

Statistical release

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Key figures for February 2011

Table A – Manufacturing production and sales

Estimates	February 2011	% change between February 2010 and February 2011	% change between December 2009 to February 2010 and December 2010 to February 2011	% change between January to February 2010 and January to February 2011
Physical volume of manufacturing production index (2005=100)	99,7	6,0	2,7	3,9
Total estimated sales of manufactured products (R million)	105 656	9,0	6,7	7,8

Seasonally adjusted estimates	February 2011	% change between January and February 2011	% change between September to November 2010 and December 2010 to February 2011
Physical volume of manufacturing production index (2005=100)	105,3	2,3	3,6
Total value of sales of manufactured products (R million)	111 272	1,7	5,1

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

Manufacturing production increased by 6,0% year-on-year in February 2011, higher than the revised 1,6% increase in January 2011 compared with January 2010. The 6,0% increase was mainly driven by higher production in the motor vehicles, parts and accessories and other transport equipment division (21,6% and contributing 2,2% percentage points), the petroleum, chemical products, rubber and plastic products division (6,8% and contributing 1,6 percentage points), the food and beverages division (5,9% and contributing 1,0 percentage point) and the wood and wood products, paper, publishing and printing division (6,7% and contributing 0,7 of a percentage point) (see Table 4b).

Seasonally adjusted manufacturing production for the three months ended February 2011 increased by 3,6% compared with the previous three months ended November 2010. Eight of the ten manufacturing divisions reported positive growth rates over this period.

The increase was mainly due to higher production in the motor vehicles, parts and accessories and other transport equipment division (14,2% and contributing 1,5 percentage points), the basic iron and steel, non-ferrous metal products, metal products and machinery division (3,8% and contributing 0,8 of a percentage point), the petroleum, chemical products, rubber and plastic products division (2,6% and contributing 0,6 of a percentage point) and the wood and wood products, paper, publishing and printing division (3,5% and contributing 0,3 of a percentage point) (see Table B).

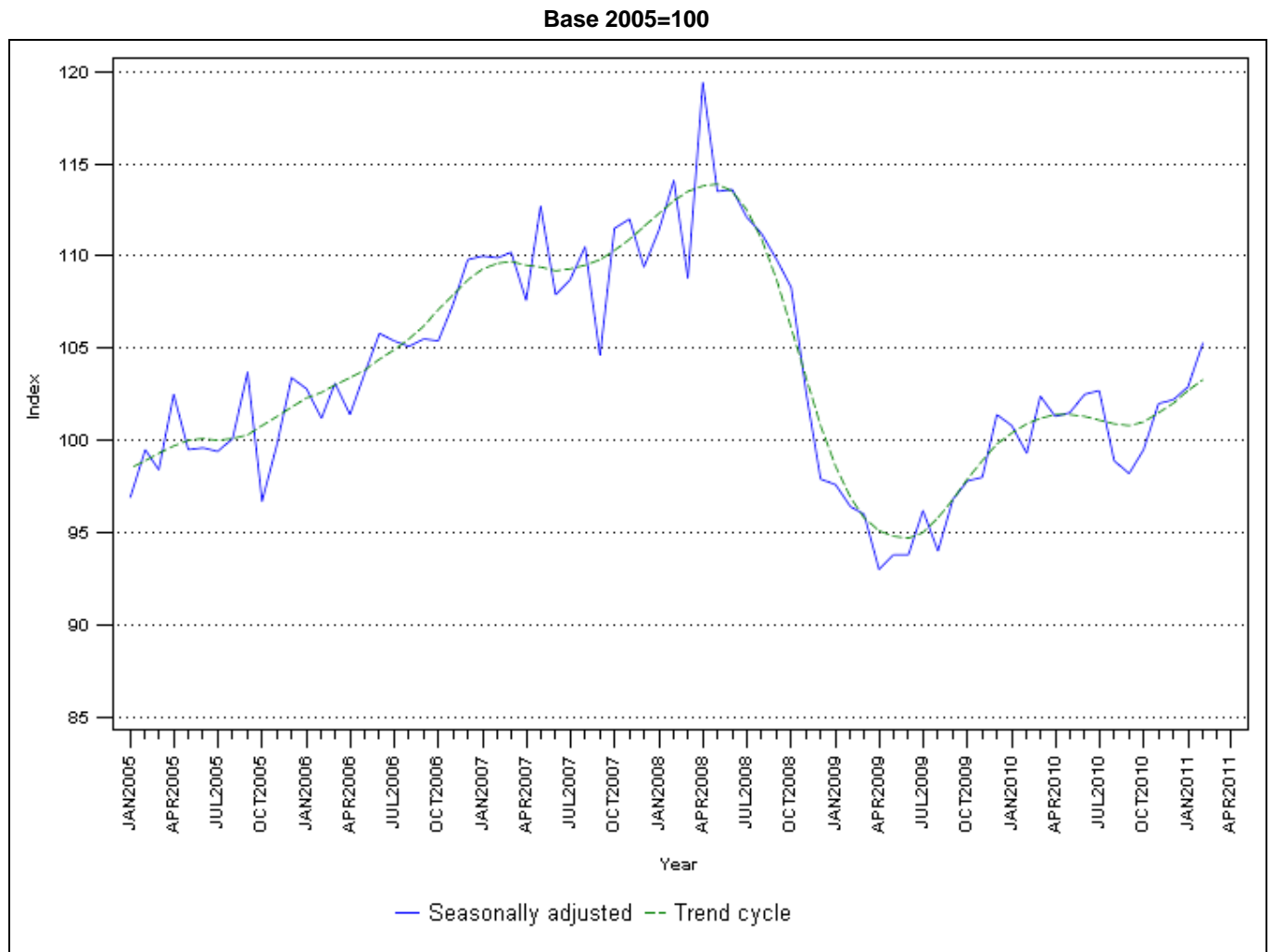
Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production

Base 2005=100

Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2005	Average seasonally adjusted production index for September to November 2010	Average seasonally adjusted production index for December 2010 to February 2011	Quarterly percentage change of December 2010 to February 2011 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
Food and beverages	15,4	118,1	119,4	1,1	0,2
-Meat, fish, fruit, etc.	1,8	118,3	116,2	-1,8	0,0
-Dairy products	0,8	113,3	114,9	1,4	0,0
-Grain mill products	0,8	112,7	105,5	-6,4	-0,1
-Other food products	5,2	116,4	120,5	3,5	0,2
-Beverages	6,8	120,5	121,8	1,1	0,1
Textiles, clothing, leather and footwear	4,9	82,5	80,7	-2,2	-0,1
-Textiles	1,6	69,0	68,2	-1,2	0,0
-Wearing apparel	2,3	85,8	80,8	-5,8	-0,1
-Leather and leather products	0,6	88,5	93,7	5,9	0,0
-Footwear	0,4	107,2	107,3	0,1	0,0
Wood and wood products, paper, publishing and printing	10,2	96,6	100,0	3,5	0,3
-Wood and products of wood	2,0	87,0	91,2	4,8	0,1
-Paper and paper products	3,8	112,4	112,5	0,1	0,0
-Publishing and printing	4,3	87,1	93,0	6,8	0,3
Petroleum, chemical products, rubber and plastic products	22,1	109,7	112,5	2,6	0,6
-Coke, petroleum products and nuclear fuel	8,5	93,1	89,6	-3,8	-0,3
-Basic chemicals	4,5	119,5	133,5	11,7	0,6
-Other chemical products	5,3	117,3	118,9	1,4	0,1
-Rubber products	1,0	75,8	92,3	21,8	0,2
-Plastic products	2,7	142,8	143,8	0,7	0,0
Glass and non-metallic mineral products	4,8	93,6	92,6	-1,1	0,0
-Glass and glass products	1,0	122,5	120,7	-1,5	0,0
-Non-metallic mineral products	3,8	86,4	85,5	-1,0	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	86,5	89,8	3,8	0,8
-Basic iron and steel products	7,7	72,6	79,9	10,1	0,6
-Basic precious, non-ferrous metal products	3,4	103,1	106,2	3,0	0,1
-Fabricated metal products	5,7	102,4	106,3	3,8	0,2
-Machinery and equipment	6,1	79,7	77,2	-3,1	-0,2
Electrical machinery	2,5	127,1	132,2	4,0	0,1
Radio, television and communication apparatus and professional equipment	1,1	95,6	98,3	2,8	0,0
-Radio, television and communication apparatus	0,4	92,9	100,3	8,0	0,0
-Professional equipment	0,7	97,2	97,0	-0,2	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	95,7	109,3	14,2	1,5
-Motor vehicles	4,9	87,5	100,7	15,1	0,6
-Bodies for motor vehicles, trailers and semi-trailers	0,5	113,0	131,2	16,1	0,1
-Parts and accessories	4,7	96,1	114,7	19,4	0,9
-Other transport equipment	0,9	127,3	116,3	-8,6	-0,1
Furniture and other manufacturing division	5,2	88,6	91,6	3,4	0,2
-Furniture	1,3	91,4	98,2	7,4	0,1
-Other manufacturing groups	3,9	87,7	89,4	1,9	0,1
Total	100,0	99,9	103,5	3,6	3,6

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: 2005 – 2011



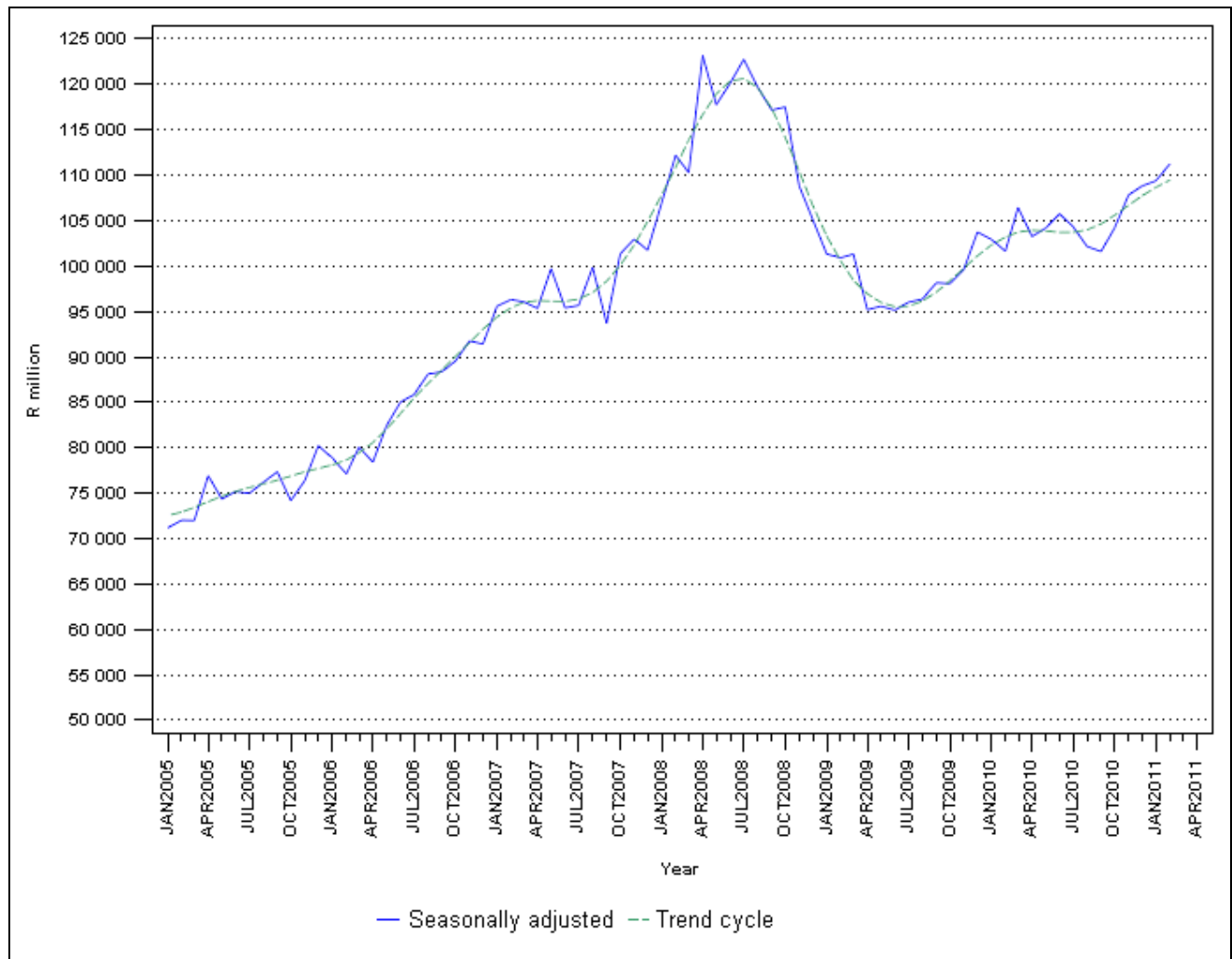
Seasonally adjusted sales of manufactured products at current prices increased by 5,1% (R15 878 million) in the three months ended February 2011 compared with the previous three months ended November 2010. Nine of the ten manufacturing divisions reported positive growth rates over this period (see Table C).

The large increases reported by the basic iron and steel, non-ferrous metal products, metal products and machinery division (7,6% or R5 098 million), the petroleum, chemical products, rubber and plastic products division (6,1% or R4 302 million) and the motor vehicles, parts and accessories and other transport equipment division (6,2% or R2 501 million) 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 September to November 2010	Seasonally adjusted sales December 2010 to February 2011	Percentage change between September to November 2010 and December 2010 to February 2011	Difference in seasonally adjusted sales of manufacturing divisions between September to November 2010 and December 2010 to February 2011
	R'000	R'000	%	R'000
Food and beverages	62 963 881	63 659 421	1,1	695 540
-Food and food products	47 061 849	47 894 558	1,8	832 709
-Beverages	15 902 033	15 764 862	-0,9	-137 171
Textiles, clothing, leather and footwear	9 157 067	9 092 262	-0,7	-64 805
-Textiles	3 648 745	3 678 453	0,8	29 708
-Wearing apparel	3 573 929	3 431 000	-4,0	-142 929
-Leather and leather products	1 002 367	1 072 714	7,0	70 347
-Footwear	932 028	910 095	-2,4	-21 933
Wood and wood products, paper, publishing and printing	27 072 687	28 110 726	3,8	1 038 039
-Wood and products of wood	5 765 288	6 058 720	5,1	293 432
-Paper and paper products	12 587 042	12 583 102	0,0	-3 940
-Publishing and printing	8 720 357	9 468 906	8,6	748 549
Petroleum, chemical products, rubber and plastic products	70 106 966	74 408 781	6,1	4 301 815
-Coke, petroleum products and nuclear fuel	23 697 877	25 520 207	7,7	1 822 330
-Basic chemicals	15 463 513	16 999 114	9,9	1 535 601
-Other chemical products	17 564 759	17 850 523	1,6	285 764
-Rubber products	2 876 735	3 388 798	17,8	512 063
-Plastic products	10 504 081	10 650 140	1,4	146 059
Glass and non-metallic mineral products	10 362 402	10 440 901	0,8	78 499
-Glass and glass products	1 847 446	1 888 211	2,2	40 765
-Non-metallic mineral products	8 514 956	8 552 691	0,4	37 735
Basic iron and steel, non-ferrous metal products, metal products and machinery	66 838 356	71 936 748	7,6	5 098 392
-Basic iron and steel products	22 785 932	25 708 559	12,8	2 922 627
-Basic precious, non-ferrous metal products	12 788 658	14 617 400	14,3	1 828 742
-Fabricated metal products	15 510 376	16 354 404	5,4	844 028
-Machinery and equipment	15 753 390	15 256 385	-3,2	-497 005
Electrical machinery	9 341 597	9 895 963	5,9	554 366
Radio, television and communication apparatus and professional equipment	3 248 387	3 543 514	9,1	295 127
-Radio, television and communication apparatus	1 336 413	1 649 376	23,4	312 963
-Professional equipment	1 911 974	1 894 139	-0,9	-17 835
Motor vehicles, parts and accessories and other transport equipment	40 536 134	43 037 461	6,2	2 501 327
-Motor vehicles, trailers, parts and accessories	36 185 233	38 960 311	7,7	2 775 078
-Other transport equipment	4 350 902	4 077 150	-6,3	-273 752
Furniture and other manufacturing division	13 969 314	15 349 061	9,9	1 379 747
-Furniture	3 007 562	3 372 884	12,1	365 322
-Other manufacturing groups	10 961 753	11 976 177	9,3	1 014 424
Total	313 596 790	329 474 839	5,1	15 878 049

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



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Statistician-General

Detailed results

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

Base 2005 = 100

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

1/ Preliminary.

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

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

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

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

Base 2005 = 100

Month	2005	2006	2007	2008	2009	2010	2011
Jan	96,9	102,8	110,0	111,4	97,6	100,8	102,9
Feb	99,5	101,2	109,9	114,1	96,4	99,3	105,3
Mar	98,4	103,1	110,2	108,8	96,0	102,4	
Apr	102,5	101,4	107,6	119,4	93,0	101,3	
May	99,5	103,6	112,7	113,5	93,8	101,5	
Jun	99,6	105,8	107,9	113,6	93,8	102,5	
Jul	99,4	105,4	108,7	112,1	96,2	102,7	
Aug	100,1	105,1	110,5	111,2	94,0	98,9	
Sep	103,7	105,5	104,6	109,8	96,8	98,2	
Oct	96,7	105,4	111,5	108,3	97,8	99,5	
Nov	99,8	107,4	112,0	102,6	98,0	102,0	
Dec	103,4	109,8	109,4	97,9	101,4	102,2	

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		
			February 2010	1/ January 2011	1/ February 2011	February 2010	January 2011	February 2011
Food and beverages	15,4	116,5	101,0	98,0	107,0	110,9	117,3	118,0
-Meat, fish, fruit, etc.	1,8	115,4	104,2	96,5	108,0	108,9	113,8	113,8
-Dairy products	0,8	111,6	94,9	111,7	109,3	101,3	112,6	116,8
-Grain mill products	0,8	110,4	98,6	94,1	98,9	106,7	104,2	107,3
-Other food products	5,2	116,4	86,9	83,9	93,9	109,7	116,7	118,2
-Beverages	6,8	118,2	111,9	108,1	117,4	113,9	120,9	120,4
Textiles, clothing, leather and footwear	4,9	84,1	84,4	59,1	79,6	84,2	79,8	79,9
-Textiles	0,7	66,5	75,5	47,2	64,8	68,5	63,8	58,8
-Other textile products	0,9	73,1	78,1	55,4	77,7	74,4	73,0	73,9
-Knitted, crocheted articles	0,2	103,6	113,2	70,7	104,2	108,6	99,9	99,9
-Wearing apparel	2,1	86,5	86,0	56,0	76,2	87,5	78,2	78,0
-Leather and leather products	0,6	90,4	85,2	79,3	93,5	85,1	90,7	94,2
-Footwear	0,4	107,3	91,7	66,9	95,1	103,1	104,2	107,6
Wood and wood products, paper, publishing and printing	10,2	96,6	89,8	86,4	95,8	93,3	100,5	99,4
-Sawmilling and planing of wood	0,7	84,0	83,8	75,0	84,8	82,0	85,1	83,0
-Products of wood	1,3	87,7	81,2	76,3	87,1	86,2	92,7	92,4
-Paper and paper products	3,8	113,3	102,7	98,1	102,0	109,7	110,1	109,2
-Publishing	1,9	81,1	78,1	75,0	82,0	79,8	83,9	83,9
-Printing, recorded media	2,5	90,6	84,7	85,4	104,4	84,9	106,4	104,5
Petroleum, chemical products, rubber and plastic products	22,1	111,3	101,4	99,9	108,3	109,3	110,9	116,9
-Coke, petroleum products and nuclear fuel	8,5	92,8	77,2	87,5	86,1	88,1	86,5	98,9
-Basic chemicals	4,5	126,2	114,6	117,9	124,4	125,5	134,4	135,9
-Other chemical products	5,3	117,2	111,8	96,6	117,2	115,7	116,1	121,1
-Rubber products	1,0	82,5	87,6	83,9	98,8	82,5	95,9	93,0
-Plastic products	2,7	143,4	140,1	120,7	136,9	145,6	143,7	142,2
Glass and non-metallic mineral products	4,8	93,9	84,3	72,6	86,1	90,9	90,6	92,9
-Glass and glass products	1,0	120,7	114,7	104,5	118,7	115,4	121,3	119,7
-Non-metallic mineral products	3,8	87,2	76,7	64,6	77,9	84,8	82,9	86,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,3	87,2	78,0	88,1	92,5	89,2	93,5
-Basic iron and steel products	7,7	80,1	81,2	71,2	80,6	91,4	77,6	90,9
-Non-ferrous metal products	3,4	100,3	94,7	102,4	100,3	100,3	109,2	106,2
-Structural metal products	2,0	92,9	82,1	70,4	98,2	84,2	95,4	100,4
-Other fabricated metal products	3,8	106,1	103,5	91,9	106,3	106,8	113,7	109,7
-General purpose machinery	2,4	70,1	66,3	60,4	64,1	71,2	69,8	68,9
-Special purpose machinery	3,1	89,9	91,6	67,6	80,7	90,1	74,8	79,4
-Household appliances	0,6	98,4	95,7	84,6	99,7	94,4	98,4	98,3
Electrical machinery	2,5	127,6	120,9	106,8	131,1	121,2	132,0	131,2
Radio, television and communication apparatus and professional equipment	1,1	94,2	97,7	71,4	108,8	96,3	88,7	107,3
-Radio, television and communication apparatus	0,4	92,0	97,6	61,8	119,9	96,7	79,6	118,5
-Professional equipment	0,7	95,7	97,8	77,5	101,7	96,1	94,6	100,2
Motor vehicles, parts and accessories and other transport equipment	10,9	96,0	89,8	89,3	109,2	92,0	109,2	112,0
-Motor vehicles	4,9	85,5	77,9	79,4	107,3	76,2	100,8	105,1
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,9	112,7	86,3	120,3	115,7	124,9	124,1
-Parts and accessories	4,7	100,2	95,6	97,3	108,1	102,1	115,1	116,4
-Other transport equipment	0,9	117,8	111,2	101,8	118,5	112,0	115,5	120,1
Furniture and other manufacturing division	5,2	91,8	94,9	82,8	95,0	90,9	100,4	90,8
-Furniture	1,3	92,1	86,0	71,9	89,6	90,3	107,6	94,0
-Other manufacturing groups	3,9	91,7	97,8	86,5	96,8	91,2	98,0	89,7
Total	100,0	100,9	94,1	87,7	99,7	99,3	102,9	105,3

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	Year 2010	Actual indices			Seasonally adjusted indices		
			February 2010	February 2011	Percentage change between February 2010 and February 2011	January 2011	February 2011	Percentage change between January and February 2011
Food and beverages	15,4	116,5	101,0	107,0	5,9	117,3	118,0	0,6
-Meat, fish, fruit, etc.	1,8	115,4	104,2	108,0	3,6	113,8	113,8	0,0
-Dairy products	0,8	111,6	94,9	109,3	15,2	112,6	116,8	3,7
-Grain mill products	0,8	110,4	98,6	98,9	0,3	104,2	107,3	3,0
-Other food products	5,2	116,4	86,9	93,9	8,1	116,7	118,2	1,3
-Beverages	6,8	118,2	111,9	117,4	4,9	120,9	120,4	-0,4
Textiles, clothing, leather and footwear	4,9	84,1	84,4	79,6	-5,7	79,8	79,9	0,1
-Textiles	0,7	66,5	75,5	64,8	-14,2	63,8	58,8	-7,8
-Other textile products	0,9	73,1	78,1	77,7	-0,5	73,0	73,9	1,2
-Knitted, crocheted articles	0,2	103,6	113,2	104,2	-8,0	99,9	99,9	0,0
-Wearing apparel	2,1	86,5	86,0	76,2	-11,4	78,2	78,0	-0,3
-Leather and leather products	0,6	90,4	85,2	93,5	9,7	90,7	94,2	3,9
-Footwear	0,4	107,3	91,7	95,1	3,7	104,2	107,6	3,3
Wood and wood products, paper, publishing and printing	10,2	96,6	89,8	95,8	6,7	100,5	99,4	-1,1
-Sawmilling and planing of wood	0,7	84,0	83,8	84,8	1,2	85,1	83,0	-2,5
-Products of wood	1,3	87,7	81,2	87,1	7,3	92,7	92,4	-0,3
-Paper and paper products	3,8	113,3	102,7	102,0	-0,7	110,1	109,2	-0,8
-Publishing	1,9	81,1	78,1	82,0	5,0	83,9	83,9	0,0
-Printing, recorded media	2,5	90,6	84,7	104,4	23,3	106,4	104,5	-1,8
Petroleum, chemical products, rubber and plastic products	22,1	111,3	101,4	108,3	6,8	110,9	116,9	5,4
-Coke, petroleum products and nuclear fuel	8,5	92,8	77,2	86,1	11,5	86,5	98,9	14,3
-Basic chemicals	4,5	126,2	114,6	124,4	8,6	134,4	135,9	1,1
-Other chemical products	5,3	117,2	111,8	117,2	4,8	116,1	121,1	4,3
-Rubber products	1,0	82,5	87,6	98,8	12,8	95,9	93,0	-3,0
-Plastic products	2,7	143,4	140,1	136,9	-2,3	143,7	142,2	-1,0
Glass and non-metallic mineral products	4,8	93,9	84,3	86,1	2,1	90,6	92,9	2,5
-Glass and glass products	1,0	120,7	114,7	118,7	3,5	121,3	119,7	-1,3
-Non-metallic mineral products	3,8	87,2	76,7	77,9	1,6	82,9	86,2	4,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,3	87,2	88,1	1,0	89,2	93,5	4,8
-Basic iron and steel products	7,7	80,1	81,2	80,6	-0,7	77,6	90,9	17,1
-Non-ferrous metal products	3,4	100,3	94,7	100,3	5,9	109,2	106,2	-2,7
-Structural metal products	2,0	92,9	82,1	98,2	19,6	95,4	100,4	5,2
-Other fabricated metal products	3,8	106,1	103,5	106,3	2,7	113,7	109,7	-3,5
-General purpose machinery	2,4	70,1	66,3	64,1	-3,3	69,8	68,9	-1,3
-Special purpose machinery	3,1	89,9	91,6	80,7	-11,9	74,8	79,4	6,1
-Household appliances	0,6	98,4	95,7	99,7	4,2	98,4	98,3	-0,1
Electrical machinery	2,5	127,6	120,9	131,1	8,4	132,0	131,2	-0,6
Radio, television and communication apparatus and professional equipment	1,1	94,2	97,7	108,8	11,4	88,7	107,3	21,0
-Radio, television and communication apparatus	0,4	92,0	97,6	119,9	22,8	79,6	118,5	48,9
-Professional equipment	0,7	95,7	97,8	101,7	4,0	94,6	100,2	5,9
Motor vehicles, parts and accessories and other transport equipment	10,9	96,0	89,8	109,2	21,6	109,2	112,0	2,6
-Motor vehicles	4,9	85,5	77,9	107,3	37,7	100,8	105,1	4,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,9	112,7	120,3	6,7	124,9	124,1	-0,6
-Parts and accessories	4,7	100,2	95,6	108,1	13,1	115,1	116,4	1,1
-Other transport equipment	0,9	117,8	111,2	118,5	6,6	115,5	120,1	4,0
Furniture and other manufacturing division	5,2	91,8	94,9	95,0	0,1	100,4	90,8	-9,6
-Furniture	1,3	92,1	86,0	89,6	4,2	107,6	94,0	-12,6
-Other manufacturing groups	3,9	91,7	97,8	96,8	-1,0	98,0	89,7	-8,5
Total	100,0	100,9	94,1	99,7	6,0	102,9	105,3	2,3

1/ Preliminary.

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

Month	2005	2006	2007	2008	2009	2010	2011
Jan	60 063 082	66 484 938	80 538 318	90 120 929	84 819 210	86 164 210	1/ 91 621 873
Feb	69 193 109	73 901 384	91 988 434	106 616 455	96 192 926	96 905 945	1/ 105 655 644
Mar	73 858 342	82 047 327	98 673 703	112 950 687	103 814 911	109 176 123	
Apr	72 381 184	73 494 509	89 107 318	115 062 249	88 797 741	96 353 590	
May	74 601 624	82 575 109	100 003 365	118 293 383	95 133 046	103 770 879	
Jun	76 071 471	86 293 995	97 130 007	122 894 285	96 891 148	107 804 180	
Jul	76 103 755	87 489 215	97 758 776	126 353 845	98 368 052	107 176 982	
Aug	78 533 270	91 130 164	103 286 147	124 293 826	99 412 537	104 965 646	
Sep	81 576 570	93 387 334	98 938 121	123 806 867	103 482 347	107 149 992	
Oct	81 457 255	98 505 874	111 757 950	129 941 379	108 453 282	115 388 206	
Nov	85 122 282	101 894 005	114 304 668	120 894 966	110 596 379	119 676 668	
Dec	72 412 763	81 621 089	90 693 690	94 770 345	94 154 368	1/ 98 464 430	
Year	901 374 707	1 018 824 943	1 174 180 497	1 385 999 216	1 180 115 947	1 252 996 851	

1/ Preliminary.

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

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

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

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

Month	2005	2006	2007	2008	2009	2010	2011
Jan	71 167 661	78 871 378	95 576 122	106 935 723	101 313 625	102 931 316	109 392 163
Feb	72 014 924	77 102 901	96 302 009	112 188 433	100 917 816	101 624 157	111 271 660
Mar	71 985 992	80 045 986	96 066 260	110 282 333	101 310 377	106 450 375	
Apr	76 907 304	78 417 458	95 339 505	123 180 652	95 179 496	103 253 117	
May	74 347 536	82 403 832	99 704 212	117 755 227	95 573 404	104 162 153	
Jun	75 181 805	85 016 966	95 387 904	120 130 997	95 140 315	105 741 634	
Jul	74 967 339	85 833 168	95 663 877	122 750 363	96 010 164	104 335 157	
Aug	76 180 707	88 095 792	99 848 886	119 681 407	96 361 533	102 154 912	
Sep	77 343 161	88 360 512	93 680 603	117 168 590	98 154 561	101 595 868	
Oct	74 176 069	89 538 454	101 311 198	117 508 921	98 062 904	104 182 710	
Nov	76 374 282	91 738 989	102 957 166	108 802 116	99 647 037	107 818 212	
Dec	80 208 996	91 422 223	101 745 465	105 117 078	103 737 456	108 811 016	

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		
		February 2010	1/ January 2011	1/ February 2011	February 2010	January 2011	February 2011
Food and beverages	247 861 866	19 035 366	17 950 261	20 080 481	20 001 729	20 906 738	21 123 540
-Meat, fish, fruit, etc.	68 098 286	4 992 674	4 922 288	5 458 153	5 436 401	5 877 148	5 950 754
-Dairy products	21 766 971	1 597 426	1 732 507	1 761 055	1 661 484	1 800 640	1 831 998
-Grain mill products	41 600 010	3 117 964	3 000 652	3 260 540	3 435 902	3 356 438	3 596 731
-Other food products	54 886 397	4 381 346	3 997 168	4 262 603	4 627 258	4 735 702	4 492 437
-Beverages	61 510 202	4 945 956	4 297 646	5 338 130	4 840 683	5 136 809	5 251 621
Textiles, clothing, leather and footwear	37 440 194	3 092 195	2 204 322	2 963 214	3 144 257	3 052 161	3 016 318
-Textiles	5 511 661	487 626	348 802	481 303	473 537	482 840	466 104
-Other textile products	9 422 156	812 470	563 321	778 440	799 355	763 309	765 750
-Knitted, crocheted articles	1 789 747	155 699	105 017	150 288	155 058	148 585	149 163
-Wearing apparel	12 946 861	1 039 846	687 801	912 150	1 094 902	988 824	965 879
-Leather and leather products	4 031 752	328 647	319 490	369 323	322 089	363 539	363 686
-Footwear	3 738 017	267 907	179 891	271 710	299 315	305 064	305 736
Wood and wood products, paper, publishing and printing	108 331 794	8 394 285	7 885 710	8 850 554	8 704 164	9 428 814	9 165 189
-Sawmilling and planing of wood	7 162 177	597 878	537 837	604 097	599 688	622 000	607 199
-Products of wood	15 674 954	1 230 882	1 151 182	1 301 148	1 292 534	1 434 055	1 369 703
-Paper and paper products	50 588 982	3 777 126	3 472 251	3 776 563	4 012 961	4 029 263	4 009 362
-Publishing	14 395 096	1 192 184	1 111 574	1 208 870	1 195 257	1 267 736	1 212 113
-Printing, recorded media	20 510 585	1 596 215	1 612 866	1 959 876	1 603 724	2 075 760	1 966 813
Petroleum, chemical products, rubber and plastic products	281 192 361	20 653 537	20 925 647	23 670 755	22 813 225	24 064 050	26 304 596
-Coke, petroleum products and nuclear fuel	96 580 234	6 602 072	7 563 038	8 293 876	7 941 535	8 169 828	10 035 419
-Basic chemicals	60 915 156	4 344 946	4 685 560	5 140 834	4 761 278	5 313 331	5 615 821
-Other chemical products	69 496 277	5 367 683	4 793 065	5 689 057	5 653 655	5 887 528	5 984 600
-Rubber products	12 022 322	1 019 263	910 423	1 187 664	984 434	1 144 949	1 149 780
-Plastic products	42 178 372	3 319 573	2 973 561	3 359 324	3 472 323	3 548 414	3 518 977
Glass and non-metallic mineral products	41 053 595	3 170 504	2 628 700	3 291 925	3 310 560	3 404 231	3 435 605
-Glass and glass products	7 022 938	528 418	501 450	600 299	554 613	622 599	630 485
-Non-metallic mineral products	34 030 657	2 642 086	2 127 250	2 691 626	2 755 947	2 781 633	2 805 120
Basic iron and steel, non-ferrous metal products, metal products and machinery	267 417 493	20 899 389	20 561 387	22 907 524	22 232 966	24 487 744	24 495 868
-Basic iron and steel products	91 933 429	7 117 433	7 516 543	8 002 769	7 857 254	8 564 160	8 870 661
-Non-ferrous metal products	48 179 393	3 350 155	4 514 042	4 512 233	3 688 003	5 376 105	4 958 215
-Structural metal products	21 961 423	1 665 397	1 416 163	2 072 934	1 738 888	1 953 107	2 158 318
-Other fabricated metal products	40 294 797	3 339 253	2 776 795	3 346 535	3 485 590	3 493 995	3 492 701
-General purpose machinery	27 319 528	2 160 460	1 984 071	2 038 185	2 312 071	2 360 781	2 181 389
-Special purpose machinery	28 035 881	2 485 255	1 676 864	2 126 435	2 388 182	1 931 545	2 043 188
-Household appliances	9 693 042	781 436	676 909	808 433	762 978	808 052	791 396
-Electrical machinery	37 583 772	2 967 946	2 557 119	3 355 513	2 963 379	3 331 094	3 345 500
Radio, television and communication apparatus and professional equipment	13 079 544	1 100 324	830 405	1 248 005	1 105 838	1 058 644	1 254 605
-Radio, television and communication apparatus	5 511 967	478 712	329 586	604 493	486 307	449 342	612 740
-Professional equipment	7 567 577	621 612	500 819	643 512	619 531	609 302	641 865
Motor vehicles, parts and accessories and other transport equipment	162 365 788	13 025 648	10 913 462	14 627 286	13 029 483	13 920 364	14 683 591
-Motor vehicles	82 269 350	6 625 259	4 772 955	7 244 527	6 529 654	6 666 039	7 155 872
-Bodies for motor vehicles, trailers and semi-trailers	7 611 222	588 364	442 052	633 464	629 968	683 640	680 104
-Parts and accessories	56 427 275	4 570 529	4 521 000	5 375 925	4 604 082	5 223 430	5 438 634
-Other transport equipment	16 057 941	1 241 496	1 177 455	1 373 370	1 265 779	1 347 255	1 408 981
Furniture and other manufacturing division	56 670 444	4 566 751	5 164 860	4 660 387	4 318 557	5 738 323	4 446 848
-Furniture	12 033 883	902 900	800 536	1 006 854	968 602	1 232 273	1 079 378
-Other manufacturing groups	44 636 561	3 663 851	4 364 324	3 653 533	3 349 955	4 506 050	3 367 470
Total	1 252 996 851	96 905 945	91 621 873	105 655 644	101 624 157	109 392 163	111 271 660

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		
		February 2010	1/ February 2011	Percentage change between February 2010 and February 2011	January 2011	February 2011	Percentage change between January and February 2011
Food and beverages	247 861 866	19 035 366	20 080 481	5,5	20 906 738	21 123 540	1,0
-Meat, fish, fruit, etc.	68 098 286	4 992 674	5 458 153	9,3	5 877 148	5 950 754	1,3
-Dairy products	21 766 971	1 597 426	1 761 055	10,2	1 800 640	1 831 998	1,7
-Grain mill products	41 600 010	3 117 964	3 260 540	4,6	3 356 438	3 596 731	7,2
-Other food products	54 886 397	4 381 346	4 262 603	-2,7	4 735 702	4 492 437	-5,1
-Beverages	61 510 202	4 945 956	5 338 130	7,9	5 136 809	5 251 621	2,2
Textiles, clothing, leather and footwear	37 440 194	3 092 195	2 963 214	-4,2	3 052 161	3 016 318	-1,2
-Textiles	5 511 661	487 626	481 303	-1,3	482 840	466 104	-3,5
-Other textile products	9 422 156	812 470	778 440	-4,2	763 309	765 750	0,3
-Knitted, crocheted articles	1 789 747	155 699	150 288	-3,5	148 585	149 163	0,4
-Wearing apparel	12 946 861	1 039 846	912 150	-12,3	988 824	965 879	-2,3
-Leather and leather products	4 031 752	328 647	369 323	12,4	363 539	363 686	0,0
-Footwear	3 738 017	267 907	271 710	1,4	305 064	305 736	0,2
Wood and wood products, paper, publishing and printing	108 331 794	8 394 285	8 850 554	5,4	9 428 814	9 165 189	-2,8
-Sawmilling and planing of wood	7 162 177	597 878	604 097	1,0	622 000	607 199	-2,4
-Products of wood	15 674 954	1 230 882	1 301 148	5,7	1 434 055	1 369 703	-4,5
-Paper and paper products	50 588 982	3 777 126	3 776 563	0,0	4 029 263	4 009 362	-0,5
-Publishing	14 395 096	1 192 184	1 208 870	1,4	1 267 736	1 212 113	-4,4
-Printing, recorded media	20 510 585	1 596 215	1 959 876	22,8	2 075 760	1 966 813	-5,2
Petroleum, chemical products, rubber and plastic products	281 192 361	20 653 537	23 670 755	14,6	24 064 050	26 304 596	9,3
-Coke, petroleum products and nuclear fuel	96 580 234	6 602 072	8 293 876	25,6	8 169 828	10 035 419	22,8
-Basic chemicals	60 915 156	4 344 946	5 140 834	18,3	5 313 331	5 615 821	5,7
-Other chemical products	69 496 277	5 367 683	5 689 057	6,0	5 887 528	5 984 600	1,6
-Rubber products	12 022 322	1 019 263	1 187 664	16,5	1 144 949	1 149 780	0,4
-Plastic products	42 178 372	3 319 573	3 359 324	1,2	3 548 414	3 518 977	-0,8
Glass and non-metallic mineral products	41 053 595	3 170 504	3 291 925	3,8	3 404 231	3 435 605	0,9
-Glass and glass products	7 022 938	528 418	600 299	13,6	622 599	630 485	1,3
-Non-metallic mineral products	34 030 657	2 642 086	2 691 626	1,9	2 781 633	2 805 120	0,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	267 417 493	20 899 389	22 907 524	9,6	24 487 744	24 495 868	0,0
-Basic iron and steel products	91 933 429	7 117 433	8 002 769	12,4	8 564 160	8 870 661	3,6
-Non-ferrous metal products	48 179 393	3 350 155	4 512 233	34,7	5 376 105	4 958 215	-7,8
-Structural metal products	21 961 423	1 665 397	2 072 934	24,5	1 953 107	2 158 318	10,5
-Other fabricated metal products	40 294 797	3 339 253	3 346 535	0,2	3 493 995	3 492 701	0,0
-General purpose machinery	27 319 528	2 160 460	2 038 185	-5,7	2 360 781	2 181 389	-7,6
-Special purpose machinery	28 035 881	2 485 255	2 126 435	-14,4	1 931 545	2 043 188	5,8
-Household appliances	9 693 042	781 436	808 433	3,5	808 052	791 396	-2,1
Electrical machinery	37 583 772	2 967 946	3 355 513	13,1	3 331 094	3 345 500	0,4
Radio, television and communication apparatus and professional equipment	13 079 544	1 100 324	1 248 005	13,4	1 058 644	1 254 605	18,5
-Radio, television and communication apparatus	5 511 967	478 712	604 493	26,3	449 342	612 740	36,4
-Professional equipment	7 567 577	621 612	643 512	3,5	609 302	641 865	5,3
Motor vehicles, parts and accessories and other transport equipment	162 365 788	13 025 648	14 627 286	12,3	13 920 364	14 683 591	5,5
-Motor vehicles	82 269 350	6 625 259	7 244 527	9,3	6 666 039	7 155 872	7,3
-Bodies for motor vehicles, trailers and semi-trailers	7 611 222	588 364	633 464	7,7	683 640	680 104	-0,5
-Parts and accessories	56 427 275	4 570 529	5 375 925	17,6	5 223 430	5 438 634	4,1
-Other transport equipment	16 057 941	1 241 496	1 373 370	10,6	1 347 255	1 408 981	4,6
Furniture and other manufacturing division	56 670 444	4 566 751	4 660 387	2,1	5 738 323	4 446 848	-22,5
-Furniture	12 033 883	902 900	1 006 854	11,5	1 232 273	1 079 378	-12,4
-Other manufacturing groups	44 636 561	3 663 851	3 653 533	-0,3	4 506 050	3 367 470	-25,3
Total	1 252 996 851	96 905 945	105 655 644	9,0	109 392 163	111 271 660	1,7

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	Production indices (base 2005=100)			Value of sales (R'000)		
		Dec. 2009 to Feb. 2010	Dec. 2010 to Feb. 2011	Annual percentage change between Dec. 2009 to Feb. 2010 and Dec. 2010 to Feb. 2011	Dec. 2009 to Feb. 2010	Dec. 2010 to Feb. 2011	Annual percentage change between Dec. 2009 to Feb. 2010 and Dec. 2010 to Feb. 2011
Food and beverages	15,4	106,3	113,5	6,8	59 310 844	62 844 805	6,0
-Meat, fish, fruit, etc.	1,8	107,3	110,8	3,3	15 617 337	17 014 128	8,9
-Dairy products	0,8	111,0	117,2	5,6	5 235 119	5 562 792	6,3
-Grain mill products	0,8	103,1	99,9	-3,1	9 933 517	9 717 249	-2,2
-Other food products	5,2	86,2	95,7	11,0	12 403 961	13 202 880	6,4
-Beverages	6,8	121,3	129,0	6,3	16 120 910	17 347 756	7,6
Textiles, clothing, leather and footwear	4,9	72,5	67,9	-6,3	8 030 437	7 667 606	-4,5
-Textiles	0,7	56,9	51,8	-9,0	1 152 177	1 141 967	-0,9
-Other textile products	0,9	65,5	62,3	-4,9	2 072 950	1 948 547	-6,0
-Knitted, crocheted articles	0,2	89,8	82,8	-7,8	388 937	362 055	-6,9
-Wearing apparel	2,1	75,6	67,0	-11,4	2 816 440	2 537 923	-9,9
-Leather and leather products	0,6	79,9	84,5	5,8	875 507	957 735	9,4
-Footwear	0,4	79,0	80,2	1,5	724 426	719 379	-0,7
Wood and wood products, paper, publishing and printing	10,2	83,1	90,7	9,1	23 234 466	25 277 823	8,8
-Sawmilling and planing of wood	0,7	68,5	75,4	10,1	1 519 937	1 640 031	7,9
-Products of wood	1,3	75,8	79,6	5,0	3 370 631	3 576 152	6,1
-Paper and paper products	3,8	97,3	104,3	7,2	10 784 437	11 512 493	6,8
-Publishing	1,9	75,1	77,0	2,5	3 342 723	3 445 162	3,1
-Printing, recorded media	2,5	75,0	90,2	20,3	4 216 738	5 103 985	21,0
Petroleum, chemical products, rubber and plastic products	22,1	101,0	102,2	1,2	62 146 975	66 091 486	6,3
-Coke, petroleum products and nuclear fuel	8,5	90,7	85,3	-6,0	22 245 333	22 724 184	2,2
-Basic chemicals	4,5	108,4	118,1	8,9	12 760 022	14 968 337	17,3
-Other chemical products	5,3	103,6	107,2	3,5	15 430 348	16 025 969	3,9
-Rubber products	1,0	70,0	80,4	14,9	2 570 608	2 942 938	14,5
-Plastic products	2,7	127,2	126,3	-0,7	9 140 664	9 430 058	3,2
Glass and non-metallic mineral products	4,8	80,7	79,5	-1,5	8 508 861	8 812 688	3,6
-Glass and glass products	1,0	112,7	112,4	-0,3	1 548 291	1 713 310	10,7
-Non-metallic mineral products	3,8	72,7	71,3	-1,9	6 960 570	7 099 378	2,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	82,8	80,1	-3,3	56 902 644	62 153 605	9,2
-Basic iron and steel products	7,7	84,1	71,1	-15,5	19 015 470	21 593 802	13,6
-Non-ferrous metal products	3,4	91,6	100,8	10,0	9 821 597	12 910 300	31,4
-Structural metal products	2,0	75,1	80,4	7,1	4 541 591	4 959 425	9,2
-Other fabricated metal products	3,8	86,8	92,6	6,7	8 507 105	8 645 988	1,6
-General purpose machinery	2,4	63,8	62,6	-1,9	6 252 826	6 045 933	-3,3
-Special purpose machinery	3,1	84,9	75,9	-10,6	6 725 257	5 885 661	-12,5
-Household appliances	0,6	81,3	85,2	4,8	2 038 798	2 112 496	3,6
Electrical machinery	2,5	105,8	115,4	9,1	7 737 067	8 562 914	10,7
Radio, television and communication apparatus and professional equipment	1,1	83,1	89,8	8,1	2 964 340	3 225 643	8,8
-Radio, television and communication apparatus	0,4	85,0	93,7	10,2	1 281 005	1 508 579	17,8
-Professional equipment	0,7	81,9	87,2	6,5	1 683 335	1 717 064	2,0
Motor vehicles, parts and accessories and other transport equipment	10,9	78,1	89,1	14,1	34 410 211	36 425 933	5,9
-Motor vehicles	4,9	65,6	81,4	24,1	17 368 966	17 838 009	2,7
-Bodies for motor vehicles, trailers and semi-trailers	0,5	85,6	99,7	16,5	1 381 558	1 617 471	17,1
-Parts and accessories	4,7	83,5	92,2	10,4	11 896 479	13 230 745	11,2
-Other transport equipment	0,9	112,4	107,9	-4,0	3 763 208	3 739 708	-0,6
Furniture and other manufacturing division	5,2	89,6	83,9	-6,4	13 978 678	14 679 444	5,0
-Furniture	1,3	74,0	79,9	8,0	2 366 577	2 728 084	15,3
-Other manufacturing groups	3,9	94,8	85,2	-10,1	11 612 101	11 951 360	2,9
Total	100,0	90,3	92,7	2,7	277 224 523	295 741 947	6,7

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

Manufacturing divisions and major groups	Weights	Indices (base 2005=100)				Value of sales (R million)			
		Jan. to Feb. 2010	Jan. to Feb. 2011	Annual percentage change between 2010 and 2011	Contribution (percentage points)	Jan. to Feb. 2010	Jan. to Feb. 2011	Annual percentage change between 2010 and 2011	Difference in sales between 2010 and 2011
Food and beverages	15,4	96,9	102,5	5,8	1,0	35 839	38 031	6,1	2 192
-Meat, fish, fruit, etc.	1,8	99,7	102,3	2,6	0,1	9 483	10 380	9,5	897
-Dairy products	0,8	104,7	110,5	5,5	0,1	3 237	3 494	7,9	257
-Grain mill products	0,8	98,3	96,5	-1,8	0,0	6 222	6 261	0,6	39
-Other food products	5,2	82,2	88,9	8,2	0,4	8 003	8 260	3,2	257
-Beverages	6,8	106,4	112,8	6,0	0,5	8 895	9 636	8,3	741
Textiles, clothing, leather and footwear	4,9	74,5	69,4	-6,8	-0,3	5 403	5 168	-4,3	-235
-Textiles	0,7	61,6	56,0	-9,1	0,0	816	830	1,7	14
-Other textile products	0,9	69,3	66,6	-3,9	0,0	1 419	1 342	-5,4	-77
-Knitted, crocheted articles	0,2	96,0	87,5	-8,9	0,0	267	255	-4,5	-12
-Wearing apparel	2,1	76,1	66,1	-13,1	-0,2	1 833	1 600	-12,7	-233
-Leather and leather products	0,6	80,5	86,4	7,3	0,0	614	689	12,2	75
-Footwear	0,4	81,1	81,0	-0,1	0,0	453	452	-0,2	-1
Wood and wood products, paper, publishing and printing	10,2	84,9	91,1	7,3	0,7	15 664	16 736	6,8	1 072
-Sawmilling and planing of wood	0,7	76,8	79,9	4,0	0,0	1 087	1 142	5,1	55
-Products of wood	1,3	76,6	81,7	6,7	0,1	2 286	2 452	7,3	166
-Paper and paper products	3,8	99,8	100,1	0,3	0,0	7 226	7 249	0,3	23
-Publishing	1,9	75,6	78,5	3,8	0,1	2 242	2 320	3,5	78
-Printing, recorded media	2,5	75,4	94,9	25,9	0,5	2 824	3 573	26,5	749
Petroleum, chemical products, rubber and plastic products	22,1	100,1	104,1	4,0	1,0	41 055	44 596	8,6	3 541
-Coke, petroleum products and nuclear fuel	8,5	84,5	86,8	2,7	0,2	14 553	15 857	9,0	1 304
-Basic chemicals	4,5	112,4	121,2	7,8	0,4	8 671	9 826	13,3	1 155
-Other chemical products	5,3	103,4	106,9	3,4	0,2	9 846	10 482	6,5	636
-Rubber products	1,0	77,2	91,4	18,4	0,2	1 797	2 098	16,8	301
-Plastic products	2,7	130,4	128,8	-1,2	0,0	6 187	6 333	2,4	146
Glass and non-metallic mineral products	4,8	79,5	79,4	-0,1	0,0	5 679	5 921	4,3	242
-Glass and glass products	1,0	110,8	111,6	0,7	0,0	982	1 102	12,2	120
-Non-metallic mineral products	3,8	71,7	71,3	-0,6	0,0	4 698	4 819	2,6	121
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	84,6	83,1	-1,8	-0,4	39 316	43 469	10,6	4 153
-Basic iron and steel products	7,7	85,0	75,9	-10,7	-0,8	13 784	15 519	12,6	1 735
-Non-ferrous metal products	3,4	91,7	101,4	10,6	0,4	6 547	9 026	37,9	2 479
-Structural metal products	2,0	77,8	84,3	8,4	0,1	2 995	3 489	16,5	494
-Other fabricated metal products	3,8	92,7	99,1	6,9	0,3	5 946	6 123	3,0	177
-General purpose machinery	2,4	63,5	62,3	-1,9	0,0	4 109	4 022	-2,1	-87
-Special purpose machinery	3,1	85,4	74,2	-13,1	-0,4	4 509	3 803	-15,7	-706
-Household appliances	0,6	88,2	92,2	4,5	0,0	1 426	1 485	4,1	59
Electrical machinery	2,5	110,9	119,0	7,3	0,2	5 296	5 913	11,7	617
Radio, television and communication apparatus and professional equipment	1,1	82,0	90,1	9,9	0,1	1 919	2 078	8,3	159
-Radio, television and communication apparatus	0,4	84,1	90,9	8,1	0,0	813	934	14,9	121
-Professional equipment	0,7	80,6	89,6	11,2	0,1	1 105	1 144	3,5	39
Motor vehicles, parts and accessories and other transport equipment	10,9	85,3	99,3	16,4	1,7	24 208	25 541	5,5	1 333
-Motor vehicles	4,9	73,1	93,4	27,8	1,1	12 015	12 017	0,0	2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	92,8	103,3	11,3	0,1	960	1 076	12,1	116
-Parts and accessories	4,7	92,5	102,7	11,0	0,5	8 814	9 897	12,3	1 083
-Other transport equipment	0,9	108,5	110,2	1,6	0,0	2 419	2 551	5,5	132
Furniture and other manufacturing division	5,2	90,9	88,9	-2,2	-0,1	8 691	9 825	13,0	1 134
-Furniture	1,3	73,5	80,8	9,9	0,1	1 548	1 807	16,7	259
-Other manufacturing groups	3,9	96,7	91,7	-5,2	-0,2	7 143	8 018	12,2	875
Total	100,0	90,2	93,7	3,9	3,9	183 070	197 278	7,8	14 208

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 the estimation of the gross domestic product (GDP).
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
 - the manufacturing, processing, making or packing of products;
 - the slaughtering of animals, including poultry; and
 - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of all Economic Activities (SIC)*, Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities (ISIC)* with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
- Response rate**
- 9 The preliminary response rate for the survey on manufacturing production and sales for February 2011 was 90,9%. Improved response rate for January 2011 was 93,6%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

Survey methodology and design

- 11 The survey is conducted monthly. Questionnaires are sent to a sample of 3 027 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up non-respondents.
- 12 The value of sales of manufactured products is obtained monthly from the sample of 3 027 enterprises, which was drawn in April 2010 from a population then of 53 562 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, and for size groups three and four (small) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size groups two, three and four of that major group to reflect the total value of sales of the major group.
- 13 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the Production Price Index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 14 More direct indicators are used for the value of production of tobacco, coke and refined petroleum products, basic iron and steel products, basic precious and non-ferrous metal products, motor vehicles and parts and accessories for motor vehicles. The volume indices for these major groups are calculated on the basis of physical quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

Weighting methodology

- 15 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures, which are in line with international best practice, are described in more detail on the Stats SA website at www.statssa.gov.za/publications/publicationsearch.asp.
- 16 For indices, a weight is calculated for every major group according to the value added of the major group relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing or large sample survey of the manufacturing industry. For the period 1998 to 2000, the weights are based on the 1996 Census of Manufacturing. For the period 2001 to 2004, the weights are based on the 2001 large sample survey of the manufacturing industry (LSS) and for the period 2005 to 2010, the weights are based on the 2005 LSS. Weights between census / LSS years are fixed. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total physical volume of manufacturing production (see Table D for the fixed weights which were used for the three periods 1998 to 2000, 2001 to 2004 and 2005 to 2010).

Seasonal adjustment

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

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

Technical notes**26 Neyman optimal allocation**

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

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

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

Class limits: Manufacturing

Enterprise size	Lower limits	Upper limits
Very small	0	12 500 000
Small	12 500 001	32 500 000
Medium	32 500 001	127 500 000
Large	127 500 001	

Glossary

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

Turnover excludes -

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

Weight

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

Table D – Weights according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights according to the 1996 Census of Manufacturing 1998 - 2000	Weights according to the 2001 LSS of the manufacturing industry 2001 - 2004	Weights according to the 2005 LSS of the manufacturing industry 2005 - 2010
Food and beverages	15,3	16,4	15,4
-Meat, fish, fruit, etc.	2,8	2,6	1,8
-Dairy products	1,4	1,1	0,8
-Grain mill products	2,1	1,5	0,8
-Other food products	4,4	6,8	5,2
-Beverages	4,6	4,3	6,8
Textiles, clothing, leather and footwear	7,8	5,4	4,9
-Textiles	1,7	1,2	0,7
-Other textile products	1,2	1,2	0,9
-Knitted, crocheted articles	0,6	0,3	0,2
-Wearing apparel	3,0	2,0	2,1
-Tanning, dressing of leather	0,4	0,3	0,6
-Footwear	0,9	0,4	0,4
Wood and wood products, paper, publishing and printing	11,4	11,0	10,2
-Sawmilling and planing of wood	0,8	0,7	0,7
-Products of wood	1,2	1,0	1,3
-Paper and paper products	5,3	4,8	3,8
-Publishing	1,5	2,4	1,9
-Printing, recorded media	2,6	2,1	2,5
Petroleum, chemical products, rubber and plastic products	19,3	22,5	22,1
-Coke, petroleum products and nuclear fuel	4,2	9,1	8,5
-Basic chemicals	4,5	4,0	4,5
-Other chemical products	6,2	5,4	5,3
-Rubber products	1,4	1,1	1,0
-Plastic products	3,1	3,0	2,7
Glass and non-metallic mineral products	4,5	3,9	4,8
-Glass and glass products	1,0	1,1	1,0
-Non-metallic mineral products	3,5	2,9	3,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	23,6	22,4	22,9
-Basic iron and steel products	7,6	5,5	7,7
-Non-ferrous metal products	3,2	4,7	3,4
-Structural metal products	2,4	1,3	2,0
-Other fabricated metal products	4,6	4,2	3,8
-General purpose machinery	2,5	2,4	2,4
-Special purpose machinery	2,9	3,2	3,1
-Household appliances	0,4	1,2	0,6
Electrical machinery	3,4	2,7	2,5
Radio, television and communication apparatus and professional equipment	1,5	1,3	1,1
-Radio, television and communication apparatus	1,0	0,7	0,4
-Professional equipment	0,5	0,6	0,7
Motor vehicles, parts and accessories and other transport equipment	9,1	8,6	10,9
-Motor vehicles	4,5	4,1	4,9
-Bodies for motor vehicles, trailers and semi -trailers	0,5	0,4	0,5
-Parts and accessories	3,0	3,1	4,7
-Other transport equipment	1,0	1,0	0,9
Other manufacturing divisions	4,1	5,8	5,2
-Furniture	1,6	1,6	1,3
-Other manufacturing groups	2,6	4,2	3,9
Total	100,0	100,0	100,0

General information

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

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