,3	68 350

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 November 2010 was 82,8%. Improved response rate for October 2010 was 93,2%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

Survey methodology and design

- 11 The survey is conducted monthly. Questionnaires are sent to a sample of 3 027 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

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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