

---

# Statistical release

## P3041.2

# Manufacturing: Production and sales (Preliminary)

**March 2011**

**Embargoed until:  
11 May 2011  
13:00**

**Enquiries:**

User information services  
Tel. (012) 310 8600/8390/8351

**Forthcoming issue:**

April 2011

**Expected release date**

9 June 2011

## Contents

<b>Key figures for March 2011</b> .....	<b>2</b>
Table A – Manufacturing production and sales .....	2
Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production .....	3
Figure 1 – Index of the physical volume of manufacturing production: 2005 – 2011 .....	4
Table C – Contribution of manufacturing divisions and major groups to the three-monthly total seasonally adjusted sales of the manufacturing industry at current prices .....	5
Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2005 – 2011 .....	6
<b>Detailed results</b> .....	<b>7</b>
Table 1 – Total index of the physical volume of manufacturing production: 2005 – 2011 .....	7
Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2005 – 2011 .....	7
Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2005 – 2011 .....	7
Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups .....	8
Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded) .....	9
Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2005 – 2011 .....	10
Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: .....	10
Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2005 – 2011 .....	10
Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) .....	11
Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) (concluded) .....	12
Table 9 – Annual percentage change in the cumulative physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups .....	13
<b>Explanatory notes</b> .....	<b>14</b>
<b>Glossary</b> .....	<b>18</b>
<b>Table D – Weights according to manufacturing divisions and major groups</b> .....	<b>20</b>
<b>General information</b> .....	<b>21</b>

## Key figures for March 2011

**Table A – Manufacturing production and sales**

Estimates	March 2011	% change between March 2010 and March 2011	% change between January to March 2010 and January to March 2011
Physical volume of manufacturing production index (2005=100)	109,9	4,6	4,1
Total estimated sales of manufactured products (R million)	119 112	9,1	8,2

Seasonally adjusted estimates	March 2011	% change between February and March 2011	% change between October to December 2010 and January to March 2011
Physical volume of manufacturing production index (2005=100)	106,9	1,6	4,0
Total value of sales of manufactured products (R million)	115 716	4,0	4,7

**Manufacturing production for the first quarter of 2011 reflected an increase of 4,1% compared with the first quarter of 2010. Higher production for the first quarter of 2011 was reported by eight of the ten manufacturing divisions.**

The annual increase of 4,1% was mainly due to higher production in the motor vehicles, parts and accessories and other transport equipment division (15,9% and contributing 1,6 percentage points), the petroleum, chemical products, rubber and plastic products division (5,1% and contributing 1,2 percentage points), the food and beverages division (3,9% and contributing 0,7 of a percentage point) and the wood and wood products, paper, publishing and printing division (5,6% and contributing 0,5 of a percentage point) (see Table 9).

**Manufacturing production for March 2011 increased by 4,6% compared with March 2010.**

Manufacturing production increased by 4,6% year-on-year in March 2011, lower than the revised 5,7% increase in February 2011 compared with February 2010. The 4,6% increase was mainly driven by higher production in the petroleum, chemical products, rubber and plastic products division (7,1% and contributing 1,7 percentage points), the motor vehicles, parts and accessories and other transport equipment division (15,4% and contributing 1,6 percentage points), the electrical machinery division (8,9% and contributing 0,3 of a percentage point), the furniture and other manufacturing division (7,3% and contributing 0,3 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 4b).

**Seasonally adjusted manufacturing production for the first quarter of 2011 increased by 4,0% compared with the fourth quarter of 2010. Seven of the ten manufacturing divisions reported positive growth rates over this period.**

The increase was mainly due to higher production in the petroleum, chemical products, rubber and plastic products division (6,9% and contributing 1,6 percentage points), the basic iron and steel, non-ferrous metal products, metal products and machinery division (6,3% and contributing 1,2 percentage points), the furniture and other manufacturing division (11,0% and contributing 0,5 of a percentage point) and the motor vehicles, parts and accessories and other transport equipment division (3,8% and contributing 0,4 of a percentage point) (see Table B).

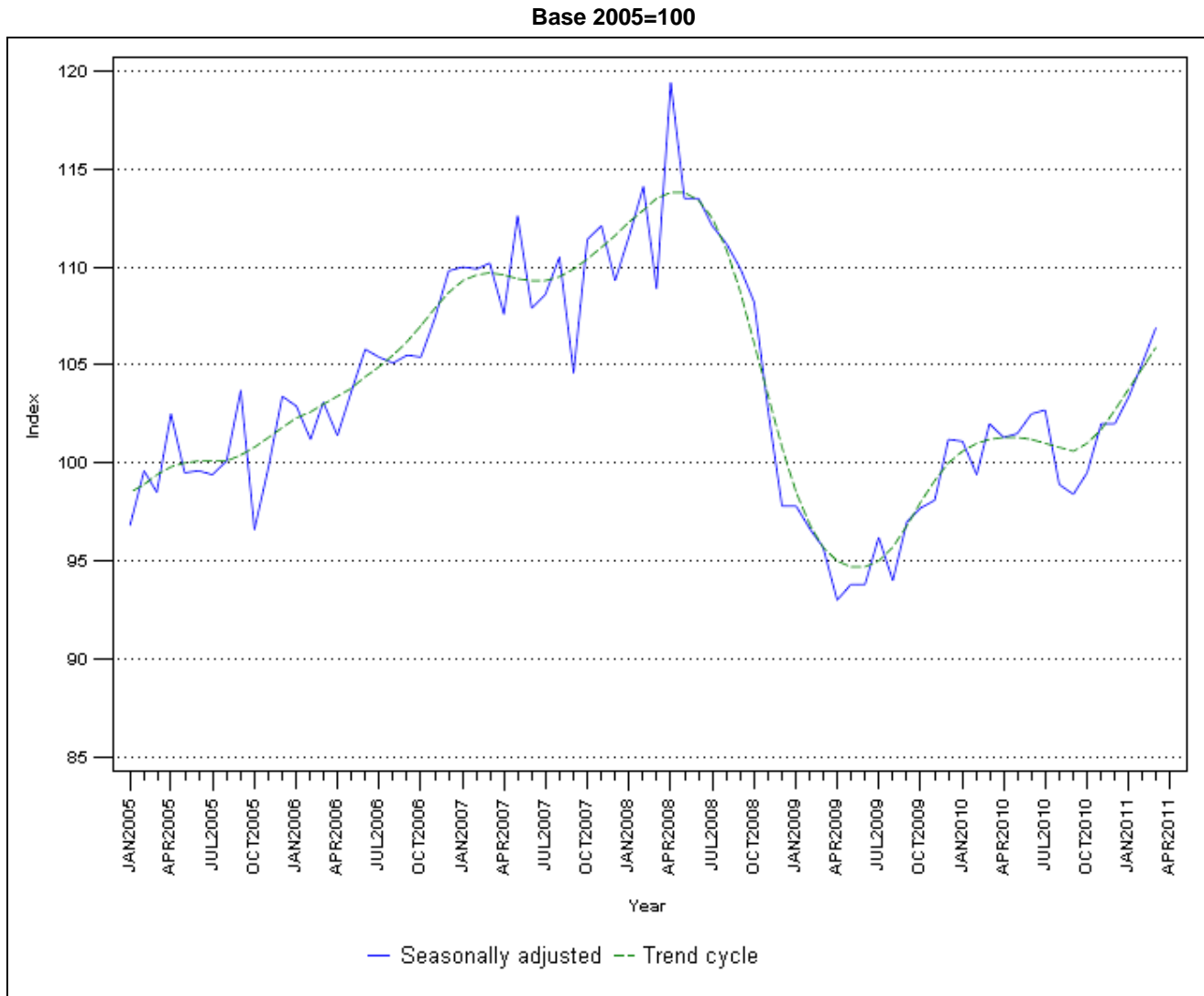
**Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production**

**Base 2005=100**

Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2005	Average seasonally adjusted production index for October to December 2010	Average seasonally adjusted production index for January to March 2011	Quarterly percentage change of January to March 2011 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
<b>Food and beverages</b>	<b>15,4</b>	<b>119,1</b>	<b>118,2</b>	<b>-0,8</b>	<b>-0,1</b>
-Meat, fish, fruit, etc.	1,8	119,7	115,5	-3,5	-0,1
-Dairy products	0,8	113,2	115,3	1,9	0,0
-Grain mill products	0,8	109,3	107,8	-1,4	0,0
-Other food products	5,2	119,0	116,2	-2,4	-0,1
-Beverages	6,8	120,9	122,1	1,0	0,1
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>82,5</b>	<b>81,1</b>	<b>-1,7</b>	<b>-0,1</b>
-Textiles	1,6	68,5	68,4	-0,1	0,0
-Wearing apparel	2,3	84,5	81,2	-3,9	-0,1
-Leather and leather products	0,6	91,8	95,9	4,5	0,0
-Footwear	0,4	109,8	106,3	-3,2	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>97,4</b>	<b>99,2</b>	<b>1,8</b>	<b>0,2</b>
-Wood and products of wood	2,0	89,2	88,0	-1,3	0,0
-Paper and paper products	3,8	114,0	112,6	-1,2	-0,1
-Publishing and printing	4,3	86,4	92,5	7,1	0,3
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>108,5</b>	<b>116,0</b>	<b>6,9</b>	<b>1,6</b>
-Coke, petroleum products and nuclear fuel	8,5	85,5	97,8	14,4	1,0
-Basic chemicals	4,5	124,1	134,8	8,6	0,5
-Other chemical products	5,3	117,0	118,7	1,5	0,1
-Rubber products	1,0	89,3	96,9	8,5	0,1
-Plastic products	2,7	144,8	143,2	-1,1	0,0
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>93,4</b>	<b>92,9</b>	<b>-0,5</b>	<b>0,0</b>
-Glass and glass products	1,0	120,4	119,0	-1,2	0,0
-Non-metallic mineral products	3,8	86,6	86,4	-0,2	0,0
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>86,9</b>	<b>92,4</b>	<b>6,3</b>	<b>1,2</b>
-Basic iron and steel products	7,7	73,5	85,8	16,7	0,9
-Basic precious, non-ferrous metal products	3,4	102,9	106,9	3,9	0,1
-Fabricated metal products	5,7	103,7	107,0	3,2	0,2
-Machinery and equipment	6,1	78,9	78,5	-0,5	0,0
<b>Electrical machinery</b>	<b>2,5</b>	<b>129,4</b>	<b>135,8</b>	<b>4,9</b>	<b>0,2</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>97,2</b>	<b>100,9</b>	<b>3,8</b>	<b>0,0</b>
-Radio, television and communication apparatus	0,4	98,2	100,6	2,4	0,0
-Professional equipment	0,7	96,6	101,1	4,7	0,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>106,5</b>	<b>110,5</b>	<b>3,8</b>	<b>0,4</b>
-Motor vehicles	4,9	99,6	104,8	5,2	0,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	124,6	130,1	4,4	0,0
-Parts and accessories	4,7	109,6	113,0	3,1	0,2
-Other transport equipment	0,9	118,0	117,5	-0,4	0,0
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>88,1</b>	<b>97,8</b>	<b>11,0</b>	<b>0,5</b>
-Furniture	1,3	90,9	100,0	10,0	0,1
-Other manufacturing groups	3,9	87,1	97,0	11,4	0,4
<b>Total</b>	<b>100,0</b>	<b>101,2</b>	<b>105,2</b>	<b>4,0</b>	<b>4,0</b>

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



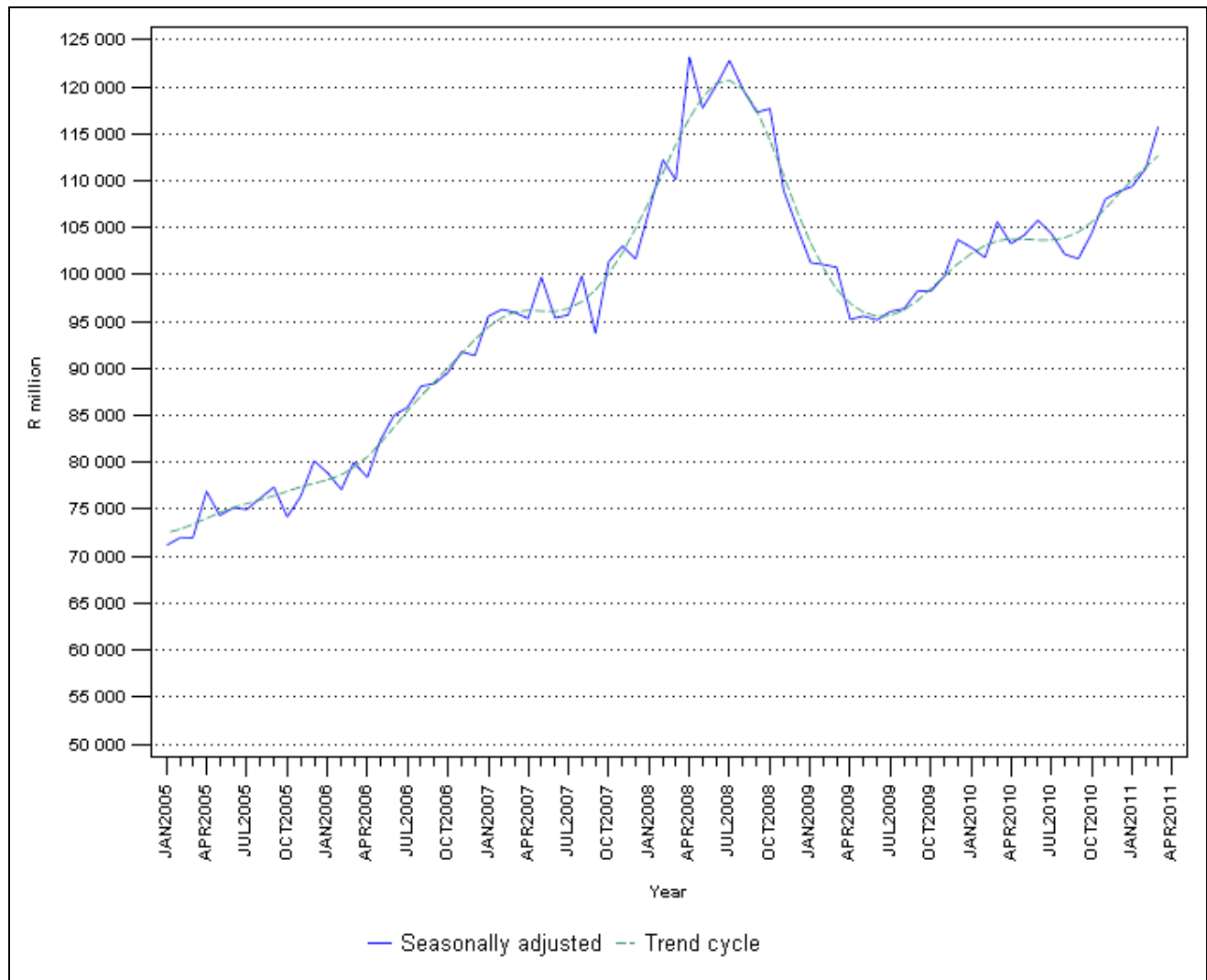
**Seasonally adjusted sales of manufactured products at current prices increased by 4,7% (R15 193 million) in the first quarter of 2011 compared with fourth quarter of 2010. Eight of the ten manufacturing divisions reported positive growth rates over this period (see Table C).**

The large increases reported by the petroleum, chemical products, rubber and plastic products division (10,7% or R7 652 million) and the basic iron and steel, non-ferrous metal products, metal products and machinery division (7,7% or R5 292 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 October to December 2010	Seasonally adjusted sales January to March 2011	Percentage change between October to December 2010 and January to March 2011	Difference in seasonally adjusted sales of manufacturing divisions between October to December 2010 and January to March 2011
	R'000	R'000	%	R'000
<b>Food and beverages</b>	<b>63 398 113</b>	<b>64 225 754</b>	<b>1,3</b>	<b>827 641</b>
-Food and food products	47 456 117	48 245 315	1,7	789 198
-Beverages	15 941 996	15 980 439	0,2	38 443
<b>Textiles, clothing, leather and footwear</b>	<b>9 114 041</b>	<b>9 155 566</b>	<b>0,5</b>	<b>41 525</b>
-Textiles	3 618 062	3 701 032	2,3	82 970
-Wearing apparel	3 542 377	3 417 519	-3,5	-124 858
-Leather and leather products	1 025 646	1 104 846	7,7	79 200
-Footwear	927 957	932 168	0,5	4 211
<b>Wood and wood products, paper, publishing and printing</b>	<b>27 440 326</b>	<b>27 905 350</b>	<b>1,7</b>	<b>465 024</b>
-Wood and products of wood	5 882 298	6 027 635	2,5	145 337
-Paper and paper products	12 829 431	12 639 175	-1,5	-190 256
-Publishing and printing	8 728 598	9 238 538	5,8	509 940
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>71 234 005</b>	<b>78 886 025</b>	<b>10,7</b>	<b>7 652 020</b>
-Coke, petroleum products and nuclear fuel	23 382 251	30 077 571	28,6	6 695 320
-Basic chemicals	16 493 413	16 555 860	0,4	62 447
-Other chemical products	17 563 719	18 040 351	2,7	476 632
-Rubber products	3 173 002	3 478 623	9,6	305 621
-Plastic products	10 621 622	10 733 622	1,1	112 000
<b>Glass and non-metallic mineral products</b>	<b>10 452 561</b>	<b>10 421 701</b>	<b>-0,3</b>	<b>-30 860</b>
-Glass and glass products	1 865 976	1 846 761	-1,0	-19 215
-Non-metallic mineral products	8 586 585	8 574 940	-0,1	-11 645
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>68 314 149</b>	<b>73 605 988</b>	<b>7,7</b>	<b>5 291 839</b>
-Basic iron and steel products	24 177 737	26 283 871	8,7	2 106 134
-Basic precious, non-ferrous metal products	12 927 617	15 452 693	19,5	2 525 076
-Fabricated metal products	15 642 925	16 417 627	5,0	774 702
-Machinery and equipment	15 565 872	15 451 796	-0,7	-114 076
<b>Electrical machinery</b>	<b>9 505 355</b>	<b>10 293 532</b>	<b>8,3</b>	<b>788 177</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>3 399 540</b>	<b>3 483 238</b>	<b>2,5</b>	<b>83 698</b>
-Radio, television and communication apparatus	1 493 932	1 556 542	4,2	62 610
-Professional equipment	1 905 608	1 926 696	1,1	21 088
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>43 656 738</b>	<b>43 029 323</b>	<b>-1,4</b>	<b>-627 415</b>
-Motor vehicles, trailers, parts and accessories	39 579 454	38 733 817	-2,1	-845 637
-Other transport equipment	4 077 283	4 295 507	5,4	218 224
<b>Furniture and other manufacturing division</b>	<b>14 691 945</b>	<b>15 393 200</b>	<b>4,8</b>	<b>701 255</b>
-Furniture	3 042 894	3 437 043	13,0	394 149
-Other manufacturing groups	11 649 051	11 956 157	2,6	307 106
<b>Total</b>	<b>321 206 773</b>	<b>336 399 677</b>	<b>4,7</b>	<b>15 192 904</b>

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



**PJ Lehohla**  
**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/ 87,8
Feb	95,5	96,8	104,9	108,5	91,7	94,1	1/ 99,5
Mar	101,7	106,3	113,5	111,9	98,5	105,1	1/ 109,9
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	90,8	
Year	100,0	104,8	109,6	110,4	96,2	100,9	

1/ Preliminary.

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

Month	2005	2006	2007	2008	2009	2010	2011
Jan	3,1	5,4	6,1	0,7	-12,9	3,2	1,7
Feb	4,4	1,4	8,4	3,4	-15,5	2,6	5,7
Mar	0,9	4,5	6,8	-1,4	-12,0	6,7	4,6
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	96,8	102,9	110,0	111,6	97,8	101,1	103,4
Feb	99,6	101,2	109,9	114,1	96,6	99,4	105,2
Mar	98,5	103,1	110,2	108,9	95,7	102,0	106,9
Apr	102,5	101,4	107,6	119,4	93,0	101,3	
May	99,5	103,6	112,6	113,5	93,8	101,5	
Jun	99,6	105,8	107,9	113,5	93,8	102,5	
Jul	99,4	105,4	108,6	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	109,9	97,0	98,4	
Oct	96,6	105,4	111,4	108,2	97,7	99,5	
Nov	99,8	107,4	112,1	102,6	98,1	102,0	
Dec	103,4	109,8	109,3	97,8	101,2	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		
			March 2010	1/ February 2011	1/ March 2011	March 2010	February 2011	March 2011
<b>Food and beverages</b>	<b>15,4</b>	<b>116,5</b>	<b>118,0</b>	<b>107,0</b>	<b>119,0</b>	<b>117,9</b>	<b>118,1</b>	<b>119,3</b>
-Meat, fish, fruit, etc.	1,8	115,4	129,3	110,1	127,9	117,3	115,4	116,2
-Dairy products	0,8	111,6	109,1	109,8	116,6	109,2	117,2	117,0
-Grain mill products	0,8	110,4	120,1	98,9	119,1	111,2	108,4	109,8
-Other food products	5,2	116,4	96,6	93,7	101,4	109,6	117,5	115,1
-Beverages	6,8	118,2	132,0	117,0	130,2	126,2	120,5	124,7
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>84,1</b>	<b>90,7</b>	<b>80,4</b>	<b>87,6</b>	<b>85,6</b>	<b>80,5</b>	<b>82,6</b>
-Textiles	0,7	66,5	79,0	64,8	75,4	68,6	59,3	65,2
-Other textile products	0,9	73,1	78,8	78,0	73,2	76,2	73,9	70,8
-Knitted, crocheted articles	0,2	103,6	126,4	104,3	125,4	110,2	100,5	108,4
-Wearing apparel	2,1	86,5	91,4	76,0	85,7	87,2	78,4	81,4
-Leather and leather products	0,6	90,4	94,3	101,2	102,0	90,2	98,1	98,4
-Footwear	0,4	107,3	113,3	93,2	112,1	109,9	106,1	108,9
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>96,6</b>	<b>97,6</b>	<b>94,8</b>	<b>101,0</b>	<b>94,6</b>	<b>98,8</b>	<b>97,9</b>
-Sawmilling and planing of wood	0,7	84,0	90,5	82,9	91,8	83,7	81,7	85,2
-Products of wood	1,3	87,7	89,3	84,5	91,1	87,0	89,7	88,9
-Paper and paper products	3,8	113,3	116,2	104,0	119,1	112,8	111,7	115,2
-Publishing	1,9	81,1	83,6	82,0	87,0	80,7	84,0	83,9
-Printing, recorded media	2,5	90,6	85,7	99,0	91,2	84,0	99,7	89,8
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>111,3</b>	<b>112,2</b>	<b>107,9</b>	<b>120,2</b>	<b>110,7</b>	<b>116,6</b>	<b>118,8</b>
-Coke, petroleum products and nuclear fuel	8,5	92,8	89,0	86,7	104,0	88,9	99,6	103,9
-Basic chemicals	4,5	126,2	116,6	122,2	125,8	125,3	133,6	135,9
-Other chemical products	5,3	117,2	128,7	116,7	128,6	119,3	120,8	119,0
-Rubber products	1,0	82,5	93,0	98,8	111,1	84,0	93,5	100,1
-Plastic products	2,7	143,4	151,8	136,7	148,2	147,1	142,0	143,6
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>93,9</b>	<b>94,6</b>	<b>86,6</b>	<b>95,5</b>	<b>93,2</b>	<b>93,6</b>	<b>94,2</b>
-Glass and glass products	1,0	120,7	107,0	119,2	104,4	118,5	119,7	116,2
-Non-metallic mineral products	3,8	87,2	91,5	78,4	93,3	86,9	87,1	88,7
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>89,3</b>	<b>98,4</b>	<b>87,7</b>	<b>99,3</b>	<b>93,1</b>	<b>93,2</b>	<b>94,6</b>
-Basic iron and steel products	7,7	80,1	87,8	80,6	87,8	88,6	90,0	89,1
-Non-ferrous metal products	3,4	100,3	104,3	100,3	110,3	99,7	106,1	105,5
-Structural metal products	2,0	92,9	83,9	95,9	97,2	83,8	98,9	97,6
-Other fabricated metal products	3,8	106,1	111,4	104,4	123,4	103,1	108,4	114,4
-General purpose machinery	2,4	70,1	72,7	64,3	71,1	71,5	69,1	70,1
-Special purpose machinery	3,1	89,9	130,4	81,7	108,2	106,9	82,0	88,0
-Household appliances	0,6	98,4	104,5	97,2	107,3	96,3	97,0	98,6
<b>Electrical machinery</b>	<b>2,5</b>	<b>127,6</b>	<b>141,6</b>	<b>132,6</b>	<b>154,2</b>	<b>129,7</b>	<b>133,9</b>	<b>141,1</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>94,2</b>	<b>97,4</b>	<b>108,8</b>	<b>107,1</b>	<b>95,9</b>	<b>108,1</b>	<b>105,1</b>
-Radio, television and communication apparatus	0,4	92,0	98,9	119,9	106,2	96,7	118,4	104,1
-Professional equipment	0,7	95,7	96,5	101,7	107,6	95,4	101,5	105,7
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>96,0</b>	<b>101,7</b>	<b>108,7</b>	<b>117,4</b>	<b>96,7</b>	<b>111,2</b>	<b>111,3</b>
-Motor vehicles	4,9	85,5	88,3	107,3	114,4	84,0	105,2	108,4
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,9	131,4	122,1	147,0	123,7	126,4	137,6
-Parts and accessories	4,7	100,2	109,0	108,1	113,1	105,7	115,1	109,7
-Other transport equipment	0,9	117,8	119,9	112,2	139,6	104,3	115,6	121,6
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>91,8</b>	<b>94,3</b>	<b>95,0</b>	<b>101,2</b>	<b>94,2</b>	<b>91,2</b>	<b>101,3</b>
-Furniture	1,3	92,1	83,4	88,9	89,0	92,1	93,4	98,7
-Other manufacturing groups	3,9	91,7	98,0	97,0	105,3	94,9	90,5	102,1
<b>Total</b>	<b>100,0</b>	<b>100,9</b>	<b>105,1</b>	<b>99,5</b>	<b>109,9</b>	<b>102,0</b>	<b>105,2</b>	<b>106,9</b>

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		
			March 2010	1/ March 2011	Percentage change between March 2010 and March 2011	February 2011	March 2011	Percentage change between February and March 2011
<b>Food and beverages</b>	<b>15,4</b>	<b>116,5</b>	<b>118,0</b>	<b>119,0</b>	<b>0,8</b>	<b>118,1</b>	<b>119,3</b>	<b>1,0</b>
-Meat, fish, fruit, etc.	1,8	115,4	129,3	127,9	-1,1	115,4	116,2	0,7
-Dairy products	0,8	111,6	109,1	116,6	6,9	117,2	117,0	-0,2
-Grain mill products	0,8	110,4	120,1	119,1	-0,8	108,4	109,8	1,3
-Other food products	5,2	116,4	96,6	101,4	5,0	117,5	115,1	-2,0
-Beverages	6,8	118,2	132,0	130,2	-1,4	120,5	124,7	3,5
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>84,1</b>	<b>90,7</b>	<b>87,6</b>	<b>-3,4</b>	<b>80,5</b>	<b>82,6</b>	<b>2,6</b>
-Textiles	0,7	66,5	79,0	75,4	-4,6	59,3	65,2	9,9
-Other textile products	0,9	73,1	78,8	73,2	-7,1	73,9	70,8	-4,2
-Knitted, crocheted articles	0,2	103,6	126,4	125,4	-0,8	100,5	108,4	7,9
-Wearing apparel	2,1	86,5	91,4	85,7	-6,2	78,4	81,4	3,8
-Leather and leather products	0,6	90,4	94,3	102,0	8,2	98,1	98,4	0,3
-Footwear	0,4	107,3	113,3	112,1	-1,1	106,1	108,9	2,6
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>96,6</b>	<b>97,6</b>	<b>101,0</b>	<b>3,5</b>	<b>98,8</b>	<b>97,9</b>	<b>-0,9</b>
-Sawmilling and planing of wood	0,7	84,0	90,5	91,8	1,4	81,7	85,2	4,3
-Products of wood	1,3	87,7	89,3	91,1	2,0	89,7	88,9	-0,9
-Paper and paper products	3,8	113,3	116,2	119,1	2,5	111,7	115,2	3,1
-Publishing	1,9	81,1	83,6	87,0	4,1	84,0	83,9	-0,1
-Printing, recorded media	2,5	90,6	85,7	91,2	6,4	99,7	89,8	-9,9
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>111,3</b>	<b>112,2</b>	<b>120,2</b>	<b>7,1</b>	<b>116,6</b>	<b>118,8</b>	<b>1,9</b>
-Coke, petroleum products and nuclear fuel	8,5	92,8	89,0	104,0	16,9	99,6	103,9	4,3
-Basic chemicals	4,5	126,2	116,6	125,8	7,9	133,6	135,9	1,7
-Other chemical products	5,3	117,2	128,7	128,6	-0,1	120,8	119,0	-1,5
-Rubber products	1,0	82,5	93,0	111,1	19,5	93,5	100,1	7,1
-Plastic products	2,7	143,4	151,8	148,2	-2,4	142,0	143,6	1,1
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>93,9</b>	<b>94,6</b>	<b>95,5</b>	<b>1,0</b>	<b>93,6</b>	<b>94,2</b>	<b>0,6</b>
-Glass and glass products	1,0	120,7	107,0	104,4	-2,4	119,7	116,2	-2,9
-Non-metallic mineral products	3,8	87,2	91,5	93,3	2,0	87,1	88,7	1,8
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>89,3</b>	<b>98,4</b>	<b>99,3</b>	<b>0,9</b>	<b>93,2</b>	<b>94,6</b>	<b>1,5</b>
-Basic iron and steel products	7,7	80,1	87,8	87,8	0,0	90,0	89,1	-1,0
-Non-ferrous metal products	3,4	100,3	104,3	110,3	5,8	106,1	105,5	-0,6
-Structural metal products	2,0	92,9	83,9	97,2	15,9	98,9	97,6	-1,3
-Other fabricated metal products	3,8	106,1	111,4	123,4	10,8	108,4	114,4	5,5
-General purpose machinery	2,4	70,1	72,7	71,1	-2,2	69,1	70,1	1,4
-Special purpose machinery	3,1	89,9	130,4	108,2	-17,0	82,0	88,0	7,3
-Household appliances	0,6	98,4	104,5	107,3	2,7	97,0	98,6	1,6
<b>Electrical machinery</b>	<b>2,5</b>	<b>127,6</b>	<b>141,6</b>	<b>154,2</b>	<b>8,9</b>	<b>133,9</b>	<b>141,1</b>	<b>5,4</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>94,2</b>	<b>97,4</b>	<b>107,1</b>	<b>10,0</b>	<b>108,1</b>	<b>105,1</b>	<b>-2,8</b>
-Radio, television and communication apparatus	0,4	92,0	98,9	106,2	7,4	118,4	104,1	-12,1
-Professional equipment	0,7	95,7	96,5	107,6	11,5	101,5	105,7	4,1
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>96,0</b>	<b>101,7</b>	<b>117,4</b>	<b>15,4</b>	<b>111,2</b>	<b>111,3</b>	<b>0,1</b>
-Motor vehicles	4,9	85,5	88,3	114,4	29,6	105,2	108,4	3,0
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,9	131,4	147,0	11,9	126,4	137,6	8,9
-Parts and accessories	4,7	100,2	109,0	113,1	3,8	115,1	109,7	-4,7
-Other transport equipment	0,9	117,8	119,9	139,6	16,4	115,6	121,6	5,2
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>91,8</b>	<b>94,3</b>	<b>101,2</b>	<b>7,3</b>	<b>91,2</b>	<b>101,3</b>	<b>11,1</b>
-Furniture	1,3	92,1	83,4	89,0	6,7	93,4	98,7	5,7
-Other manufacturing groups	3,9	91,7	98,0	105,3	7,4	90,5	102,1	12,8
<b>Total</b>	<b>100,0</b>	<b>100,9</b>	<b>105,1</b>	<b>109,9</b>	<b>4,6</b>	<b>105,2</b>	<b>106,9</b>	<b>1,6</b>

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/ 91 669 648
Feb	69 193 109	73 901 384	91 988 434	106 616 455	96 192 926	96 905 945	1/ 105 469 468
Mar	73 858 342	82 047 327	98 673 703	112 950 687	103 814 911	109 176 123	1/ 119 112 399
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	98 464 430	
Year	<b>901 374 707</b>	<b>1 018 824 943</b>	<b>1 174 180 497</b>	<b>1 385 999 216</b>	<b>1 180 115 947</b>	<b>1 252 996 851</b>	

1/ Preliminary.

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

Month	2005	2006	2007	2008	2009	2010	2011
Jan	5,1	10,7	21,1	11,9	-5,9	1,6	6,4
Feb	4,0	6,8	24,5	15,9	-9,8	0,7	8,8
Mar	1,4	11,1	20,3	14,5	-8,1	5,2	9,1
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	<b>6,2</b>	<b>13,0</b>	<b>15,2</b>	<b>18,0</b>	<b>-14,9</b>	<b>6,2</b>	

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	71 181 541	78 880 393	95 564 514	106 888 497	101 268 434	102 874 213	109 387 749
Feb	72 006 741	77 091 588	96 294 568	112 205 494	101 040 378	101 812 078	111 296 210
Mar	71 972 653	80 002 739	95 967 357	110 098 973	100 766 019	105 602 447	115 715 718
Apr	76 902 279	78 409 939	95 324 511	123 156 381	95 215 075	103 290 765	
May	74 349 138	82 405 703	99 700 240	117 734 265	95 584 755	104 183 544	
Jun	75 172 296	85 020 262	95 387 754	120 139 465	95 156 783	105 774 873	
Jul	74 977 092	85 852 181	95 690 799	122 792 633	96 055 310	104 407 034	
Aug	76 189 035	88 104 524	99 853 802	119 670 843	96 350 368	102 156 601	
Sep	77 361 100	88 400 770	93 731 754	117 273 106	98 240 567	101 686 949	
Oct	74 189 260	89 569 023	101 380 775	117 667 642	98 235 151	104 381 575	
Nov	76 399 097	91 783 218	103 039 575	108 943 714	99 829 617	108 021 909	
Dec	80 149 051	91 358 341	101 644 453	105 094 273	103 722 967	108 803 289	

**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		
		March 2010	1/ February 2011	1/ March 2011	March 2010	February 2011	March 2011
<b>Food and beverages</b>	<b>247 861 866</b>	<b>21 261 049</b>	<b>20 107 011</b>	<b>22 133 051</b>	<b>21 169 229</b>	<b>21 264 003</b>	<b>22 023 085</b>
-Meat, fish, fruit, etc.	68 098 286	6 115 556	5 556 207	6 434 441	5 815 292	6 053 828	6 119 245
-Dairy products	21 766 971	1 887 634	1 768 280	1 936 671	1 831 645	1 852 791	1 880 986
-Grain mill products	41 600 010	3 812 587	3 258 536	3 992 309	3 698 105	3 603 628	3 865 143
-Other food products	54 886 397	4 052 682	4 185 064	4 263 321	4 378 772	4 453 682	4 602 312
-Beverages	61 510 202	5 392 590	5 338 924	5 506 309	5 445 414	5 300 074	5 555 400
<b>Textiles, clothing, leather and footwear</b>	<b>37 440 194</b>	<b>3 381 561</b>	<b>2 958 558</b>	<b>3 277 667</b>	<b>3 172 858</b>	<b>3 015 921</b>	<b>3 076 255</b>
-Textiles	5 511 661	534 025	481 303	541 278	471 693	467 411	477 604
-Other textile products	9 422 156	840 378	786 394	780 098	794 492	769 047	742 193
-Knitted, crocheted articles	1 789 747	182 558	150 379	180 968	155 419	149 662	153 408
-Wearing apparel	12 946 861	1 162 792	907 420	1 050 564	1 107 855	965 213	999 626
-Leather and leather products	4 031 752	349 681	369 183	403 179	326 995	363 842	377 437
-Footwear	3 738 017	312 127	263 879	321 580	316 405	300 747	325 986
<b>Wood and wood products, paper, publishing and printing</b>	<b>108 331 794</b>	<b>9 113 686</b>	<b>8 788 130</b>	<b>9 662 739</b>	<b>8 771 423</b>	<b>9 156 558</b>	<b>9 288 848</b>
-Sawmilling and planing of wood	7 162 177	624 644	593 252	649 348	602 785	602 116	627 752
-Products of wood	15 674 954	1 304 798	1 269 816	1 400 470	1 305 788	1 342 807	1 402 976
-Paper and paper products	50 588 982	4 300 163	3 867 562	4 660 278	4 064 763	4 127 166	4 393 073
-Publishing	14 395 096	1 233 960	1 209 312	1 262 003	1 192 113	1 211 513	1 218 117
-Printing, recorded media	20 510 585	1 650 121	1 848 188	1 690 640	1 605 974	1 872 955	1 646 930
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>281 192 361</b>	<b>22 986 441</b>	<b>23 706 059</b>	<b>27 926 976</b>	<b>23 187 589</b>	<b>26 329 730</b>	<b>28 465 708</b>
-Coke, petroleum products and nuclear fuel	96 580 234	7 171 690	8 333 809	10 657 572	7 968 128	10 025 269	11 881 681
-Basic chemicals	60 915 156	5 037 173	5 087 807	5 754 686	4 974 767	5 587 559	5 657 320
-Other chemical products	69 496 277	6 006 830	5 750 786	6 406 445	5 701 644	6 055 591	6 084 447
-Rubber products	12 022 322	1 150 776	1 187 664	1 357 922	1 004 677	1 151 480	1 180 733
-Plastic products	42 178 372	3 619 972	3 345 993	3 750 351	3 538 371	3 509 832	3 661 528
<b>Glass and non-metallic mineral products</b>	<b>41 053 595</b>	<b>3 461 670</b>	<b>3 316 102</b>	<b>3 678 572</b>	<b>3 319 800</b>	<b>3 465 279</b>	<b>3 535 212</b>
-Glass and glass products	7 022 938	478 409	602 705	531 756	534 511	628 118	598 041
-Non-metallic mineral products	34 030 657	2 983 261	2 713 397	3 146 816	2 785 289	2 837 161	2 937 171
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>267 417 493</b>	<b>24 674 214</b>	<b>22 733 368</b>	<b>25 897 400</b>	<b>23 533 085</b>	<b>24 346 739</b>	<b>24 799 487</b>
-Basic iron and steel products	91 933 429	8 208 613	8 002 769	8 725 374	8 411 193	8 830 879	8 910 721
-Non-ferrous metal products	48 179 393	4 049 606	4 529 346	5 331 680	3 857 003	4 988 529	5 082 586
-Structural metal products	21 961 423	1 862 853	1 989 866	2 099 202	1 796 596	2 068 955	2 025 873
-Other fabricated metal products	40 294 797	3 737 502	3 255 807	3 695 966	3 498 621	3 415 579	3 450 745
-General purpose machinery	27 319 528	2 365 309	2 038 185	2 284 742	2 324 468	2 188 548	2 246 901
-Special purpose machinery	28 035 881	3 584 248	2 124 460	2 862 789	2 853 254	2 072 833	2 263 406
-Household appliances	9 693 042	866 083	792 935	897 647	791 950	781 416	819 254
-Electrical machinery	37 583 772	3 423 258	3 352 455	3 848 741	3 193 517	3 357 810	3 596 489
<b>Radio, television and communication apparatus and professional equipment</b>	<b>13 079 544</b>	<b>1 185 453</b>	<b>1 251 003</b>	<b>1 212 893</b>	<b>1 132 381</b>	<b>1 262 867</b>	<b>1 158 146</b>
-Radio, television and communication apparatus	5 511 967	525 068	604 493	510 347	505 045	614 347	492 095
-Professional equipment	7 567 577	660 385	646 510	702 546	627 336	648 519	666 052
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>162 365 788</b>	<b>15 100 402</b>	<b>14 584 497</b>	<b>16 584 452</b>	<b>13 280 498</b>	<b>14 630 626</b>	<b>14 574 807</b>
-Motor vehicles	82 269 350	8 056 372	7 244 527	8 213 247	6 846 025	7 160 739	6 927 446
-Bodies for motor vehicles, trailers and semi-trailers	7 611 222	649 826	643 125	770 309	631 594	691 266	745 937
-Parts and accessories	56 427 275	5 049 496	5 380 490	5 810 732	4 615 395	5 412 213	5 319 003
-Other transport equipment	16 057 941	1 344 708	1 316 355	1 790 164	1 187 483	1 366 408	1 582 422
<b>Furniture and other manufacturing division</b>	<b>56 670 444</b>	<b>4 588 389</b>	<b>4 672 285</b>	<b>4 889 908</b>	<b>4 842 067</b>	<b>4 466 678</b>	<b>5 197 680</b>
-Furniture	12 033 883	889 664	1 006 762	1 011 600	982 815	1 082 856	1 121 347
-Other manufacturing groups	44 636 561	3 698 725	3 665 523	3 878 308	3 859 253	3 383 822	4 076 334
<b>Total</b>	<b>1 252 996 851</b>	<b>109 176 123</b>	<b>105 469 468</b>	<b>119 112 399</b>	<b>105 602 447</b>	<b>111 296 210</b>	<b>115 715 718</b>

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		
		March 2010	1/ March 2011	Percentage change between March 2010 and March 2011	February 2011	March 2011	Percentage change between February and March 2011
<b>Food and beverages</b>	<b>247 861 866</b>	<b>21 261 049</b>	<b>22 133 051</b>	<b>4,1</b>	<b>21 264 003</b>	<b>22 023 085</b>	<b>3,6</b>
-Meat, fish, fruit, etc.	68 098 286	6 115 556	6 434 441	5,2	6 053 828	6 119 245	1,1
-Dairy products	21 766 971	1 887 634	1 936 671	2,6	1 852 791	1 880 986	1,5
-Grain mill products	41 600 010	3 812 587	3 992 309	4,7	3 603 628	3 865 143	7,3
-Other food products	54 886 397	4 052 682	4 263 321	5,2	4 453 682	4 602 312	3,3
-Beverages	61 510 202	5 392 590	5 506 309	2,1	5 300 074	5 555 400	4,8
<b>Textiles, clothing, leather and footwear</b>	<b>37 440 194</b>	<b>3 381 561</b>	<b>3 277 667</b>	<b>-3,1</b>	<b>3 015 921</b>	<b>3 076 255</b>	<b>2,0</b>
-Textiles	5 511 661	534 025	541 278	1,4	467 411	477 604	2,2
-Other textile products	9 422 156	840 378	780 098	-7,2	769 047	742 193	-3,5
-Knitted, crocheted articles	1 789 747	182 558	180 968	-0,9	149 662	153 408	2,5
-Wearing apparel	12 946 861	1 162 792	1 050 564	-9,7	965 213	999 626	3,6
-Leather and leather products	4 031 752	349 681	403 179	15,3	363 842	377 437	3,7
-Footwear	3 738 017	312 127	321 580	3,0	300 747	325 986	8,4
<b>Wood and wood products, paper, publishing and printing</b>	<b>108 331 794</b>	<b>9 113 686</b>	<b>9 662 739</b>	<b>6,0</b>	<b>9 156 558</b>	<b>9 288 848</b>	<b>1,4</b>
-Sawmilling and planing of wood	7 162 177	624 644	649 348	4,0	602 116	627 752	4,3
-Products of wood	15 674 954	1 304 798	1 400 470	7,3	1 342 807	1 402 976	4,5
-Paper and paper products	50 588 982	4 300 163	4 660 278	8,4	4 127 166	4 393 073	6,4
-Publishing	14 395 096	1 233 960	1 262 003	2,3	1 211 513	1 218 117	0,5
-Printing, recorded media	20 510 585	1 650 121	1 690 640	2,5	1 872 955	1 646 930	-12,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>281 192 361</b>	<b>22 986 441</b>	<b>27 926 976</b>	<b>21,5</b>	<b>26 329 730</b>	<b>28 465 708</b>	<b>8,1</b>
-Coke, petroleum products and nuclear fuel	96 580 234	7 171 690	10 657 572	48,6	10 025 269	11 881 681	18,5
-Basic chemicals	60 915 156	5 037 173	5 754 686	14,2	5 587 559	5 657 320	1,2
-Other chemical products	69 496 277	6 006 830	6 406 445	6,7	6 055 591	6 084 447	0,5
-Rubber products	12 022 322	1 150 776	1 357 922	18,0	1 151 480	1 180 733	2,5
-Plastic products	42 178 372	3 619 972	3 750 351	3,6	3 509 832	3 661 528	4,3
<b>Glass and non-metallic mineral products</b>	<b>41 053 595</b>	<b>3 461 670</b>	<b>3 678 572</b>	<b>6,3</b>	<b>3 465 279</b>	<b>3 535 212</b>	<b>2,0</b>
-Glass and glass products	7 022 938	478 409	531 756	11,2	628 118	598 041	-4,8
-Non-metallic mineral products	34 030 657	2 983 261	3 146 816	5,5	2 837 161	2 937 171	3,5
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>267 417 493</b>	<b>24 674 214</b>	<b>25 897 400</b>	<b>5,0</b>	<b>24 346 739</b>	<b>24 799 487</b>	<b>1,9</b>
-Basic iron and steel products	91 933 429	8 208 613	8 725 374	6,3	8 830 879	8 910 721	0,9
-Non-ferrous metal products	48 179 393	4 049 606	5 331 680	31,7	4 988 529	5 082 586	1,9
-Structural metal products	21 961 423	1 862 853	2 099 202	12,7	2 068 955	2 025 873	-2,1
-Other fabricated metal products	40 294 797	3 737 502	3 695 966	-1,1	3 415 579	3 450 745	1,0
-General purpose machinery	27 319 528	2 365 309	2 284 742	-3,4	2 188 548	2 246 901	2,7
-Special purpose machinery	28 035 881	3 584 248	2 862 789	-20,1	2 072 833	2 263 406	9,2
-Household appliances	9 693 042	866 083	897 647	3,6	781 416	819 254	4,8
<b>Electrical machinery</b>	<b>37 583 772</b>	<b>3 423 258</b>	<b>3 848 741</b>	<b>12,4</b>	<b>3 357 810</b>	<b>3 596 489</b>	<b>7,1</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>13 079 544</b>	<b>1 185 453</b>	<b>1 212 893</b>	<b>2,3</b>	<b>1 262 867</b>	<b>1 158 146</b>	<b>-8,3</b>
-Radio, television and communication apparatus	5 511 967	525 068	510 347	-2,8	614 347	492 095	-19,9
-Professional equipment	7 567 577	660 385	702 546	6,4	648 519	666 052	2,7
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>162 365 788</b>	<b>15 100 402</b>	<b>16 584 452</b>	<b>9,8</b>	<b>14 630 626</b>	<b>14 574 807</b>	<b>-0,4</b>
-Motor vehicles	82 269 350	8 056 372	8 213 247	1,9	7 160 739	6 927 446	-3,3
-Bodies for motor vehicles, trailers and semi-trailers	7 611 222	649 826	770 309	18,5	691 266	745 937	7,9
-Parts and accessories	56 427 275	5 049 496	5 810 732	15,1	5 412 213	5 319 003	-1,7
-Other transport equipment	16 057 941	1 344 708	1 790 164	33,1	1 366 408	1 582 422	15,8
<b>Furniture and other manufacturing division</b>	<b>56 670 444</b>	<b>4 588 389</b>	<b>4 889 908</b>	<b>6,6</b>	<b>4 466 678</b>	<b>5 197 680</b>	<b>16,4</b>
-Furniture	12 033 883	889 664	1 011 600	13,7	1 082 856	1 121 347	3,6
-Other manufacturing groups	44 636 561	3 698 725	3 878 308	4,9	3 383 822	4 076 334	20,5
<b>Total</b>	<b>1 252 996 851</b>	<b>109 176 123</b>	<b>119 112 399</b>	<b>9,1</b>	<b>111 296 210</b>	<b>115 715 718</b>	<b>4,0</b>

1/ Preliminary.

**Table 9 – 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 Mar. 2010	Jan. to Mar. 2011	Annual percentage change between 2010 and 2011	Contribution (percentage points) 1/	Jan. to Mar. 2010	Jan. to Mar. 2011	Annual percentage change between 2010 and 2011	Difference in sales between 2010 and 2011
<b>Food and beverages</b>	<b>15,4</b>	<b>103,9</b>	<b>108,0</b>	<b>3,9</b>	<b>0,7</b>	<b>57 100</b>	<b>60 206</b>	<b>5,4</b>	<b>3 106</b>
-Meat, fish, fruit, etc.	1,8	109,5	111,9	2,2	0,0	15 598	16 951	8,7	1 353
-Dairy products	0,8	106,2	112,7	6,1	0,1	5 125	5 437	6,1	312
-Grain mill products	0,8	105,5	104,0	-1,4	0,0	10 034	10 251	2,2	217
-Other food products	5,2	87,0	92,8	6,7	0,3	12 055	12 445	3,2	390
-Beverages	6,8	114,9	118,4	3,0	0,3	14 288	15 121	5,8	833
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>79,9</b>	<b>75,8</b>	<b>-5,1</b>	<b>-0,2</b>	<b>8 784</b>	<b>8 451</b>	<b>-3,8</b>	<b>-333</b>
-Textiles	0,7	67,4	62,5	-7,3	0,0	1 350	1 371	1,6	21
-Other textile products	0,9	72,4	68,9	-4,8	0,0	2 259	2 130	-5,7	-129
-Knitted, crocheted articles	0,2	106,1	100,1	-5,7	0,0	450	436	-3,1	-14
-Wearing apparel	2,1	81,2	72,8	-10,3	-0,2	2 996	2 657	-11,3	-339
-Leather and leather products	0,6	85,1	94,2	10,7	0,1	964	1 092	13,3	128
-Footwear	0,4	91,8	90,7	-1,2	0,0	765	765	0,0	0
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>89,1</b>	<b>94,1</b>	<b>5,6</b>	<b>0,5</b>	<b>24 778</b>	<b>26 410</b>	<b>6,6</b>	<b>1 632</b>
-Sawmilling and planing of wood	0,7	81,3	83,2	2,3	0,0	1 712	1 780	4,0	68
-Products of wood	1,3	80,8	84,0	4,0	0,0	3 591	3 821	6,4	230
-Paper and paper products	3,8	105,2	107,1	1,8	0,1	11 526	12 067	4,7	541
-Publishing	1,9	78,2	81,5	4,2	0,1	3 476	3 587	3,2	111
-Printing, recorded media	2,5	78,8	91,9	16,6	0,3	4 474	5 155	15,2	681
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>104,1</b>	<b>109,4</b>	<b>5,1</b>	<b>1,2</b>	<b>64 041</b>	<b>72 547</b>	<b>13,3</b>	<b>8 506</b>
-Coke, petroleum products and nuclear fuel	8,5	86,0	92,7	7,8	0,6	21 724	26 554	22,2	4 830
-Basic chemicals	4,5	113,8	122,3	7,5	0,4	13 708	15 507	13,1	1 799
-Other chemical products	5,3	111,8	114,0	2,0	0,1	15 853	16 951	6,9	1 098
-Rubber products	1,0	82,5	97,9	18,7	0,2	2 948	3 456	17,2	508
-Plastic products	2,7	137,5	135,3	-1,6	-0,1	9 807	10 078	2,8	271
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>84,5</b>	<b>85,0</b>	<b>0,6</b>	<b>0,0</b>	<b>9 141</b>	<b>9 634</b>	<b>5,4</b>	<b>493</b>
-Glass and glass products	1,0	109,5	109,4	-0,1	0,0	1 460	1 636	12,1	176
-Non-metallic mineral products	3,8	78,3	78,9	0,8	0,0	7 681	7 998	4,1	317
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>89,2</b>	<b>88,4</b>	<b>-0,9</b>	<b>-0,2</b>	<b>63 990</b>	<b>69 204</b>	<b>8,1</b>	<b>5 214</b>
-Basic iron and steel products	7,7	85,9	79,9	-7,0	-0,5	21 993	24 245	10,2	2 252
-Non-ferrous metal products	3,4	95,9	104,3	8,8	0,3	10 597	14 375	35,7	3 778
-Structural metal products	2,0	79,8	87,9	10,2	0,2	4 858	5 516	13,5	658
-Other fabricated metal products	3,8	98,9	106,6	7,8	0,3	9 683	9 729	0,5	46
-General purpose machinery	2,4	66,6	65,4	-1,8	0,0	6 474	6 307	-2,6	-167
-Special purpose machinery	3,1	100,4	85,9	-14,4	-0,5	8 093	6 665	-17,6	-1 428
-Household appliances	0,6	93,6	96,4	3,0	0,0	2 292	2 367	3,3	75
<b>Electrical machinery</b>	<b>2,5</b>	<b>121,1</b>	<b>131,2</b>	<b>8,3</b>	<b>0,3</b>	<b>8 719</b>	<b>9 755</b>	<b>11,9</b>	<b>1 036</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>87,1</b>	<b>95,9</b>	<b>10,1</b>	<b>0,1</b>	<b>3 104</b>	<b>3 294</b>	<b>6,1</b>	<b>190</b>
-Radio, television and communication apparatus	0,4	89,0	96,0	7,9	0,0	1 338	1 444	7,9	106
-Professional equipment	0,7	85,9	95,8	11,5	0,1	1 766	1 850	4,8	84
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>90,7</b>	<b>105,1</b>	<b>15,9</b>	<b>1,6</b>	<b>39 308</b>	<b>42 023</b>	<b>6,9</b>	<b>2 715</b>
-Motor vehicles	4,9	78,2	100,4	28,4	1,1	20 071	20 231	0,8	160
-Bodies for motor vehicles, trailers and semi-trailers	0,5	105,6	118,5	12,2	0,1	1 610	1 855	15,2	245
-Parts and accessories	4,7	98,0	106,2	8,4	0,4	13 863	15 653	12,9	1 790
-Other transport equipment	0,9	112,3	117,9	5,0	0,1	3 764	4 284	13,8	520
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>92,0</b>	<b>93,0</b>	<b>1,1</b>	<b>0,1</b>	<b>13 280</b>	<b>14 727</b>	<b>10,9</b>	<b>1 447</b>
-Furniture	1,3	76,8	83,3	8,5	0,1	2 438	2 819	15,6	381
-Other manufacturing groups	3,9	97,1	96,3	-0,8	0,0	10 842	11 908	9,8	1 066
<b>Total</b>	<b>100,0</b>	<b>95,2</b>	<b>99,1</b>	<b>4,1</b>	<b>4,1</b>	<b>292 246</b>	<b>316 252</b>	<b>8,2</b>	<b>24 006</b>

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 March 2011 was 86,7%. Improved response rate for February 2011 was 93,3%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

**Survey methodology and design**

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

**Weighting methodology**

- 15 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures, which are in line with international best practice, are described in more detail on the Stats SA website at [www.statssa.gov.za/publications/publicationsearch.asp](http://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 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](http://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

<b>Enterprise</b>	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.
<b>Index of physical volume of manufacturing production</b>	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.
<b>Industry</b>	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).
<b>Intermediate consumption</b>	Intermediate consumption includes - <ul style="list-style-type: none"><li>• purchases and transfers-in of materials;</li><li>• payments to other establishments for work done;</li><li>• other direct factory costs;</li><li>• rent and leasing paid;</li><li>• head office charges;</li><li>• royalties, copyright, trade names and patent rights paid;</li><li>• advertising;</li><li>• insurance premiums;</li><li>• services; and</li><li>• secretarial and administrative fees.</li></ul>
<b>Output</b>	Output is the aggregate value of goods manufactured and work done and includes - <ul style="list-style-type: none"><li>• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;</li><li>• repairs;</li><li>• installation, erection and assembly;</li><li>• sundry trading revenue;</li><li>• sales of factored goods minus purchases of factored goods;</li><li>• rent and leasing received;</li><li>• royalties received;</li><li>• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;</li><li>• head office charges; and</li><li>• other revenue.</li></ul> Output excludes excise and customs duty paid.
<b>Value added</b>	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.
<b>Sales</b>	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.
<b>Turnover</b>	Turnover refers to - <ul style="list-style-type: none"><li>• the value of sales and transfers out of all own manufactured products/articles;</li><li>• amounts received for work done; and</li><li>• amounts received for services rendered.</li></ul>

Turnover excludes -

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

**Weight**

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

**Table D – Weights according to manufacturing divisions and major groups**

Manufacturing divisions and major groups	Weights according to the 1996 Census of Manufacturing 1998 - 2000	Weights according to the 2001 LSS of the manufacturing industry 2001 - 2004	Weights according to the 2005 LSS of the manufacturing industry 2005 - 2011
<b>Food and beverages</b>	<b>15,3</b>	<b>16,4</b>	<b>15,4</b>
-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
<b>Textiles, clothing, leather and footwear</b>	<b>7,8</b>	<b>5,4</b>	<b>4,9</b>
-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
<b>Wood and wood products, paper, publishing and printing</b>	<b>11,4</b>	<b>11,0</b>	<b>10,2</b>
-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
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>19,3</b>	<b>22,5</b>	<b>22,1</b>
-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
<b>Glass and non-metallic mineral products</b>	<b>4,5</b>	<b>3,9</b>	<b>4,8</b>
-Glass and glass products	1,0	1,1	1,0
-Non-metallic mineral products	3,5	2,9	3,8
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>23,6</b>	<b>22,4</b>	<b>22,9</b>
-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
<b>Electrical machinery</b>	<b>3,4</b>	<b>2,7</b>	<b>2,5</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,5</b>	<b>1,3</b>	<b>1,1</b>
-Radio, television and communication apparatus	1,0	0,7	0,4
-Professional equipment	0,5	0,6	0,7
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>9,1</b>	<b>8,6</b>	<b>10,9</b>
-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
<b>Other manufacturing divisions</b>	<b>4,1</b>	<b>5,8</b>	<b>5,2</b>
-Furniture	1,6	1,6	1,3
-Other manufacturing groups	2,6	4,2	3,9
<b>Total</b>	<b>100,0</b>	<b>100,0</b>	<b>100,0</b>

## 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.

Stats SA has copyright on this publication. Users may apply the information as they wish, provided that they acknowledge Stats SA as the source of the basic data wherever they process, apply, utilise, publish or distribute the data; and also that they specify that the relevant application and analysis (where applicable) result from their own processing of the data.

### Advance release calendar

An advance release calendar is disseminated on [www.statssa.gov.za](http://www.statssa.gov.za)

### Stats SA products

A complete set of Stats SA publications is available at the Stats SA Library and the following libraries:

National Library of South Africa, Pretoria Division  
National Library of South Africa, Cape Town Division  
Natal Society Library, Pietermaritzburg  
Library of Parliament, Cape Town  
Bloemfontein Public Library  
Johannesburg Public Library  
Eastern Cape Library Services, King William's Town  
Central Regional Library, Polokwane  
Central Reference Library, Nelspruit  
Central Reference Collection, Kimberley  
Central Reference Library, Mmabatho

Stats SA also provides a subscription service.

### Electronic services

A large range of data are available via online services, diskette and computer printouts. For more details about our electronic data services, contact (012) 310 8600/8390/8351/4892/8496/8095.

You can visit us on the Internet at: [www.statssa.gov.za](http://www.statssa.gov.za)

### Enquiries

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

*Produced by Stats SA*