

Statistical release

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Manufacturing: Production and sales (Preliminary)

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Key figures for November 2011

Table A – Manufacturing production and sales

Estimates	November 2011	% change between November 2010 and November 2011	% change between September to November 2010 and September to November 2011	% change between January to November 2010 and January to November 2011
Physical volume of manufacturing production index (base: 2005=100)	116,6	2,6	3,8	2,6
Total estimated sales of manufactured products (R million)	133 464	10,0	12,4	9,1

Seasonally adjusted estimates	November 2011	% change between October and November 2011	% change between June to August 2011 and September to November 2011
Physical volume of manufacturing production index (base: 2005=100)	104,6	2,9	2,0
Total value of sales of manufactured products (R million)	120 531	2,7	5,8

Manufacturing production for November 2011 increased by 2,6% compared with November 2010.

The 2,6% year-on-year increase in manufacturing production for November 2011 was mainly due to higher production in the following divisions:

- the food and beverages division (8,5% and contributing 1,5 percentage points);
- the wood and wood products, paper, publishing and printing division (9,1% and contributing 0,9 of a percentage point);
- the basic iron and steel, non-ferrous metal products, metal products and machinery division (4,6% and contributing 0,9 of a percentage point);
- the glass and non-metallic mineral products division (12,7% and contributing 0,6 of a percentage point);
- the electrical machinery division (5,2% and contributing 0,2 of a percentage point); and
- the petroleum, chemical products, rubber and plastic products division (0,4% and contributing 0,1 of a percentage point) (see Table 4b).

The motor vehicles, parts and accessories and other transport equipment division recorded negative growth of 12,6% (-1,5 percentage points).

Seasonally adjusted manufacturing production for the three months ended November 2011 increased by 2,0% compared with the previous three months ended August 2011. Six of the ten manufacturing divisions reported positive growth rates over this period.

The increase was driven mainly by higher production recorded for the:

- basic iron and steel, non-ferrous metal products, metal products and machinery division (6,8% and contributing 1,3 percentage points);
- wood and wood products, paper, publishing and printing division (8,0% and contributing 0,7 of a percentage point);
- food and beverages division (2,6% and contributing 0,5 of a percentage point);
- electrical machinery division (7,5% and contributing 0,2 of a percentage point); and
- glass and non-metallic mineral products division (4,0% and contributing 0,2 of a percentage point).

However, these increases were partially counteracted by decreases mainly reported by the:

- motor vehicles, parts and accessories and other transport equipment division (-4,9% and contributing -0,6 of a percentage point);
- furniture and other manufacturing division (-4,8% and contributing -0,2 of a percentage point); and
- petroleum, chemical products, rubber and plastic products division (-0,9% and contributing -0,2 of a percentage point) (see Table B).

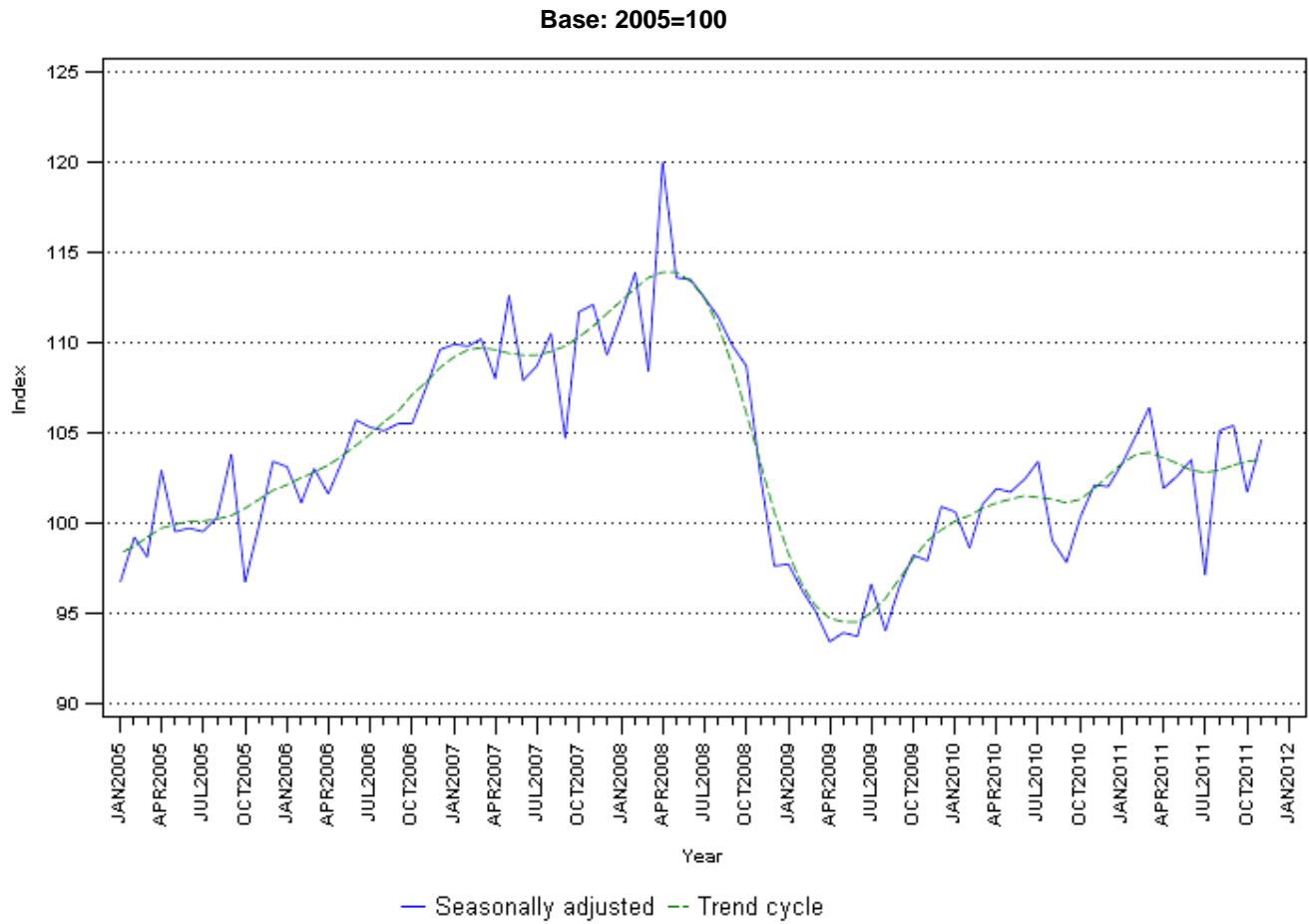
Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production

Base: 2005=100

Manufacturing divisions and major groups	Weights 2005	Average seasonally adjusted production index for June to August 2011	Average seasonally adjusted production index for September to November 2011	Quarterly % change of September to November 2011 compared with the preceding three months	Contribution (% points) to the seasonally adjusted quarterly % change in total manufacturing production 1/
Food and beverages	15,4	119,1	122,2	2,6	0,5
-Meat, fish, fruit, etc.	1,8	122,9	123,6	0,6	0,0
-Dairy products	0,8	115,1	123,4	7,2	0,1
-Grain mill products	0,8	108,8	112,8	3,7	0,0
-Other food products	5,2	115,9	115,8	-0,1	0,0
-Beverages	6,8	122,2	127,6	4,4	0,4
Textiles, clothing, leather and footwear	4,9	82,9	81,7	-1,4	-0,1
-Textiles	1,6	67,5	68,5	1,5	0,0
-Wearing apparel	2,3	86,3	80,9	-6,3	-0,1
-Leather and leather products	0,6	91,2	101,0	10,7	0,1
-Footwear	0,4	109,7	106,7	-2,7	0,0
Wood and wood products, paper, publishing and printing	10,2	92,8	100,2	8,0	0,7
-Wood and products of wood	2,0	86,7	88,7	2,3	0,0
-Paper and paper products	3,8	103,3	116,3	12,6	0,5
-Publishing and printing	4,3	86,4	91,3	5,7	0,2
Petroleum, chemical products, rubber and plastic products	22,1	111,4	110,4	-0,9	-0,2
-Coke, petroleum products and nuclear fuel	8,5	89,6	77,9	-13,1	-1,0
-Basic chemicals	4,5	127,9	129,8	1,5	0,1
-Other chemical products	5,3	118,2	124,3	5,2	0,3
-Rubber products	1,0	96,2	104,3	8,4	0,1
-Plastic products	2,7	144,3	155,3	7,6	0,3
Glass and non-metallic mineral products	4,8	97,1	101,0	4,0	0,2
-Glass and glass products	1,0	117,8	118,1	0,3	0,0
-Non-metallic mineral products	3,8	91,9	96,7	5,2	0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	86,6	92,5	6,8	1,3
-Basic iron and steel products	7,7	66,0	75,0	13,6	0,7
-Basic precious, non-ferrous metal products	3,4	110,1	109,6	-0,5	0,0
-Fabricated metal products	5,7	101,0	106,9	5,8	0,3
-Machinery and equipment	6,1	85,6	91,4	6,8	0,3
Electrical machinery	2,5	125,8	135,2	7,5	0,2
Radio, television and communication apparatus and professional equipment	1,1	106,4	111,5	4,8	0,1
-Radio, television and communication apparatus	0,4	107,9	115,9	7,4	0,0
-Professional equipment	0,7	105,5	108,7	3,0	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	106,9	101,7	-4,9	-0,6
-Motor vehicles	4,9	102,9	95,1	-7,6	-0,4
-Bodies for motor vehicles, trailers and semi-trailers	0,5	121,9	132,8	8,9	0,1
-Parts and accessories	4,7	104,8	103,7	-1,0	-0,1
-Other transport equipment	0,9	130,7	111,0	-15,1	-0,2
Furniture and other manufacturing division	5,2	95,5	90,9	-4,8	-0,2
-Furniture	1,3	91,3	94,9	3,9	0,0
-Other manufacturing groups	3,9	97,0	89,5	-7,7	-0,3
Total	100,0	101,9	103,9	2,0	2,0

1/ The contribution (percentage points) of a major group or division to the total seasonally adjusted manufacturing production is calculated by multiplying the difference in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. Figures have been rounded off.

Figure 1 – Index of the physical volume of manufacturing production: 2005 – 2011



Seasonally adjusted sales of manufactured products (at current prices) for the three months ended November 2011 increased by 5,8% (R19 755 million) compared with the previous three months ended August 2011. Nine of the ten manufacturing divisions reported positive growth rates over this period (see Table C).

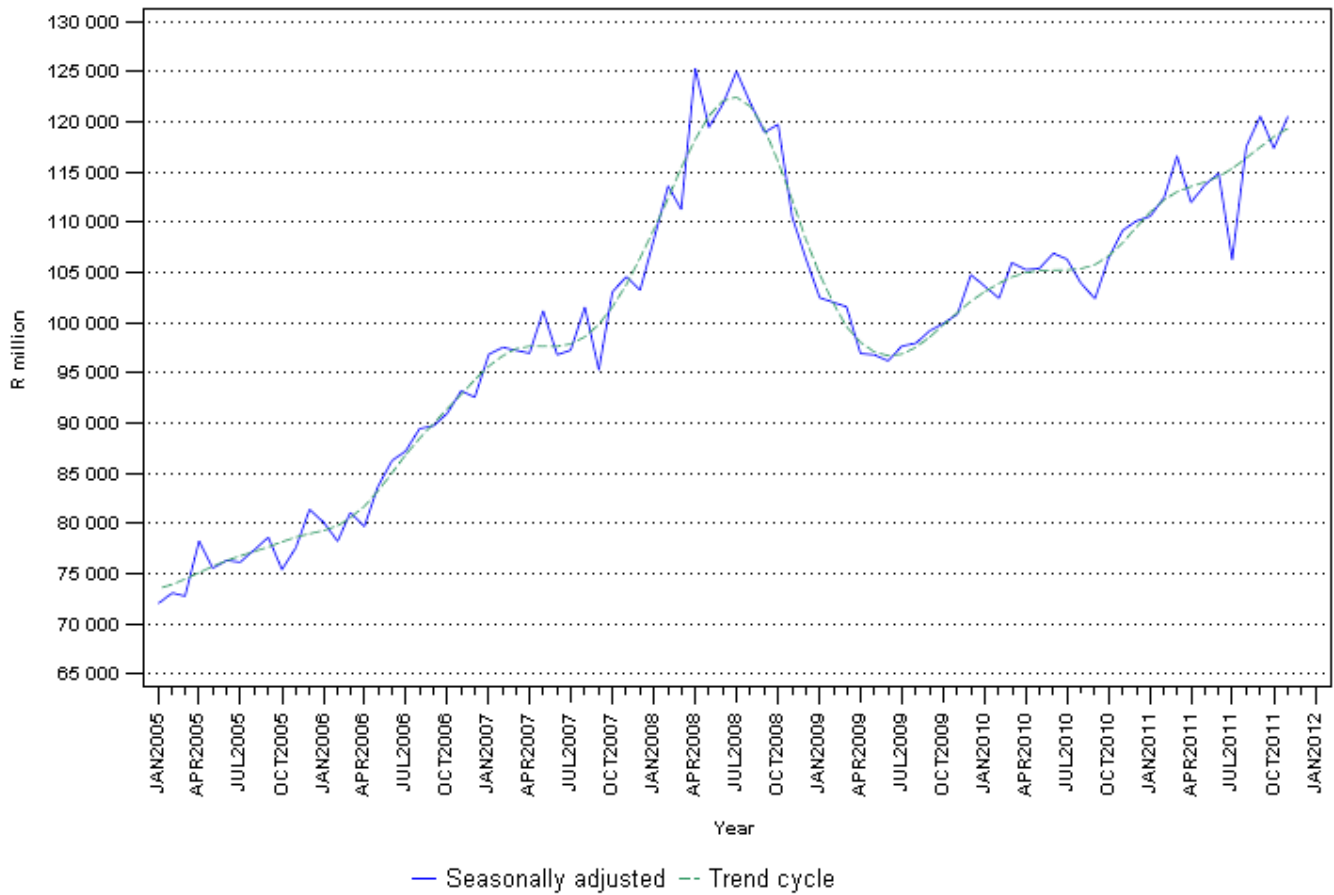
The five manufacturing divisions that were mainly responsible for the increase in total manufacturing sales were:

- the basic iron and steel, non-ferrous metal products, metal products and machinery division (9,0% or R6 513 million);
- the petroleum, chemical products, rubber and plastic products division (7,5% or R5 923 million);
- the food and beverages division (5,7% or R3 834 million);
- the wood and wood products, paper, publishing and printing division (7,4% or R1 959 million); and
- the electrical machinery division (11,7% or R1 171 million) (see Table C).

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

Manufacturing divisions and major groups	Seasonally adjusted sales June to August 2011	Seasonally adjusted sales September to November 2011	% change between June to August 2011 and September to November 2011	Difference in seasonally adjusted sales of manufacturing divisions between June to August 2011 and September to November 2011
	R'000	R'000	%	R'000
Food and beverages	67 094 383	70 928 221	5,7	3 833 838
-Food and food products	50 944 368	53 505 718	5,0	2 561 350
-Beverages	16 150 016	17 422 503	7,9	1 272 487
Textiles, clothing, leather and footwear	9 832 729	9 918 446	0,9	85 717
-Textiles	3 921 394	4 087 661	4,2	166 267
-Wearing apparel	3 882 427	3 754 300	-3,3	-128 127
-Leather and leather products	1 059 535	1 107 225	4,5	47 690
-Footwear	969 372	969 257	0,0	-115
Wood and wood products, paper, publishing and printing	26 562 613	28 522 043	7,4	1 959 430
-Wood and products of wood	5 914 668	6 083 987	2,9	169 319
-Paper and paper products	11 500 924	12 723 930	10,6	1 223 006
-Publishing and printing	9 147 019	9 714 127	6,2	567 108
Petroleum, chemical products, rubber and plastic products	78 454 116	84 377 238	7,5	5 923 122
-Coke, petroleum products and nuclear fuel	29 296 215	32 065 730	9,5	2 769 515
-Basic chemicals	16 736 014	17 848 568	6,6	1 112 554
-Other chemical products	17 672 902	18 561 128	5,0	888 226
-Rubber products	3 640 082	4 026 583	10,6	386 501
-Plastic products	11 108 903	11 875 229	6,9	766 326
Glass and non-metallic mineral products	10 678 947	11 016 864	3,2	337 917
-Glass and glass products	1 808 236	1 784 676	-1,3	-23 560
-Non-metallic mineral products	8 870 710	9 232 189	4,1	361 479
Basic iron and steel, non-ferrous metal products, metal products and machinery	72 204 794	78 717 571	9,0	6 512 777
-Basic iron and steel products	21 233 222	24 561 614	15,7	3 328 392
-Basic precious, non-ferrous metal products	15 052 195	15 512 980	3,1	460 785
-Fabricated metal products	18 138 344	19 654 276	8,4	1 515 932
-Machinery and equipment	17 781 034	18 988 701	6,8	1 207 667
Electrical machinery	9 969 981	11 141 212	11,7	1 171 231
Radio, television and communication apparatus and professional equipment	3 906 809	4 072 607	4,2	165 798
-Radio, television and communication apparatus	1 988 573	2 126 128	6,9	137 555
-Professional equipment	1 918 237	1 946 480	1,5	28 243
Motor vehicles, parts and accessories and other transport equipment	45 324 777	44 777 742	-1,2	-547 035
-Motor vehicles, trailers, parts and accessories	40 761 033	40 824 760	0,2	63 727
-Other transport equipment	4 563 745	3 952 981	-13,4	-610 764
Furniture and other manufacturing division	14 667 171	14 979 342	2,1	312 171
-Furniture	2 829 856	2 918 481	3,1	88 625
-Other manufacturing groups	11 837 315	12 060 861	1,9	223 546
Total	338 696 320	358 451 286	5,8	19 754 966

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



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Detailed results

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

Base: 2005=100

Month	2005	2006	2007	2008	2009	2010	2011
Jan	84,8	89,7	95,0	95,9	83,4	85,9	88,0
Feb	95,2	96,7	104,7	108,5	91,5	93,7	99,7
Mar	101,2	106,2	113,6	111,9	98,3	104,7	110,4
Apr	96,5	95,6	101,0	111,9	87,1	94,6	94,7
May	100,4	104,3	113,4	114,3	94,2	101,9	102,8
Jun	100,3	106,7	109,2	115,1	94,9	103,8	104,9
Jul	101,1	107,4	111,2	115,2	98,9	106,0	99,5
Aug	103,5	108,8	114,4	114,9	96,7	101,7	107,7
Sep	107,6	109,7	108,9	114,2	100,7	102,1	1/ 110,5
Oct	107,1	117,0	124,1	121,1	109,1	111,8	1/ 113,1
Nov	110,8	119,1	124,3	114,3	108,4	113,7	1/ 116,6
Dec	91,4	96,6	96,5	87,8	90,2	90,9	
Year	100,0	104,8	109,7	110,4	96,1	100,9	

1/ Preliminary.

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

Month	2005	2006	2007	2008	2009	2010	2011
Jan	2,4	5,8	5,9	0,9	-13,0	3,0	2,4
Feb	3,8	1,6	8,3	3,6	-15,7	2,4	6,4
Mar	0,0	4,9	7,0	-1,5	-12,2	6,5	5,4
Apr	8,3	-0,9	5,6	10,8	-22,2	8,6	0,1
May	1,6	3,9	8,7	0,8	-17,6	8,2	0,9
Jun	2,7	6,4	2,3	5,4	-17,5	9,4	1,1
Jul	1,0	6,2	3,5	3,6	-14,1	7,2	-6,1
Aug	3,2	5,1	5,1	0,4	-15,8	5,2	5,9
Sep	5,3	2,0	-0,7	4,9	-11,8	1,4	8,2
Oct	-1,0	9,2	6,1	-2,4	-9,9	2,5	1,2
Nov	3,3	7,5	4,4	-8,0	-5,2	4,9	2,6
Dec	5,1	5,7	-0,1	-9,0	2,7	0,8	
Year	2,9	4,8	4,7	0,6	-13,0	5,0	

2/ The annual percentage change is the change in the index of the physical volume of manufacturing production of the relevant month of the current year compared with the corresponding month of the previous year expressed as a percentage.

Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2005 – 2011

Base: 2005=100

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

Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups

Base: 2005=100

Manufacturing divisions and major groups	Weights 2005	Average for 2010	Actual indices			Seasonally adjusted indices		
			November 2010	1/ October 2011	1/ November 2011	November 2010	October 2011	November 2011
Food and beverages	15,4	116,5	127,1	136,3	137,9	114,0	120,9	123,5
-Meat, fish, fruit, etc.	1,8	115,4	127,7	125,1	134,4	119,8	123,2	125,4
-Dairy products	0,8	111,6	123,9	136,3	136,0	114,8	121,2	126,0
-Grain mill products	0,8	110,4	114,8	117,7	120,4	108,9	113,3	114,0
-Other food products	5,2	116,4	114,8	138,2	126,9	104,5	112,9	115,8
-Beverages	6,8	118,2	138,1	140,2	149,5	120,2	127,4	129,6
Textiles, clothing, leather and footwear	4,9	84,1	98,9	92,4	98,1	82,6	78,9	82,0
-Textiles	0,7	66,5	72,8	63,7	67,9	65,2	57,9	60,7
-Other textile products	0,9	73,1	86,3	84,3	85,8	72,5	72,1	72,2
-Knitted, crocheted articles	0,2	103,6	103,4	91,3	88,9	97,8	81,9	84,5
-Wearing apparel	2,1	86,5	104,7	95,5	99,6	83,9	80,1	79,7
-Leather and leather products	0,6	90,4	101,7	103,9	117,7	91,0	98,3	104,6
-Footwear	0,4	107,3	131,9	123,2	139,3	108,1	91,1	113,9
Wood and wood products, paper, publishing and printing	10,2	96,6	110,0	105,6	120,0	96,1	95,6	104,9
-Sawmilling and planing of wood	0,7	84,0	91,5	89,9	100,2	83,5	80,2	91,7
-Products of wood	1,3	87,7	105,2	100,6	106,3	89,6	89,8	90,3
-Paper and paper products	3,8	113,3	119,5	119,0	127,7	110,3	110,5	118,3
-Publishing	1,9	81,1	94,6	88,6	113,2	80,7	83,1	96,6
-Printing, recorded media	2,5	90,6	114,7	104,8	125,9	92,7	89,5	101,8
Petroleum, chemical products, rubber and plastic products	22,1	111,3	120,6	117,4	121,1	109,7	108,6	109,9
-Coke, petroleum products and nuclear fuel	8,5	92,8	84,7	73,1	75,5	86,0	75,5	77,1
-Basic chemicals	4,5	126,2	148,4	148,0	150,0	128,0	128,3	129,4
-Other chemical products	5,3	117,2	133,1	135,4	136,9	118,1	122,9	121,8
-Rubber products	1,0	82,5	99,6	103,7	123,8	88,5	97,5	109,8
-Plastic products	2,7	143,4	169,7	175,0	184,3	144,7	156,0	157,2
Glass and non-metallic mineral products	4,8	93,9	106,4	110,1	119,9	92,1	99,9	103,8
-Glass and glass products	1,0	120,7	149,5	130,4	161,9	115,1	113,0	124,0
-Non-metallic mineral products	3,8	87,2	95,6	105,0	109,4	86,3	96,6	98,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,3	96,1	100,9	100,5	89,3	92,5	93,4
-Basic iron and steel products	7,7	80,1	73,6	82,2	77,0	75,0	75,6	78,1
-Non-ferrous metal products	3,4	100,3	105,8	115,1	111,3	103,2	109,5	108,5
-Structural metal products	2,0	92,9	113,5	96,0	98,7	98,4	88,3	85,6
-Other fabricated metal products	3,8	106,4	129,9	127,0	137,5	110,8	115,4	117,0
-General purpose machinery	2,4	70,1	80,2	88,9	87,7	69,9	79,3	76,2
-Special purpose machinery	3,1	89,5	97,4	108,4	110,1	90,4	97,8	102,3
-Household appliances	0,6	98,4	115,3	121,9	116,5	100,5	107,6	101,9
Electrical machinery	2,5	127,7	145,1	139,3	152,7	130,3	130,2	137,1
Radio, television and communication apparatus and professional equipment	1,1	94,6	112,5	113,3	117,7	100,6	108,5	105,5
-Radio, television and communication apparatus	0,4	93,1	119,5	115,8	117,2	105,1	107,6	103,5
-Professional equipment	0,7	95,7	108,1	111,7	118,0	97,7	109,0	106,8
Motor vehicles, parts and accessories and other transport equipment	10,9	95,7	126,8	114,1	110,8	113,9	94,3	99,8
-Motor vehicles	4,9	85,5	128,4	108,9	100,5	112,9	83,5	89,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,9	137,8	153,3	162,0	114,4	128,5	134,4
-Parts and accessories	4,7	100,2	124,3	113,6	116,3	115,1	98,0	107,3
-Other transport equipment	0,9	115,0	126,1	124,7	112,3	113,1	115,7	100,2
Furniture and other manufacturing division	5,2	91,8	107,8	101,9	107,6	92,1	91,0	92,0
-Furniture	1,3	92,1	120,2	117,3	125,2	91,3	94,1	95,2
-Other manufacturing groups	3,9	91,7	103,6	96,8	101,7	92,4	90,0	90,9
Total	100,0	100,9	113,7	113,1	116,6	102,1	101,7	104,6

1/ Preliminary.

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

Base: 2005=100

Manufacturing divisions and major groups	Weights 2005	Average for 2010	Actual indices			Seasonally adjusted indices		
			November 2010	1/ November 2011	% change between November 2010 and November 2011	October 2011	November 2011	% change between October and November 2011
Food and beverages	15,4	116,5	127,1	137,9	8,5	120,9	123,5	2,2
-Meat, fish, fruit, etc.	1,8	115,4	127,7	134,4	5,2	123,2	125,4	1,8
-Dairy products	0,8	111,6	123,9	136,0	9,8	121,2	126,0	4,0
-Grain mill products	0,8	110,4	114,8	120,4	4,9	113,3	114,0	0,6
-Other food products	5,2	116,4	114,8	126,9	10,5	112,9	115,8	2,6
-Beverages	6,8	118,2	138,1	149,5	8,3	127,4	129,6	1,7
Textiles, clothing, leather and footwear	4,9	84,1	98,9	98,1	-0,8	78,9	82,0	3,9
-Textiles	0,7	66,5	72,8	67,9	-6,7	57,9	60,7	4,8
-Other textile products	0,9	73,1	86,3	85,8	-0,6	72,1	72,2	0,1
-Knitted, crocheted articles	0,2	103,6	103,4	88,9	-14,0	81,9	84,5	3,2
-Wearing apparel	2,1	86,5	104,7	99,6	-4,9	80,1	79,7	-0,5
-Leather and leather products	0,6	90,4	101,7	117,7	15,7	98,3	104,6	6,4
-Footwear	0,4	107,3	131,9	139,3	5,6	91,1	113,9	25,0
Wood and wood products, paper, publishing and printing	10,2	96,6	110,0	120,0	9,1	95,6	104,9	9,7
-Sawmilling and planing of wood	0,7	84,0	91,5	100,2	9,5	80,2	91,7	14,3
-Products of wood	1,3	87,7	105,2	106,3	1,0	89,8	90,3	0,6
-Paper and paper products	3,8	113,3	119,5	127,7	6,9	110,5	118,3	7,1
-Publishing	1,9	81,1	94,6	113,2	19,7	83,1	96,6	16,2
-Printing, recorded media	2,5	90,6	114,7	125,9	9,8	89,5	101,8	13,7
Petroleum, chemical products, rubber and plastic products	22,1	111,3	120,6	121,1	0,4	108,6	109,9	1,2
-Coke, petroleum products and nuclear fuel	8,5	92,8	84,7	75,5	-10,9	75,5	77,1	2,1
-Basic chemicals	4,5	126,2	148,4	150,0	1,1	128,3	129,4	0,9
-Other chemical products	5,3	117,2	133,1	136,9	2,9	122,9	121,8	-0,9
-Rubber products	1,0	82,5	99,6	123,8	24,3	97,5	109,8	12,6
-Plastic products	2,7	143,4	169,7	184,3	8,6	156,0	157,2	0,8
Glass and non-metallic mineral products	4,8	93,9	106,4	119,9	12,7	99,9	103,8	3,9
-Glass and glass products	1,0	120,7	149,5	161,9	8,3	113,0	124,0	9,7
-Non-metallic mineral products	3,8	87,2	95,6	109,4	14,4	96,6	98,8	2,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,3	96,1	100,5	4,6	92,5	93,4	1,0
-Basic iron and steel products	7,7	80,1	73,6	77,0	4,6	75,6	78,1	3,3
-Non-ferrous metal products	3,4	100,3	105,8	111,3	5,2	109,5	108,5	-0,9
-Structural metal products	2,0	92,9	113,5	98,7	-13,0	88,3	85,6	-3,1
-Other fabricated metal products	3,8	106,4	129,9	137,5	5,9	115,4	117,0	1,4
-General purpose machinery	2,4	70,1	80,2	87,7	9,4	79,3	76,2	-3,9
-Special purpose machinery	3,1	89,5	97,4	110,1	13,0	97,8	102,3	4,6
-Household appliances	0,6	98,4	115,3	116,5	1,0	107,6	101,9	-5,3
Electrical machinery	2,5	127,7	145,1	152,7	5,2	130,2	137,1	5,3
Radio, television and communication apparatus and professional equipment	1,1	94,6	112,5	117,7	4,6	108,5	105,5	-2,8
-Radio, television and communication apparatus	0,4	93,1	119,5	117,2	-1,9	107,6	103,5	-3,8
-Professional equipment	0,7	95,7	108,1	118,0	9,2	109,0	106,8	-2,0
Motor vehicles, parts and accessories and other transport equipment	10,9	95,7	126,8	110,8	-12,6	94,3	99,8	5,8
-Motor vehicles	4,9	85,5	128,4	100,5	-21,7	83,5	89,2	6,8
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,9	137,8	162,0	17,6	128,5	134,4	4,6
-Parts and accessories	4,7	100,2	124,3	116,3	-6,4	98,0	107,3	9,5
-Other transport equipment	0,9	115,0	126,1	112,3	-10,9	115,7	100,2	-13,4
Furniture and other manufacturing division	5,2	91,8	107,8	107,6	-0,2	91,0	92,0	1,1
-Furniture	1,3	92,1	120,2	125,2	4,2	94,1	95,2	1,2
-Other manufacturing groups	3,9	91,7	103,6	101,7	-1,8	90,0	90,9	1,0
Total	100,0	100,9	113,7	116,6	2,6	101,7	104,6	2,9

1/ Preliminary.

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

Month	2005	2006	2007	2008	2009	2010	2011
Jan	60 642 593	67 351 678	81 459 988	91 280 084	85 793 294	86 836 064	92 863 625
Feb	70 167 086	74 930 635	93 134 142	108 137 770	97 350 713	97 825 640	107 158 143
Mar	74 589 427	83 169 373	100 113 755	114 652 520	105 127 970	110 232 624	121 108 364
Apr	73 611 723	74 690 973	90 606 196	116 896 823	90 156 553	97 707 572	103 921 168
May	75 830 084	83 925 122	101 641 507	120 173 410	96 487 420	105 089 142	113 377 474
Jun	77 338 913	87 683 125	98 764 796	124 811 522	98 161 671	109 279 984	117 502 258
Jul	77 298 647	88 860 703	99 325 320	128 335 265	99 715 325	108 621 205	108 591 835
Aug	79 781 239	92 520 358	104 978 175	126 167 640	100 731 886	106 288 802	119 985 649
Sep	82 859 539	94 724 833	100 538 717	125 588 533	104 781 622	108 523 831	1/ 127 892 291
Oct	82 759 631	99 968 405	113 462 255	131 772 450	109 759 231	116 804 203	1/ 128 400 909
Nov	86 473 327	103 494 740	116 007 502	122 615 454	111 844 877	121 292 114	1/ 133 464 407
Dec	73 429 961	82 554 715	91 954 469	95 903 778	95 002 438	99 664 494	
Year	914 782 170	1 033 874 660	1 191 986 822	1 406 335 249	1 194 913 000	1 268 165 675	

1/ Preliminary.

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

Month	2005	2006	2007	2008	2009	2010	2011
Jan	4,6	11,1	20,9	12,1	-6,0	1,2	6,9
Feb	3,8	6,8	24,3	16,1	-10,0	0,5	9,5
Mar	0,4	11,5	20,4	14,5	-8,3	4,9	9,9
Apr	11,0	1,5	21,3	29,0	-22,9	8,4	6,4
May	4,8	10,7	21,1	18,2	-19,7	8,9	7,9
Jun	7,0	13,4	12,6	26,4	-21,4	11,3	7,5
Jul	6,1	15,0	11,8	29,2	-22,3	8,9	0,0
Aug	8,6	16,0	13,5	20,2	-20,2	5,5	12,9
Sep	7,8	14,3	6,1	24,9	-16,6	3,6	17,8
Oct	4,4	20,8	13,5	16,1	-16,7	6,4	9,9
Nov	6,1	19,7	12,1	5,7	-8,8	8,4	10,0
Dec	9,7	12,4	11,4	4,3	-0,9	4,9	
Year	6,1	13,0	15,3	18,0	-15,0	6,1	

2/ The annual percentage change is the change in the sales of the manufacturing industry of the relevant month of the current year compared with the sales of the corresponding month of the previous year expressed as a percentage.

Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2005 – 2011

Month	2005	2006	2007	2008	2009	2010	2011
Jan	72 007 123	80 102 547	96 838 429	108 359 069	102 464 869	103 587 495	110 587 808
Feb	73 065 785	78 211 813	97 523 228	113 608 625	101 999 384	102 417 219	112 494 007
Mar	72 740 880	81 062 105	97 242 595	111 266 899	101 571 395	105 962 956	116 587 381
Apr	78 231 329	79 675 954	96 944 733	125 328 999	96 908 925	105 266 156	111 970 489
May	75 526 104	83 654 792	101 163 613	119 456 663	96 791 314	105 373 717	113 662 414
Jun	76 297 516	86 238 746	96 785 296	121 766 769	96 183 455	106 894 692	114 885 972
Jul	76 129 335	87 179 487	97 251 144	125 028 712	97 648 568	106 315 857	106 289 092
Aug	77 358 250	89 428 552	101 542 717	121 842 151	97 934 710	103 904 655	117 521 256
Sep	78 587 860	89 703 086	95 285 184	118 954 679	99 180 709	102 388 337	120 546 575
Oct	75 383 406	90 948 274	103 067 430	119 746 126	99 905 205	106 420 430	117 373 379
Nov	77 592 400	93 199 470	104 570 774	110 538 425	100 835 756	109 175 753	120 531 332
Dec	81 374 199	92 552 536	103 216 233	106 417 199	104 760 830	110 109 697	

Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000)

Manufacturing divisions and major groups	Year 2010	Actual values			Seasonally adjusted values		
		November 2010	October 2011	1/ November 2011	November 2010	October 2011	November 2011
Food and beverages	248 528 861	23 546 607	24 873 181	26 579 317	21 268 925	23 400 621	23 987 458
-Meat, fish, fruit, etc.	67 147 429	6 357 878	6 821 858	7 161 582	5 850 180	6 562 902	6 567 112
-Dairy products	22 395 405	2 070 020	2 200 061	2 329 027	1 922 754	2 044 970	2 161 837
-Grain mill products	41 968 004	3 805 609	4 296 795	4 421 363	3 541 354	4 091 186	4 107 378
-Other food products	55 507 821	5 271 348	5 361 258	6 063 783	4 570 303	4 904 296	5 274 716
-Beverages	61 510 202	6 041 752	6 193 209	6 603 562	5 384 333	5 797 267	5 876 415
Textiles, clothing, leather and footwear	39 304 498	3 937 336	3 731 468	3 951 590	3 254 614	3 212 321	3 274 592
-Textiles	4 434 749	419 035	395 829	424 328	373 496	363 968	378 712
-Other textile products	11 285 992	1 102 714	1 115 298	1 125 965	925 701	952 129	947 904
-Knitted, crocheted articles	1 789 747	151 322	142 873	149 193	142 878	131 122	141 717
-Wearing apparel	14 242 260	1 451 899	1 278 571	1 378 541	1 156 840	1 096 813	1 100 012
-Leather and leather products	3 889 005	369 588	404 351	414 903	338 030	364 704	377 958
-Footwear	3 662 745	442 778	394 546	458 660	317 670	303 584	328 288
Wood and wood products, paper, publishing and printing	106 468 918	10 177 965	9 856 872	11 404 983	8 884 841	9 019 162	9 964 211
-Sawmilling and planing of wood	7 812 905	693 009	739 565	809 347	631 777	645 275	742 508
-Products of wood	14 991 913	1 497 133	1 455 972	1 587 845	1 279 523	1 306 739	1 355 429
-Paper and paper products	47 058 025	4 263 182	4 243 691	4 741 762	3 885 855	4 031 061	4 329 491
-Publishing	15 802 072	1 519 286	1 434 840	1 797 981	1 309 161	1 331 380	1 549 953
-Printing, recorded media	20 804 003	2 205 355	1 982 804	2 468 048	1 778 524	1 704 707	1 986 830
Petroleum, chemical products, rubber and plastic products	280 737 508	25 940 276	30 379 467	30 546 993	23 681 232	27 836 184	28 209 556
-Coke, petroleum products and nuclear fuel	96 580 234	7 588 712	10 771 242	10 158 581	7 910 320	10 450 770	10 676 170
-Basic chemicals	60 460 303	6 011 727	7 013 088	6 916 987	5 182 666	6 047 434	5 956 666
-Other chemical products	69 496 277	6 868 468	6 780 847	7 161 822	5 925 333	6 104 422	6 182 234
-Rubber products	12 022 322	1 209 942	1 307 275	1 603 492	1 077 353	1 249 882	1 431 350
-Plastic products	42 178 372	4 261 427	4 507 015	4 706 111	3 585 560	3 983 676	3 963 137
Glass and non-metallic mineral products	40 233 221	4 027 583	4 025 596	4 388 296	3 433 118	3 588 391	3 744 067
-Glass and glass products	6 779 588	815 801	687 041	820 263	597 651	573 183	596 647
-Non-metallic mineral products	33 453 633	3 211 782	3 338 555	3 568 033	2 835 467	3 015 208	3 147 420
Basic iron and steel, non-ferrous metal products, metal products and machinery	283 445 050	26 659 681	28 427 253	29 405 969	24 688 799	25 848 785	27 207 659
-Basic iron and steel products	94 329 950	8 483 883	8 528 910	9 420 836	8 484 450	7 687 408	9 407 952
-Non-ferrous metal products	50 105 316	4 903 146	5 852 974	5 051 168	4 522 700	5 474 332	4 665 408
-Structural metal products	26 008 715	2 603 308	2 517 427	2 664 971	2 280 113	2 274 178	2 335 330
-Other fabricated metal products	45 003 323	4 453 840	4 539 394	5 183 315	3 776 235	4 093 688	4 387 328
-General purpose machinery	28 248 527	2 666 931	3 002 291	3 047 949	2 347 312	2 688 251	2 674 085
-Special purpose machinery	30 812 487	2 684 121	3 065 913	3 127 628	2 530 667	2 838 393	2 947 076
-Household appliances	8 936 732	864 452	920 344	910 102	747 323	792 535	790 480
-Electrical machinery	39 093 760	3 719 477	3 744 203	4 124 166	3 371 018	3 602 357	3 738 214
Radio, television and communication apparatus and professional equipment	13 828 914	1 290 963	1 376 453	1 443 834	1 160 312	1 318 613	1 300 844
-Radio, television and communication apparatus	6 843 071	678 969	731 731	741 866	585 243	683 687	638 727
-Professional equipment	6 985 843	611 994	644 722	701 968	575 069	634 926	662 118
Motor vehicles, parts and accessories and other transport equipment	161 650 617	17 055 468	16 643 859	16 043 569	14 886 385	14 525 072	13 978 208
-Motor vehicles	82 269 350	9 018 042	8 528 749	7 909 611	7 630 708	7 362 575	6 669 803
-Bodies for motor vehicles, trailers and semi-trailers	7 611 222	766 430	847 109	905 626	626 553	717 755	741 240
-Parts and accessories	56 427 275	5 859 213	5 787 475	5 886 205	5 351 994	5 078 612	5 358 010
-Other transport equipment	15 342 770	1 411 783	1 480 526	1 342 127	1 277 130	1 366 130	1 209 155
Furniture and other manufacturing division	54 874 328	4 936 758	5 342 557	5 575 690	4 546 509	5 021 874	5 126 522
-Furniture	10 639 747	1 207 888	1 212 694	1 323 139	899 749	959 298	988 075
-Other manufacturing groups	44 234 581	3 728 870	4 129 863	4 252 551	3 646 761	4 062 576	4 138 447
Total	1 268 165 675	121 292 114	128 400 909	133 464 407	109 175 753	117 373 379	120 531 332

1/ Preliminary.

Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) (concluded)

Manufacturing divisions and major groups	Year 2010	Actual values			Seasonally adjusted values		
		November 2010	1/ November 2011	% change between November 2010 and November 2011	October 2011	November 2011	% change between October and November 2011
Food and beverages	248 528 861	23 546 607	26 579 317	12,9	23 400 621	23 987 458	2,5
-Meat, fish, fruit, etc.	67 147 429	6 357 878	7 161 582	12,6	6 562 902	6 567 112	0,1
-Dairy products	22 395 405	2 070 020	2 329 027	12,5	2 044 970	2 161 837	5,7
-Grain mill products	41 968 004	3 805 609	4 421 363	16,2	4 091 186	4 107 378	0,4
-Other food products	55 507 821	5 271 348	6 063 783	15,0	4 904 296	5 274 716	7,6
-Beverages	61 510 202	6 041 752	6 603 562	9,3	5 797 267	5 876 415	1,4
Textiles, clothing, leather and footwear	39 304 498	3 937 336	3 951 590	0,4	3 212 321	3 274 592	1,9
-Textiles	4 434 749	419 035	424 328	1,3	363 968	378 712	4,1
-Other textile products	11 285 992	1 102 714	1 125 965	2,1	952 129	947 904	-0,4
-Knitted, crocheted articles	1 789 747	151 322	149 193	-1,4	131 122	141 717	8,1
-Wearing apparel	14 242 260	1 451 899	1 378 541	-5,1	1 096 813	1 100 012	0,3
-Leather and leather products	3 889 005	369 588	414 903	12,3	364 704	377 958	3,6
-Footwear	3 662 745	442 778	458 660	3,6	303 584	328 288	8,1
Wood and wood products, paper, publishing and printing	106 468 918	10 177 965	11 404 983	12,1	9 019 162	9 964 211	10,5
-Sawmilling and planing of wood	7 812 905	693 009	809 347	16,8	645 275	742 508	15,1
-Products of wood	14 991 913	1 497 133	1 587 845	6,1	1 306 739	1 355 429	3,7
-Paper and paper products	47 058 025	4 263 182	4 741 762	11,2	4 031 061	4 329 491	7,4
-Publishing	15 802 072	1 519 286	1 797 981	18,3	1 331 380	1 549 953	16,4
-Printing, recorded media	20 804 003	2 205 355	2 468 048	11,9	1 704 707	1 986 830	16,5
Petroleum, chemical products, rubber and plastic products	280 737 508	25 940 276	30 546 993	17,8	27 836 184	28 209 556	1,3
-Coke, petroleum products and nuclear fuel	96 580 234	7 588 712	10 158 581	33,9	10 450 770	10 676 170	2,2
-Basic chemicals	60 460 303	6 011 727	6 916 987	15,1	6 047 434	5 956 666	-1,5
-Other chemical products	69 496 277	6 868 468	7 161 822	4,3	6 104 422	6 182 234	1,3
-Rubber products	12 022 322	1 209 942	1 603 492	32,5	1 249 882	1 431 350	14,5
-Plastic products	42 178 372	4 261 427	4 706 111	10,4	3 983 676	3 963 137	-0,5
Glass and non-metallic mineral products	40 233 221	4 027 583	4 388 296	9,0	3 588 391	3 744 067	4,3
-Glass and glass products	6 779 588	815 801	820 263	0,5	573 183	596 647	4,1
-Non-metallic mineral products	33 453 633	3 211 782	3 568 033	11,1	3 015 208	3 147 420	4,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	283 445 050	26 659 681	29 405 969	10,3	25 848 785	27 207 659	5,3
-Basic iron and steel products	94 329 950	8 483 883	9 420 836	11,0	7 687 408	9 407 952	22,4
-Non-ferrous metal products	50 105 316	4 903 146	5 051 168	3,0	5 474 332	4 665 408	-14,8
-Structural metal products	26 008 715	2 603 308	2 664 971	2,4	2 274 178	2 335 330	2,7
-Other fabricated metal products	45 003 323	4 453 840	5 183 315	16,4	4 093 688	4 387 328	7,2
-General purpose machinery	28 248 527	2 666 931	3 047 949	14,3	2 688 251	2 674 085	-0,5
-Special purpose machinery	30 812 487	2 684 121	3 127 628	16,5	2 838 393	2 947 076	3,8
-Household appliances	8 936 732	864 452	910 102	5,3	792 535	790 480	-0,3
Electrical machinery	39 093 760	3 719 477	4 124 166	10,9	3 602 357	3 738 214	3,8
Radio, television and communication apparatus and professional equipment	13 828 914	1 290 963	1 443 834	11,8	1 318 613	1 300 844	-1,3
-Radio, television and communication apparatus	6 843 071	678 969	741 866	9,3	683 687	638 727	-6,6
-Professional equipment	6 985 843	611 994	701 968	14,7	634 926	662 118	4,3
Motor vehicles, parts and accessories and other transport equipment	161 650 617	17 055 468	16 043 569	-5,9	14 525 072	13 978 208	-3,8
-Motor vehicles	82 269 350	9 018 042	7 909 611	-12,3	7 362 575	6 669 803	-9,4
-Bodies for motor vehicles, trailers and semi-trailers	7 611 222	766 430	905 626	18,2	717 755	741 240	3,3
-Parts and accessories	56 427 275	5 859 213	5 886 205	0,5	5 078 612	5 358 010	5,5
-Other transport equipment	15 342 770	1 411 783	1 342 127	-4,9	1 366 130	1 209 155	-11,5
Furniture and other manufacturing division	54 874 328	4 936 758	5 575 690	12,9	5 021 874	5 126 522	2,1
-Furniture	10 639 747	1 207 888	1 323 139	9,5	959 298	988 075	3,0
-Other manufacturing groups	44 234 581	3 728 870	4 252 551	14,0	4 062 576	4 138 447	1,9
Total	1 268 165 675	121 292 114	133 464 407	10,0	117 373 379	120 531 332	2,7

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. 2010	Sep. to Nov. 2011	% change between Sep. to Nov. 2010 and Sep. to Nov. 2011	Sep. to Nov. 2010	Sep. to Nov. 2011	% change between Sep. to Nov. 2010 and Sep. to Nov. 2011
Food and beverages	15,4	129,1	134,9	4,5	67 231 204	75 826 128	12,8
-Meat, fish, fruit, etc.	1,8	121,2	127,8	5,4	18 020 428	20 754 408	15,2
-Dairy products	0,8	122,0	133,7	9,6	6 011 466	6 685 102	11,2
-Grain mill products	0,8	116,7	118,0	1,1	11 173 529	12 935 976	15,8
-Other food products	5,2	132,9	132,7	-0,2	15 055 476	16 710 031	11,0
-Beverages	6,8	130,7	140,6	7,6	16 970 305	18 740 611	10,4
Textiles, clothing, leather and footwear	4,9	93,8	92,9	-1,0	10 933 086	11 242 572	2,8
-Textiles	0,7	70,2	64,0	-8,8	1 196 437	1 195 485	-0,1
-Other textile products	0,9	80,5	84,2	4,6	3 056 699	3 316 084	8,5
-Knitted, crocheted articles	0,2	101,6	85,9	-15,5	435 370	423 341	-2,8
-Wearing apparel	2,1	99,2	94,7	-4,5	4 035 920	3 873 240	-4,0
-Leather and leather products	0,6	92,8	105,8	14,0	1 045 056	1 196 988	14,5
-Footwear	0,4	131,6	131,7	0,1	1 163 604	1 237 434	6,3
Wood and wood products, paper, publishing and printing	10,2	106,5	110,9	4,1	29 493 395	31 671 608	7,4
-Sawmilling and planing of wood	0,7	90,9	95,0	4,5	2 181 485	2 342 091	7,4
-Products of wood	1,3	99,1	100,6	1,5	4 269 002	4 472 084	4,8
-Paper and paper products	3,8	120,9	125,5	3,8	12 728 469	13 905 050	9,2
-Publishing	1,9	88,9	95,2	7,1	4 262 996	4 605 311	8,0
-Printing, recorded media	2,5	105,9	109,8	3,7	6 051 443	6 347 072	4,9
Petroleum, chemical products, rubber and plastic products	22,1	116,7	117,6	0,8	76 298 102	90 972 991	19,2
-Coke, petroleum products and nuclear fuel	8,5	90,2	74,3	-17,6	24 373 763	32 304 602	32,5
-Basic chemicals	4,5	134,6	145,4	8,0	17 465 980	20 333 831	16,4
-Other chemical products	5,3	128,9	136,2	5,7	19 540 932	20 657 846	5,7
-Rubber products	1,0	81,8	113,1	38,3	3 073 940	4 296 314	39,8
-Plastic products	2,7	158,3	172,9	9,2	11 843 487	13 380 398	13,0
Glass and non-metallic mineral products	4,8	103,9	112,4	8,2	11 462 547	12 480 278	8,9
-Glass and glass products	1,0	142,2	138,6	-2,5	2 168 405	2 196 774	1,3
-Non-metallic mineral products	3,8	94,3	105,8	12,2	9 294 142	10 283 504	10,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	93,6	99,2	6,0	77 351 544	85 663 901	10,7
-Basic iron and steel products	7,7	76,2	77,7	2,0	24 953 184	26 050 792	4,4
-Non-ferrous metal products	3,4	106,7	113,3	6,2	14 417 445	16 906 026	17,3
-Structural metal products	2,0	104,2	97,7	-6,2	7 270 381	7 750 201	6,6
-Other fabricated metal products	3,8	118,2	128,5	8,7	12 398 325	14 090 999	13,7
-General purpose machinery	2,4	77,8	86,3	10,9	7 769 668	8 920 771	14,8
-Special purpose machinery	3,1	94,0	108,5	15,4	7 992 670	9 278 288	16,1
-Household appliances	0,6	111,2	118,4	6,5	2 549 871	2 666 824	4,6
Electrical machinery	2,5	138,8	148,0	6,6	10 552 749	12 026 438	14,0
Radio, television and communication apparatus and professional equipment	1,1	103,4	120,4	16,4	3 714 821	4 408 083	18,7
-Radio, television and communication apparatus	0,4	101,6	126,1	24,1	1 849 546	2 355 526	27,4
-Professional equipment	0,7	104,7	116,7	11,5	1 865 275	2 052 557	10,0
Motor vehicles, parts and accessories and other transport equipment	10,9	108,7	113,7	4,6	45 212 370	49 541 369	9,6
-Motor vehicles	4,9	104,2	107,7	3,4	23 172 393	25 437 756	9,8
-Bodies for motor vehicles, trailers and semi-trailers	0,5	132,7	153,9	16,0	2 150 516	2 553 070	18,7
-Parts and accessories	4,7	107,4	115,7	7,7	15 649 759	17 436 584	11,4
-Other transport equipment	0,9	126,2	115,3	-8,6	4 239 702	4 113 959	-3,0
Furniture and other manufacturing division	5,2	100,0	100,7	0,7	14 370 330	15 924 239	10,8
-Furniture	1,3	111,0	115,0	3,6	3 268 899	3 568 110	9,2
-Other manufacturing groups	3,9	96,3	96,0	-0,3	11 101 431	12 356 129	11,3
Total	100,0	109,2	113,4	3,8	346 620 148	389 757 607	12,4

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. 2010	Jan. to Nov. 2011	% change between 2010 and 2011	Contribution (% points)	Jan. to Nov. 2010	Jan. to Nov. 2011	% change between 2010 and 2011	Difference in sales between 2010 and 2011
Food and beverages	15,4	114,8	117,7	2,5	0,4	223 661	243 148	8,7	19 487
-Meat, fish, fruit, etc.	1,8	114,3	119,4	4,5	0,1	60 606	67 641	11,6	7 035
-Dairy products	0,8	109,9	116,6	6,1	0,1	20 266	21 597	6,6	1 331
-Grain mill products	0,8	110,7	109,0	-1,5	0,0	38 481	42 156	9,6	3 675
-Other food products	5,2	117,0	116,8	-0,2	0,0	50 509	54 111	7,1	3 602
-Beverages	6,8	114,2	119,1	4,3	0,3	53 798	57 644	7,1	3 846
Textiles, clothing, leather and footwear	4,9	85,9	83,2	-3,1	-0,1	36 666	36 284	-1,0	-382
-Textiles	0,7	68,6	61,8	-9,9	0,0	4 184	4 147	-0,9	-37
-Other textile products	0,9	74,8	74,3	-0,7	0,0	10 559	10 572	0,1	13
-Knitted, crocheted articles	0,2	106,3	93,5	-12,0	0,0	1 683	1 600	-4,9	-83
-Wearing apparel	2,1	88,2	83,9	-4,9	-0,1	13 210	12 452	-5,7	-758
-Leather and leather products	0,6	91,3	96,8	6,0	0,0	3 630	3 989	9,9	359
-Footwear	0,4	109,9	109,3	-0,5	0,0	3 400	3 524	3,6	124
Wood and wood products, paper, publishing and printing	10,2	97,2	97,7	0,5	0,1	98 101	101 530	3,5	3 429
-Sawmilling and planing of wood	0,7	85,6	88,2	3,0	0,0	7 270	7 701	5,9	431
-Products of wood	1,3	88,8	89,7	1,0	0,0	13 918	14 508	4,2	590
-Paper and paper products	3,8	113,4	110,5	-2,6	-0,1	43 092	44 267	2,7	1 175
-Publishing	1,9	81,7	85,0	4,0	0,1	14 567	15 147	4,0	580
-Printing, recorded media	2,5	91,4	94,2	3,1	0,1	19 253	19 906	3,4	653
Petroleum, chemical products, rubber and plastic products	22,1	112,5	113,7	1,1	0,3	259 277	300 192	15,8	40 915
-Coke, petroleum products and nuclear fuel	8,5	93,8	89,5	-4,6	-0,4	89 713	115 279	28,5	25 566
-Basic chemicals	4,5	127,5	132,0	3,5	0,2	55 353	63 124	14,0	7 771
-Other chemical products	5,3	118,0	121,2	2,7	0,2	63 952	66 575	4,1	2 623
-Rubber products	1,0	84,6	100,3	18,6	0,2	11 177	13 587	21,6	2 410
-Plastic products	2,7	145,4	149,2	2,6	0,1	39 081	41 627	6,5	2 546
Glass and non-metallic mineral products	4,8	95,2	98,3	3,3	0,1	37 401	39 583	5,8	2 182
-Glass and glass products	1,0	121,3	118,3	-2,5	0,0	6 189	6 495	4,9	306
-Non-metallic mineral products	3,8	88,7	93,3	5,2	0,2	31 212	33 088	6,0	1 876
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	90,6	92,8	2,4	0,5	263 514	283 534	7,6	20 020
-Basic iron and steel products	7,7	81,8	79,2	-3,2	-0,2	88 097	90 872	3,1	2 775
-Non-ferrous metal products	3,4	100,4	109,8	9,4	0,3	46 066	56 751	23,2	10 685
-Structural metal products	2,0	94,7	91,5	-3,4	-0,1	24 267	25 480	5,0	1 213
-Other fabricated metal products	3,8	108,8	114,3	5,1	0,2	42 194	44 322	5,0	2 128
-General purpose machinery	2,4	70,7	73,5	4,0	0,1	26 156	27 373	4,7	1 217
-Special purpose machinery	3,1	90,0	95,2	5,8	0,2	28 374	30 213	6,5	1 839
-Household appliances	0,6	100,8	103,3	2,5	0,0	8 359	8 523	2,0	164
-Electrical machinery	2,5	129,4	132,8	2,6	0,1	36 333	38 836	6,9	2 503
Radio, television and communication apparatus and professional equipment	1,1	95,1	106,4	11,9	0,1	12 597	14 038	11,4	1 441
-Radio, television and communication apparatus	0,4	92,5	105,1	13,6	0,0	6 139	7 029	14,5	890
-Professional equipment	0,7	96,9	107,3	10,7	0,1	6 457	7 009	8,5	552
Motor vehicles, parts and accessories and other transport equipment	10,9	98,2	106,7	8,7	0,9	150 793	162 640	7,9	11 847
-Motor vehicles	4,9	88,1	100,5	14,1	0,6	76 449	80 276	5,0	3 827
-Bodies for motor vehicles, trailers and semi-trailers	0,5	121,3	130,8	7,8	0,0	7 069	7 786	10,1	717
-Parts and accessories	4,7	102,8	108,0	5,1	0,2	53 093	59 074	11,3	5 981
-Other transport equipment	0,9	116,1	120,2	3,5	0,0	14 182	15 504	9,3	1 322
Furniture and other manufacturing division	5,2	93,4	95,6	2,4	0,1	50 159	54 481	8,6	4 322
-Furniture	1,3	93,3	95,2	2,0	0,0	9 826	10 704	8,9	878
-Other manufacturing groups	3,9	93,5	95,7	2,4	0,1	40 333	43 777	8,5	3 444
Total	100,0	101,8	104,4	2,6	2,6	1 168 501	1 274 266	9,1	105 765

1/ The contribution (percentage points) of a major group or division is calculated by multiplying the difference in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. Figures have been rounded off.

Explanatory notes

- Introduction**
- 1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the Business Register (BR), with enhanced coverage of South African businesses (see 4 below). The release contains monthly indices of the physical volume of manufacturing production and monthly value of sales of manufactured products by divisions and major groups within manufacturing.
 - 2 In accordance with international practice, the indices are re-based every five years to a new base year. The base period of the index is 2005. Both estimated and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the latest month had to be estimated for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information becomes available.
 - 4 As indicated earlier, Stats SA is continuously updating its BR, based on units registered for value added tax (VAT) and income tax (IT), obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate indices of the physical volume of manufacturing production. These indices provide an indicator of the real level of manufacturing activity in the economy. They are used in monitoring the state of the economy and formulation of economic policy. They are also important inputs to 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 2011 was 86,6%. Improved response rate for October 2011 was 93,7%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

Survey methodology and design

- 11** The survey is conducted monthly. Questionnaires are sent to a sample of 3 029 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up non-respondents.
- 12** The value of sales of manufactured products is obtained monthly from the sample of 3 029 enterprises, which was drawn in April 2011 from a population then of 51 805 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, and for size groups three and four (small) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size groups two, three and four of that major group to reflect the total value of sales of the major group.
- 13** The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the Production Price Index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 14** More direct indicators are used for the value of production of tobacco, coke and refined petroleum products, basic iron and steel products, basic precious and non-ferrous metal products, motor vehicles and parts and accessories for motor vehicles. The volume indices for these major groups are calculated on the basis of physical quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

Weighting methodology

- 15** For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures, which are in line with international best practice, are described in more detail on the Stats SA website at www.statssa.gov.za/publications/publicationsearch.asp
- 16** For indices, a weight is calculated for every major group according to the value added of the major group relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing or large sample survey of the manufacturing industry. For the period 1998 to 2000, the weights are based on the 1996 Census of Manufacturing. For the period 2001 to 2004, the weights are based on the 2001 large sample survey of the manufacturing industry (LSS) and for the period 2005 to 2011, the weights are based on the 2005 LSS. Weights between census / LSS years are fixed. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total physical volume of manufacturing production (see Table D for the fixed weights which were used for the three periods 1998 to 2000, 2001 to 2004 and 2005 to 2011).

Seasonal adjustment

- 17** Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.

- Trend cycle** 18 The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.
- Reliability of estimates** 19 Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.
- 20 Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.
- Revised figures** 21 Revised figures are due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures are indicated in the relevant tables. Data are edited at the enterprise level.
- Related publications** 22 Users may also wish to refer to the following publications available from Stats SA -
- *Bulletin of Statistics* issued quarterly.
 - *SA Statistics* issued annually.
- Rounding-off of figures** 23 Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.
- Pre-release policy** 24 Stats SA's pre-release policy may be inspected at its website, www.statssa.gov.za
- Symbols and abbreviations** 25
- | | |
|----------|---|
| BR | Business Register |
| GDP | Gross domestic product |
| ISIC | International Standard Industrial Classification |
| LSS | Large sample survey |
| m | Million |
| SIC | Standard Industrial Classification of all Economic Activities |
| SARS | South African Revenue Service |
| Stats SA | Statistics South Africa |
| VAT | Value added tax |
| * | Revised figures |

Technical notes**26 Neyman optimal allocation**

Before drawing a sample in the survey the population of enterprises on the BSF was stratified. Strata were formed using a combination of Standard Industrial Classification variable and the measure of size variable for enterprises. The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below.

$$n_h = \frac{N_h S_h}{\sum N_h S_h}$$

N_h and S_h are the stratum population size and the stratum variance respectively.

Class limits: Manufacturing

Enterprise size	Lower limits	Upper limits
Very small	0	15 000 000
Small	15 000 001	39 000 000
Medium	39 000 001	153 000 000
Large	153 000 001	

Glossary

Enterprise	The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.
Index of physical volume of manufacturing production	The index of physical volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The base period is 2005. The production in the base period is set at 100.
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts (SNA)</i> in the same way as in the <i>1993 Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).
Intermediate consumption	Intermediate consumption includes - <ul style="list-style-type: none">• purchases and transfers-in of materials;• payments to other establishments for work done;• other direct factory costs;• rent and leasing paid;• head office charges;• royalties, copyright, trade names and patent rights paid;• advertising;• insurance premiums;• services; and• secretarial and administrative fees.
Output	Output is the aggregate value of goods manufactured and work done and includes - <ul style="list-style-type: none">• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;• repairs;• installation, erection and assembly;• sundry trading revenue;• sales of factored goods minus purchases of factored goods;• rent and leasing received;• royalties received;• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;• head office charges; and• other revenue. Output excludes excise and customs duty paid.
Value added	Value added is the value of output less intermediate consumption. It represents the value added to the cost of the materials used in the process of production.
Sales	Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.
Turnover	Turnover refers to - <ul style="list-style-type: none">• the value of sales and transfers out of all own manufactured products/articles;• amounts received for work done; and• amounts received for services rendered.

Turnover excludes -

- 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	Weights according to the 2001 LSS of the manufacturing industry	Weights according to the 2005 LSS of the manufacturing industry
	1998 – 2000	2001 – 2004	2005 – 2011
Food and beverages	15,3	16,4	15,4
-Meat, fish, fruit, etc.	2,8	2,6	1,8
-Dairy products	1,4	1,1	0,8
-Grain mill products	2,1	1,5	0,8
-Other food products	4,4	6,8	5,2
-Beverages	4,6	4,3	6,8
Textiles, clothing, leather and footwear	7,8	5,4	4,9
-Textiles	1,7	1,2	0,7
-Other textile products	1,2	1,2	0,9
-Knitted, crocheted articles	0,6	0,3	0,2
-Wearing apparel	3,0	2,0	2,1
-Tanning, dressing of leather	0,4	0,3	0,6
-Footwear	0,9	0,4	0,4
Wood and wood products, paper, publishing and printing	11,4	11,0	10,2
-Sawmilling and planing of wood	0,8	0,7	0,7
-Products of wood	1,2	1,0	1,3
-Paper and paper products	5,3	4,8	3,8
-Publishing	1,5	2,4	1,9
-Printing, recorded media	2,6	2,1	2,5
Petroleum, chemical products, rubber and plastic products	19,3	22,5	22,1
-Coke, petroleum products and nuclear fuel	4,2	9,1	8,5
-Basic chemicals	4,5	4,0	4,5
-Other chemical products	6,2	5,4	5,3
-Rubber products	1,4	1,1	1,0
-Plastic products	3,1	3,0	2,7
Glass and non-metallic mineral products	4,5	3,9	4,8
-Glass and glass products	1,0	1,1	1,0
-Non-metallic mineral products	3,5	2,9	3,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	23,6	22,4	22,9
-Basic iron and steel products	7,6	5,5	7,7
-Non-ferrous metal products	3,2	4,7	3,4
-Structural metal products	2,4	1,3	2,0
-Other fabricated metal products	4,6	4,2	3,8
-General purpose machinery	2,5	2,4	2,4
-Special purpose machinery	2,9	3,2	3,1
-Household appliances	0,4	1,2	0,6
Electrical machinery	3,4	2,7	2,5
Radio, television and communication apparatus and professional equipment	1,5	1,3	1,1
-Radio, television and communication apparatus	1,0	0,7	0,4
-Professional equipment	0,5	0,6	0,7
Motor vehicles, parts and accessories and other transport equipment	9,1	8,6	10,9
-Motor vehicles	4,5	4,1	4,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	0,4	0,5
-Parts and accessories	3,0	3,1	4,7
-Other transport equipment	1,0	1,0	0,9
Other manufacturing divisions	4,1	5,8	5,2
-Furniture	1,6	1,6	1,3
-Other manufacturing groups	2,6	4,2	3,9
Total	100,0	100,0	100,0

General information

Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English.

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