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SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

Table A – Selected key figures regarding manufacturing production and sales for March 2008

Estimates	March 2008	% change between March 2007 and March 2008	% change between January to March 2007 and January to March 2008
Physical volume of manufacturing production index (2000=100)	126,9	-1,1	1,3
Total value of sales of manufactured products (R million)	108 306	14,7	14,5

Seasonally adjusted estimates	March 2008	% change between February and March 2008	% change between October to December 2007 and January to March 2008
Physical volume of manufacturing production index (2000=100)	123,3	-4,0	-0,5
Total value of sales of manufactured products (R million)	105 813	-1,0	7,1

Manufacturing production decreases

The estimated manufacturing production for March 2008 decreased by 1,1% compared with March 2007, the first annual negative growth rate reported in 2008. The basic iron and steel, non-ferrous metal products, metal products and machinery and the motor vehicles, parts and accessories and other transport divisions were the main contributors to the decrease in the estimated manufacturing production for March 2008. Manufacturing production for the first three months of 2008 increased by 1,3% year-on-year, reflecting a slowdown compared with the growth of 6,3% reported for the same period in 2007. Seasonally adjusted production in the first quarter of 2008 compared with the fourth quarter of 2007 decreased by 0,5%, caused by decreases in six of the ten major divisions. The comparable figure for the first quarter of 2007 was 1,4%.

The major contributor to the seasonally adjusted decrease of 0,5% in total manufacturing production for the first quarter of 2008 compared with the fourth quarter of 2007 was the motor vehicles, parts and accessories and other transport equipment division (contributing -0,5 of a percentage point), followed by the furniture and 'other' manufacturing division (contributing -0,3 of a percentage point), the petroleum, chemical products, rubber and plastic products division, the basic iron and steel, non-ferrous metal products, metal products and machinery division as well as the textiles, clothing, leather and footwear division (each contributing -0,1 of a percentage point). The electrical machinery division and the glass and non-metallic mineral products division showed growth during this period (each contributing +0,3 of a percentage point), followed by the food and beverages division (+0,1 of a percentage point) (see Table B).

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

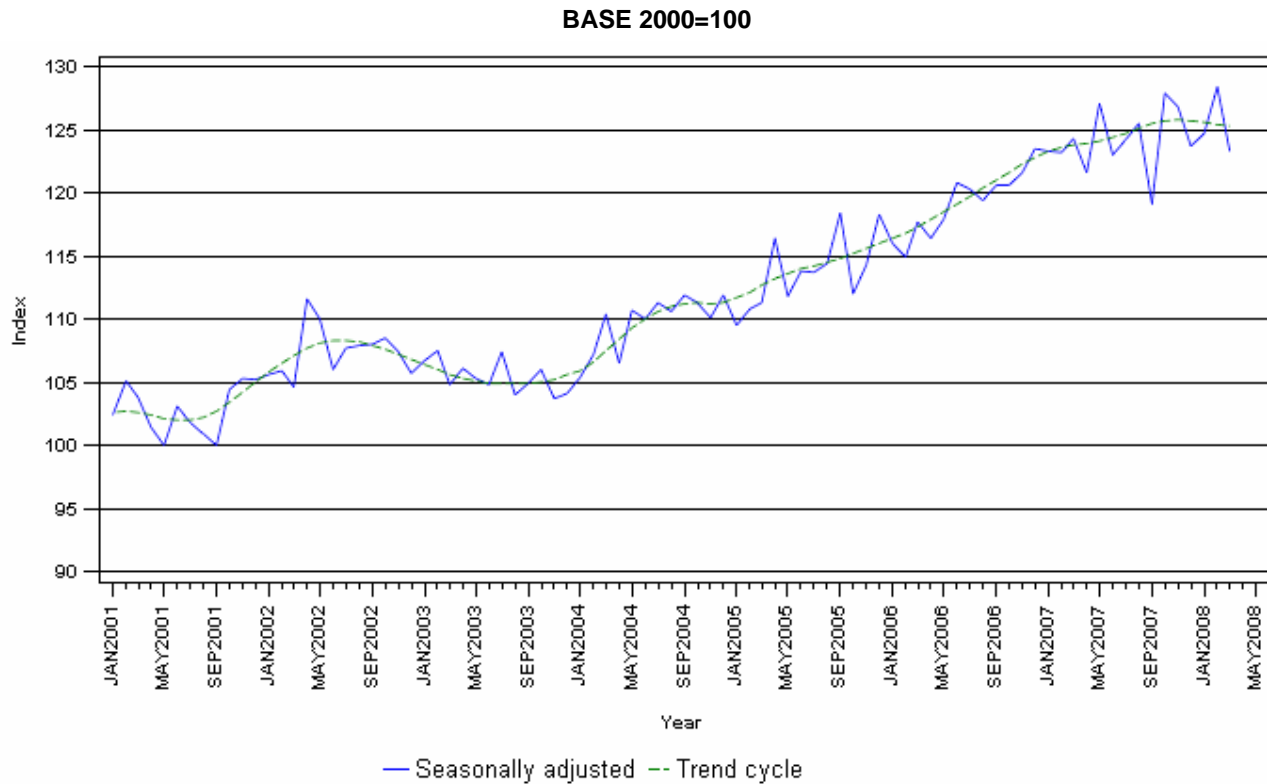
(Base 2000=100)

Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2001	Average seasonally adjusted production index for October to December 2007	Average seasonally adjusted production index for January to March 2008	Quarterly percentage change of January to March 2008 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
Food and beverages	16,4	123,1	124,2	0,9	0,1
-Food and food products	12,1	116,3	118,7	2,1	0,3
-Beverages	4,3	142,4	139,7	-1,9	-0,1
Textiles, clothing, leather and footwear	5,4	105,2	103,5	-1,6	-0,1
-Textiles	2,4	100,1	98,1	-2,0	0,0
-Wearing apparel	2,3	113,9	112,4	-1,3	0,0
-Leather and leather products	0,3	104,6	109,5	4,7	0,0
-Footwear	0,4	88,7	82,6	-6,9	0,0
Wood and wood products, paper, publishing and printing	11,0	117,6	117,2	-0,3	0,0
-Wood and products of wood	1,7	121,7	123,3	1,3	0,0
-Paper and paper products	4,8	115,5	120,1	4,0	0,2
-Publishing and printing	4,6	117,9	111,6	-5,3	-0,2
Petroleum, chemical products, rubber and plastic products	22,5	130,1	129,7	-0,3	-0,1
-Coke, petroleum products and nuclear fuel	9,1	107,2	97,7	-8,9	-0,8
-Basic chemicals	4,0	145,7	163,9	12,5	0,5
-Other chemical products	5,4	139,0	142,7	2,7	0,1
-Rubber products	1,1	86,5	84,7	-2,1	0,0
-Plastic products	3,0	180,3	176,1	-2,3	-0,1
Glass and non-metallic mineral products	3,9	135,6	144,4	6,5	0,3
-Glass and glass products	1,1	156,6	166,4	6,3	0,1
-Non-metallic mineral products	2,9	127,8	136,3	6,7	0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	124,8	124,3	-0,4	-0,1
-Basic iron and steel products	5,5	108,8	105,1	-3,4	-0,2
-Basic precious, non-ferrous metal products	4,7	118,6	115,7	-2,4	-0,1
-Fabricated metal products	5,5	139,8	139,7	-0,1	0,0
-Machinery and equipment	6,7	130,2	133,7	2,7	0,2
Electrical machinery	2,7	106,1	118,6	11,8	0,3
Radio, television and communication apparatus and professional equipment	1,3	115,7	115,7	0,0	0,0
-Radio, television and communication apparatus	0,7	99,8	103,9	4,1	0,0
-Professional equipment	0,6	131,7	127,7	-3,0	0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	153,4	144,2	-6,0	-0,5
-Motor vehicles, trailers, parts and accessories	7,6	160,3	148,9	-7,1	-0,5
-Other transport equipment	1,0	100,9	108,3	7,3	0,1
Furniture and other manufacturing division	5,8	124,6	118,0	-5,3	-0,3
-Furniture	1,6	146,7	138,7	-5,5	-0,1
-Other manufacturing groups	4,2	116,3	110,2	-5,2	-0,2
Total	100,0	126,1	125,5	-0,5	-0,5

1/ The contribution is calculated by multiplying the quarterly percentage change of each manufacturing group or division with its corresponding weight in the base year, divided by 100.

Figure 1 shows the seasonally adjusted and trend series for the volume index of manufacturing production between January 2001 and March 2008. During the period 2004–2007 the trend increased.

Figure 1 – Index of the physical volume of manufacturing production



Seasonally adjusted sales of manufactured products increase

The estimated total value of sales of manufactured products at current prices for the first quarter of 2008 increased by 7,1% (R20 790 million), after seasonal adjustment, compared with the fourth quarter of 2007. Higher manufacturing sales were reported by all but one of the ten manufacturing divisions during this period (see Table C).

The seasonally adjusted increase of 7,1% in the total value of sales of manufactured products at current prices for the first quarter of 2008 compared with the fourth quarter of 2007 was mainly due to increases reported for the basic iron and steel, non-ferrous metal products, metal products and machinery division (+12,0% or +R7 570 million), the petroleum, chemical products, rubber and plastic products division (+9,7% or + R6 257 million) and the food and beverages division (+5,9% or +R2 979 million). The only division with negative growth in sales during this period, was the textiles, clothing, leather and footwear division (-0,8% or -R88 million) (see Table C).

Table C – Contribution of the manufacturing divisions and major groups to the total value of seasonally adjusted sales of manufactured products at current prices

Manufacturing divisions and major groups	Seasonally adjusted sales October to December 2007	Seasonally adjusted sales January to March 2008	Percentage change between October to December 2007 and January to March 2008	Difference in seasonally adjusted sales of manufacturing divisions between October to December 2007 and January to March 2008
	R '000	R '000		R '000
Food and beverages	50 506 516	53 485 317	5,9	2 978 801
-Food and food products	37 652 511	40 465 108	7,5	2 812 597
-Beverages	12 854 006	13 020 210	1,3	166 204
Textiles, clothing, leather and footwear	10 734 903	10 647 156	-0,8	-87 747
-Textiles	4 370 030	4 293 443	-1,8	-76 587
-Wearing apparel	4 345 512	4 297 111	-1,1	-48 401
-Leather and leather products	1 249 052	1 325 996	6,2	76 944
-Footwear	770 309	730 604	-5,2	-39 705
Wood and wood products, paper, publishing and printing	24 031 814	24 434 833	1,7	403 019
-Wood and products of wood	5 201 816	5 412 275	4,0	210 459
-Paper and paper products	10 424 304	11 058 717	6,1	634 413
-Publishing and printing	8 405 693	7 963 841	-5,3	-441 852
Petroleum, chemicals products, rubber and plastic products	64 225 324	70 482 008	9,7	6 256 684
-Coke, petroleum products and nuclear fuel	25 256 604	27 927 760	10,6	2 671 156
-Basic chemicals	13 367 476	16 436 969	23,0	3 069 493
-Other chemical products	13 976 594	14 267 840	2,1	291 246
-Rubber products	2 664 980	2 730 899	2,5	65 919
-Plastic products	8 959 668	9 118 539	1,8	158 871
Glass and non-metallic mineral products	8 281 246	8 855 493	6,9	574 247
-Glass and glass products	1 474 002	1 568 782	6,4	94 780
-Non-metallic mineral products	6 807 244	7 286 711	7,0	479 467
Basic iron and steel, non-ferrous metal products, metal products and machinery	63 196 142	70 766 283	12,0	7 570 141
-Basic iron and steel products	25 195 929	30 849 380	22,4	5 653 451
-Basic precious, non-ferrous metal products	9 273 748	10 182 409	9,8	908 661
-Fabricated metal products	13 969 539	14 590 673	4,4	621 134
-Machinery and equipment	14 756 926	15 143 821	2,6	386 895
Electrical machinery	8 864 013	10 275 062	15,9	1 411 049
Radio, television and communication apparatus and professional equipment	3 476 770	3 536 583	1,7	59 813
-Radio, television and communication apparatus	1 955 755	2 027 929	3,7	72 174
-Professional equipment	1 521 016	1 508 655	-0,8	-12 361
Motor vehicles, parts and accessories and other transport equipment	45 513 027	46 836 429	2,9	1 323 402
-Motor vehicles, trailers, parts and accessories	42 222 650	43 203 982	2,3	981 332
-Other transport equipment	3 290 375	3 632 446	10,4	342 071
Furniture and other manufacturing division	13 861 982	14 162 558	2,2	300 576
-Furniture	3 048 909	2 851 796	-6,5	-197 113
-Other manufacturing groups	10 813 073	11 310 762	4,6	497 689
Total	292 691 737	313 481 721	7,1	20 789 984

Sales of manufactured products increase

The value of sales of manufactured products at current prices for the first quarter of 2008 was 14,5% (R37 778 million) higher than for the first quarter of 2007 (see Table D).

The major contributors to the increase of 14,5% in sales of manufactured products at current prices for the first quarter of 2008 compared with the first quarter of 2007 were the petroleum, chemical products, rubber and plastic products division (+5,2 percentage points or +R13 434 million), the basic iron and steel, non-ferrous metal products, metal products and machinery division (+3,3 percentage points or +R8 589 million), the food and beverages division (+3,1 percentage points or +R8 131 million) and the motor vehicles, parts and accessories and other transport equipment division (+1,0 percentage point or +R2 704 million)(see Table D).

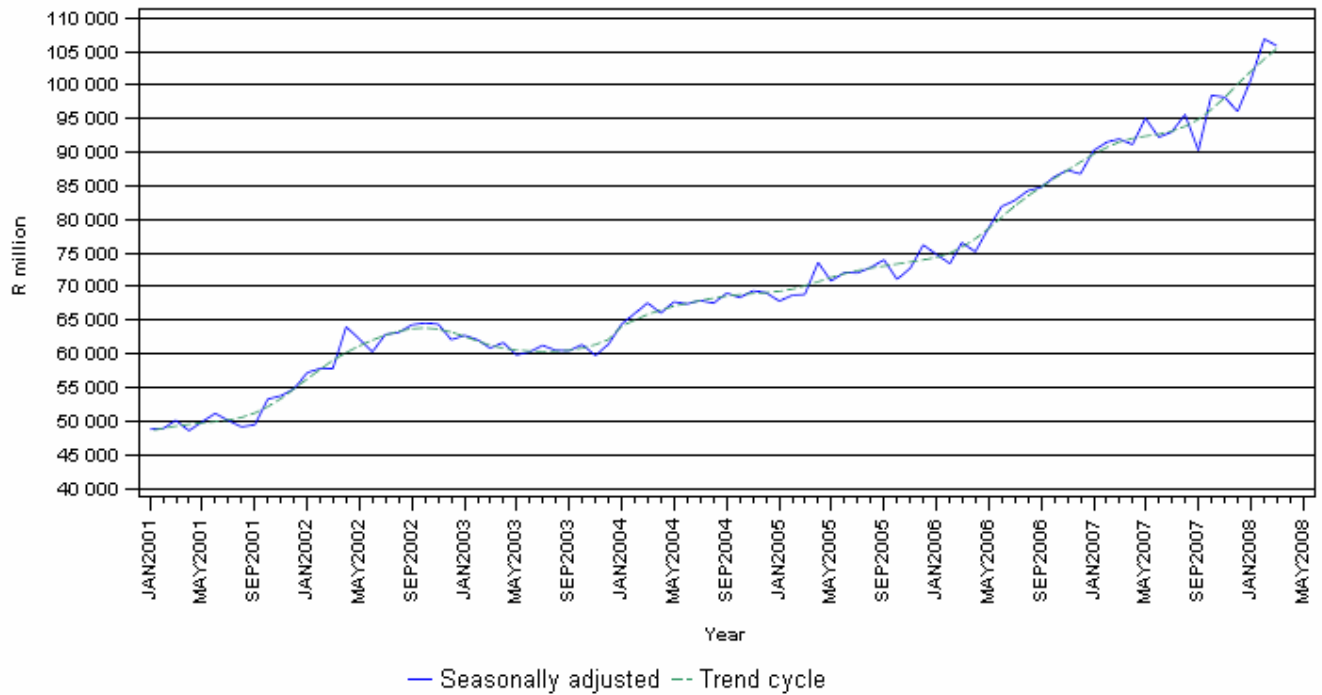
Table D – Contribution of the manufacturing divisions and major groups to the total value of sales of manufactured products at current prices

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products January to March 2007	Percentage change between January to March 2007 and January to March 2008	Contribution (percentage points) to the percentage change in the total value of sales of manufactured products 1/	Difference in sales of manufacturing divisions between January to March 2007 and January to March 2008
				R '000
Food and beverages	16,4	19,0	3,1	8 131 088
-Food and food products	11,9	23,1	2,7	7 145 065
-Beverages	4,5	8,3	0,4	986 023
-Textiles, clothing, leather and footwear	3,6	4,8	0,2	455 315
-Textiles	1,6	-0,7	0,0	-27 220
-Wearing apparel	1,4	7,7	0,1	277 508
-Leather and leather products	0,5	14,1	0,1	167 874
-Footwear	0,2	6,4	0,0	37 153
Wood and wood products, paper, publishing and printing	8,3	6,4	0,5	1 389 510
-Wood and products of wood	1,8	7,9	0,1	361 324
-Paper and paper products	3,6	11,6	0,4	1 083 679
-Publishing and printing	3,0	-0,7	0,0	-55 493
Petroleum, chemicals products, rubber and plastic products	20,3	25,4	5,2	13 433 856
-Coke, petroleum products and nuclear fuel	7,3	40,3	2,9	7 603 772
-Basic chemicals	4,4	33,0	1,5	3 756 005
-Other chemical products	4,8	6,9	0,3	872 946
-Rubber products	1,0	3,9	0,0	99 407
-Plastic products	2,8	14,9	0,4	1 101 726
Glass and non-metallic mineral products	2,8	8,0	0,2	590 595
-Glass and glass products	0,5	6,2	0,0	79 501
-Non-metallic mineral products	2,3	8,4	0,2	511 094
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,7	14,6	3,3	8 588 625
-Basic iron and steel products	9,0	26,8	2,4	6 291 625
-Basic precious, non-ferrous metal products	3,6	2,1	0,1	191 968
-Fabricated metal products	4,6	12,5	0,6	1 500 375
-Machinery and equipment	5,4	4,3	0,2	605 493
Electrical machinery	3,1	18,4	0,6	1 482 894
Radio, television and communication apparatus and professional equipment	1,3	2,5	0,0	84 637
-Radio, television and communication apparatus	0,7	3,3	0,0	62 242
-Professional equipment	0,6	2,4	0,0	34 670
Motor vehicles, parts and accessories and other transport equipment	16,6	6,3	1,0	2 704 290
-Motor vehicles, trailers, parts and accessories	15,4	5,4	0,8	2 142 376
-Other transport equipment	1,2	17,8	0,2	561 914
Furniture and other manufacturing division	4,8	7,4	0,4	916 726
-Furniture	0,9	-0,5	0,0	-12 859
-Other manufacturing groups	3,8	9,3	0,4	929 585
Total	100,0	14,5	14,5	37 777 536

1/ The contribution (percentage points) is calculated by multiplying the percentage change of each manufacturing major group or division with the percentage contribution of the same major group or division during corresponding period in 2007, divided by 100.

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2001 and March 2008. Since late 2003 the trend has generally moved upwards.

Figure 2 – Total value of sales of manufactured products at current prices



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Detailed results: Tables

Table 1 – Index of the physical volume of manufacturing production: Total

Base 2000 = 100

Month	2002	2003	2004	2005	2006	2007	2008
Jan	93,7	94,4	93,1	96,2	101,7	107,6	1/ 108,8
Feb	103,6	104,3	103,6	106,3	110,1	118,2	1/ 122,8
Mar	108,2	108,4	114,1	114,9	121,4	128,3	1/ 126,9
Apr	104,4	100,0	100,3	109,2	109,2	113,9	
May	110,3	105,7	111,6	112,8	118,9	128,1	
Jun	106,7	105,3	110,5	114,3	121,4	123,7	
Jul	108,8	108,7	113,0	115,5	122,2	126,1	
Aug	109,8	106,3	113,7	118,2	123,8	130,1	
Sep	111,4	108,7	116,0	122,9	125,5	123,9	
Oct	119,6	116,7	122,5	123,2	132,6	140,3	
Nov	119,8	114,9	122,3	127,1	135,4	141,1	
Dec	92,7	91,5	99,0	104,6	109,3	109,5	
Year	107,4	105,4	110,0	113,8	119,3	124,2	

1/ Preliminary.

Table 2 – Percentage change in the index of the physical volume of manufacturing production: Total

Month	2002	2003	2004	2005	2006	2007	2008
Jan	-	0,7	-1,4	3,3	5,7	5,8	1,1
Feb	-	0,7	-0,7	2,6	3,6	7,4	3,9
Mar	-	0,2	5,3	0,7	5,7	5,7	-1,1
Apr	-	-4,2	0,3	8,9	0,0	4,3	
May	-	-4,2	5,6	1,1	5,4	7,7	
Jun	-	-1,3	4,9	3,4	6,2	1,9	
Jul	-	-0,1	4,0	2,2	5,8	3,2	
Aug	-	-3,2	7,0	4,0	4,7	5,1	
Sep	-	-2,4	6,7	5,9	2,1	-1,3	
Oct	-	-2,4	5,0	0,6	7,6	5,8	
Nov	-	-4,1	6,4	3,9	6,5	4,2	
Dec	-	-1,3	8,2	5,7	4,5	0,2	
Year	-	-1,9	4,4	3,5	4,8	4,1	

The percentage change is the change in the index of the physical volume of manufacturing production of the relevant year compared with the index of physical volume of manufacturing production of the previous year expressed as a percentage.

Table 3 – Seasonally adjusted index of the physical volume of manufacturing production: Total

Month	2002	2003	2004	2005	2006	2007	2008
Jan	105,8	107,0	105,4	109,5	116,0	123,3	124,7
Feb	105,8	107,6	107,2	110,8	114,9	123,2	128,4
Mar	104,6	104,8	110,4	111,3	117,7	124,3	123,3
Apr	112,0	106,8	106,5	116,4	116,4	121,6	
May	109,9	105,1	110,7	111,8	117,9	127,1	
Jun	106,1	104,8	110,0	113,8	120,8	123,0	
Jul	107,5	107,2	111,3	113,7	120,3	124,2	
Aug	107,7	103,8	110,6	114,4	119,4	125,5	
Sep	108,0	105,0	111,9	118,4	120,6	119,1	
Oct	108,6	106,1	111,3	112,0	120,6	127,9	
Nov	107,5	103,7	110,1	114,3	121,6	126,8	
Dec	105,2	103,2	111,9	118,3	123,5	123,7	

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

Base 2000 = 100

Manufacturing divisions and major groups	Weights	Year 2007	Indices			Seasonally adjusted indices		
			March 2007	1/ February 2008	1/ March 2008	March 2007	February 2008	March 2008
Food and beverages	16,4	124,5	120,6	118,4	121,7	119,3	129,4	120,8
-Meat, fish, fruit etc.	2,6	130,7	145,7	134,5	148,2	130,3	132,8	132,0
-Dairy products	1,1	112,3	122,9	115,4	112,3	118,8	122,7	108,8
-Grain mill products	1,5	129,4	132,5	122,8	131,4	129,2	132,4	128,2
-Other food products	6,8	111,2	90,5	94,1	92,7	102,6	120,2	105,4
-Beverages	4,3	143,1	148,2	146,3	150,7	135,6	142,7	138,8
Textiles, clothing, leather and footwear	5,4	102,6	104,1	109,4	104,9	98,5	107,7	99,8
-Textiles	1,2	80,0	88,1	87,9	69,6	80,5	81,8	64,1
-Other textile products	1,2	119,5	120,4	124,0	124,8	113,9	123,8	118,6
-Knitted, crocheted articles	0,3	82,6	87,0	103,4	91,4	79,0	98,8	83,2
-Wearing apparel	2,0	113,8	109,4	119,4	118,6	106,6	118,6	115,9
-Leather and leather products	0,3	101,6	112,6	114,6	123,6	98,4	109,9	108,0
-Footwear	0,4	84,9	86,7	86,6	84,6	85,1	93,0	82,6
Wood and wood products, paper, publishing and printing	11,0	117,5	121,3	114,7	120,0	119,2	119,5	118,2
-Sawmilling and planing of wood	0,7	116,4	135,0	115,6	112,6	122,6	114,7	102,4
-Products of wood	1,0	134,9	138,2	122,7	136,7	138,0	130,8	136,3
-Paper and paper products	4,8	113,5	113,1	116,6	119,5	113,9	123,3	120,6
-Publishing	2,4	123,9	129,0	116,6	124,0	126,7	119,2	121,7
-Printing, recorded media	2,1	111,4	118,7	104,4	111,2	112,8	107,6	105,3
Petroleum, chemical products, rubber and plastic products	22,5	124,1	124,9	122,9	132,4	121,7	131,1	129,4
-Coke, petroleum products and nuclear fuel	9,1	97,0	93,8	88,1	100,0	90,4	95,0	96,4
-Basic chemicals	4,0	142,3	138,4	153,8	169,3	140,6	167,9	171,8
-Other chemical products	5,4	139,6	148,7	139,4	146,7	141,6	149,1	139,6
-Rubber products	1,1	82,9	97,4	92,2	89,1	91,9	86,8	83,6
-Plastic products	3,0	170,6	169,6	170,7	173,3	168,3	177,0	173,0
Glass and non-metallic mineral products	3,9	136,6	140,9	133,4	136,0	144,5	144,9	140,1
-Glass and glass products	1,1	155,0	144,5	164,8	148,4	157,7	171,6	162,8
-Non-metallic mineral products	2,9	129,7	139,6	121,7	131,4	139,6	135,0	131,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	126,3	137,1	118,6	130,5	129,7	124,3	123,4
-Basic iron and steel products	5,5	111,8	125,4	95,8	113,0	120,2	102,0	108,0
-Non-ferrous metal products	4,7	118,9	124,8	111,2	116,0	120,1	118,2	111,6
-Structural metal products	1,3	137,7	140,6	145,2	147,6	134,7	153,3	141,8
-Other fabricated metal products	4,2	140,7	154,0	128,9	151,9	142,6	133,2	140,0
-General purpose machinery	2,4	119,8	123,5	109,0	115,9	121,7	118,8	114,5
-Special purpose machinery	3,2	143,0	160,3	146,7	159,0	145,3	148,6	145,5
-Household appliances	1,2	130,0	142,2	134,7	127,7	136,7	138,6	122,9
Electrical machinery	2,7	106,6	111,5	124,4	122,0	105,4	130,2	115,4
Radio, television and communication apparatus and professional equipment	1,3	116,9	114,3	121,1	119,7	111,5	117,9	116,8
-Radio, television and communication apparatus	0,7	100,3	104,4	105,8	113,7	101,3	103,5	110,1
-Professional equipment	0,6	133,7	124,3	136,7	125,8	121,8	132,5	123,6
Motor vehicles, parts and accessories and other transport equipment	8,6	144,7	158,5	153,6	148,0	151,2	149,6	140,9
-Motor vehicles	4,1	140,7	155,1	142,2	137,4	149,6	140,8	132,5
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,2	239,5	226,9	224,9	226,4	216,5	213,1
-Parts and accessories	3,1	154,5	167,0	172,5	158,0	161,4	165,2	152,6
-Other transport equipment	1,0	103,1	115,4	114,0	131,8	97,4	111,6	112,0
Furniture and other manufacturing division	5,8	120,1	122,3	126,0	106,9	120,3	126,0	105,6
-Furniture	1,6	142,6	135,0	142,7	128,3	140,1	153,4	133,9
-Other manufacturing groups	4,2	111,6	117,5	119,7	98,8	112,8	115,7	94,9
Total	100,0	124,2	128,3	122,8	126,9	124,3	128,4	123,3

1/ Preliminary.

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

Base 2000 = 100

Manufacturing divisions and major groups	Weights	Year 2007	Indices			Seasonally adjusted indices		
			March 2007	1/ March 2008	Percentage difference between March 2007 and March 2008	February 2008	March 2008	Percentage difference between February 2008 and March 2008
Food and beverages	16,4	124,5	120,6	121,7	0,9	129,4	120,8	-6,6
-Meat, fish, fruit etc.	2,6	130,7	145,7	148,2	1,7	132,8	132,0	-0,6
-Dairy products	1,1	112,3	122,9	112,3	-8,6	122,7	108,8	-11,3
-Grain mill products	1,5	129,4	132,5	131,4	-0,8	132,4	128,2	-3,2
-Other food products	6,8	111,2	90,5	92,7	2,4	120,2	105,4	-12,3
-Beverages	4,3	143,1	148,2	150,7	1,7	142,7	138,8	-2,7
Textiles, clothing, leather and footwear	5,4	102,6	104,1	104,9	0,8	107,7	99,8	-7,3
-Textiles	1,2	80,0	88,1	69,6	-21,0	81,8	64,1	-21,6
-Other textile products	1,2	119,5	120,4	124,8	3,7	123,8	118,6	-4,2
-Knitted, crocheted articles	0,3	82,6	87,0	91,4	5,1	98,8	83,2	-15,8
-Wearing apparel	2,0	113,8	109,4	118,6	8,4	118,6	115,9	-2,3
-Leather and leather products	0,3	101,6	112,6	123,6	9,8	109,9	108,0	-1,7
-Footwear	0,4	84,9	86,7	84,6	-2,4	93,0	82,6	-11,2
Wood and wood products, paper, publishing and printing	11,0	117,5	121,3	120,0	-1,1	119,5	118,2	-1,1
-Sawmilling and planing of wood	0,7	116,4	135,0	112,6	-16,6	114,7	102,4	-10,7
-Products of wood	1,0	134,9	138,2	136,7	-1,1	130,8	136,3	4,2
-Paper and paper products	4,8	113,5	113,1	119,5	5,7	123,3	120,6	-2,2
-Publishing	2,4	123,9	129,0	124,0	-3,9	119,2	121,7	2,1
-Printing, recorded media	2,1	111,4	118,7	111,2	-6,3	107,6	105,3	-2,1
Petroleum, chemical products, rubber and plastic products	22,5	124,1	124,9	132,4	6,0	131,1	129,4	-1,3
-Coke, petroleum products and nuclear fuel	9,1	97,0	93,8	100,0	6,6	95,0	96,4	1,5
-Basic chemicals	4,0	142,3	138,4	169,3	22,3	167,9	171,8	2,3
-Other chemical products	5,4	139,6	148,7	146,7	-1,3	149,1	139,6	-6,4
-Rubber products	1,1	82,9	97,4	89,1	-8,5	86,8	83,6	-3,7
-Plastic products	3,0	170,6	169,6	173,3	2,2	177,0	173,0	-2,3
-Glass and non-metallic mineral products	3,9	136,6	140,9	136,0	-3,5	144,9	140,1	-3,3
-Glass and glass products	1,1	155,0	144,5	148,4	2,7	171,6	162,8	-5,1
-Non-metallic mineral products	2,9	129,7	139,6	131,4	-5,9	135,0	131,7	-2,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	126,3	137,1	130,5	-4,8	124,3	123,4	-0,7
-Basic iron and steel products	5,5	111,8	125,4	113,0	-9,9	102,0	108,0	5,9
-Non-ferrous metal products	4,7	118,9	124,8	116,0	-7,1	118,2	111,6	-5,6
-Structural metal products	1,3	137,7	140,6	147,6	5,0	153,3	141,8	-7,5
-Other fabricated metal products	4,2	140,7	154,0	151,9	-1,4	133,2	140,0	5,1
-General purpose machinery	2,4	119,8	123,5	115,9	-6,2	118,8	114,5	-3,6
-Special purpose machinery	3,2	143,0	160,3	159,0	-0,8	148,6	145,5	-2,1
-Household appliances	1,2	130,0	142,2	127,7	-10,2	138,6	122,9	-11,3
-Electrical machinery	2,7	106,6	111,5	122,0	9,4	130,2	115,4	-11,4
Radio, television and communication apparatus and professional equipment	1,3	116,9	114,3	119,7	4,7	117,9	116,8	-0,9
-Radio, television and communication apparatus	0,7	100,3	104,4	113,7	8,9	103,5	110,1	6,4
-Professional equipment	0,6	133,7	124,3	125,8	1,2	132,5	123,6	-6,7
Motor vehicles, parts and accessories and other transport equipment	8,6	144,7	158,5	148,0	-6,6	149,6	140,9	-5,8
-Motor vehicles	4,1	140,7	155,1	137,4	-11,4	140,8	132,5	-5,9
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,2	239,5	224,9	-6,1	216,5	213,1	-1,6
-Parts and accessories	3,1	154,5	167,0	158,0	-5,4	165,2	152,6	-7,6
-Other transport equipment	1,0	103,1	115,4	131,8	14,2	111,6	112,0	0,4
Furniture and other manufacturing division	5,8	120,1	122,3	106,9	-12,6	126,0	105,6	-16,2
-Furniture	1,6	142,6	135,0	128,3	-5,0	153,4	133,9	-12,7
-Other manufacturing groups	4,2	111,6	117,5	98,8	-15,9	115,7	94,9	-18,0
Total	100,0	124,2	128,3	126,9	-1,1	128,4	123,3	-4,0

1/ Preliminary.

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

Month	2002	2003	2004	2005	2006	2007	2008
Jan	49 152 814	54 016 877	54 677 576	57 579 366	63 693 706	77 253 608	1/ 86 782 601
Feb	57 530 894	61 544 562	63 772 089	66 251 198	70 758 982	88 142 916	1/ 102 498 701
Mar	61 291 760	64 082 291	69 432 309	70 644 727	78 541 964	94 413 107	1/ 108 305 865
Apr	61 619 502	59 904 600	62 483 652	69 282 353	70 410 213	85 289 603	
May	63 820 095	61 503 788	68 142 813	71 278 474	79 112 653	95 842 149	
Jun	62 396 131	62 129 864	67 898 336	72 555 903	82 365 603	92 828 745	
Jul	64 152 749	62 617 180	68 406 575	72 671 036	83 516 902	93 655 073	
Aug	65 615 474	62 622 871	69 213 723	75 018 367	87 085 746	98 909 157	
Sep	68 068 479	64 217 058	72 338 062	77 775 725	89 103 179	94 735 842	
Oct	72 388 326	68 820 949	74 868 256	77 778 702	94 226 447	107 266 948	
Nov	72 814 163	67 559 894	77 110 142	81 266 703	97 461 923	109 646 608	
Dec	58 364 614	57 324 718	63 142 536	69 279 984	78 315 754	86 990 808	
Year	757 215 001	746 344 652	811 486 069	861 382 538	974 593 072	1 124 974 564	

1/ Preliminary.

Table 6 – Percentage change in the value of sales of the manufacturing industry: Total

Month	2002	2003	2004	2005	2006	2007	2008
Jan	-	9,9	1,2	5,3	10,6	21,3	12,3
Feb	-	7,0	3,6	3,9	6,8	24,6	16,3
Mar	-	4,6	8,3	1,7	11,2	20,2	14,7
Apr	-	-2,8	4,3	10,9	1,6	21,1	
May	-	-3,6	10,8	4,6	11,0	21,1	
Jun	-	-0,4	9,3	6,9	13,5	12,7	
Jul	-	-2,4	9,2	6,2	14,9	12,1	
Aug	-	-4,6	10,5	8,4	16,1	13,6	
Sep	-	-5,7	12,6	7,5	14,6	6,3	
Oct	-	-4,9	8,8	3,9	21,1	13,8	
Nov	-	-7,2	14,1	5,4	19,9	12,5	
Dec	-	-1,8	10,1	9,7	13,0	11,1	
Year	-	-1,4	8,7	6,1	13,1	15,4	

The percentage change is the change in the sales of the manufacturing industry of the relevant year compared with the sales of the previous year expressed as a percentage.

Table 7 – Total seasonally adjusted sales of the manufacturing industry (R'000)

Month	2002	2003	2004	2005	2006	2007	2008
Jan	58 293 530	63 927 340	64 437 328	67 843 320	74 781 509	90 267 637	100 819 595
Feb	59 172 957	63 489 270	66 045 625	68 752 227	73 438 896	91 500 353	106 849 144
Mar	59 012 065	62 080 271	67 567 840	68 831 130	76 551 839	91 953 295	105 812 982
Apr	65 454 111	63 416 906	66 057 047	73 589 826	75 183 774	91 137 922	
May	63 396 098	61 116 941	67 739 384	70 840 259	78 640 180	95 055 201	
Jun	61 473 470	61 503 470	67 415 671	72 087 460	81 915 268	92 232 475	
Jul	64 121 638	62 448 191	67 943 029	72 020 909	82 797 460	93 001 578	
Aug	64 450 488	61 393 971	67 533 514	72 838 838	84 260 958	95 615 685	
Sep	65 481 012	61 470 753	69 036 325	73 987 001	84 780 847	90 252 161	
Oct	66 007 643	62 771 307	68 363 164	71 095 446	86 313 376	98 443 739	
Nov	65 684 845	60 792 874	69 388 687	72 714 273	87 336 510	98 190 757	
Dec	63 407 234	62 585 272	69 095 590	76 202 228	86 760 175	96 057 241	

Table 8a – Sales of manufactured products according to manufacturing divisions and major groups (R'000)

Manufacturing divisions and major groups	Year 2007	Actual values			Seasonally adjusted values		
		March 2007	1/ February 2008	1/ March 2008	March 2007	February 2008	March 2008
Food and beverages	190 699 869	15 058 628	17 427 675	17 931 131	14 837 290	18 303 778	17 697 333
-Meat, fish, fruit etc.	48 534 325	4 101 069	4 513 129	4 888 584	3 906 319	4 948 338	4 648 547
-Dairy products	16 370 695	1 359 622	1 506 727	1 577 936	1 298 162	1 592 270	1 506 877
-Grain mill products	35 351 201	2 713 092	3 264 093	3 574 252	2 690 316	3 582 043	3 541 790
-Other food products	40 383 997	2 886 882	3 459 530	3 463 892	3 056 729	3 726 688	3 678 037
-Beverages	50 059 651	3 997 963	4 684 196	4 426 467	3 885 764	4 454 439	4 322 082
Textiles, clothing, leather and footwear	41 463 312	3 656 256	3 688 712	3 706 267	3 405 404	3 695 174	3 454 940
-Textiles	6 541 155	606 896	577 570	516 969	552 130	575 369	469 002
-Other textile products	10 775 306	997 428	937 950	982 498	914 424	929 768	899 849
-Knitted, crocheted articles	1 812 329	170 606	183 148	180 831	150 102	181 464	158 910
-Wearing apparel	14 691 677	1 235 119	1 282 072	1 295 373	1 179 014	1 303 591	1 239 340
-Leather and leather products	4 823 510	418 795	477 634	487 632	382 216	453 609	444 755
-Footwear	2 819 335	227 412	230 338	242 964	227 519	251 372	243 083
Wood and wood products, paper, publishing and printing	93 694 669	7 921 231	8 075 730	8 273 586	7 766 134	8 522 780	8 111 522
-Sawmilling and planing of wood	6 214 792	572 626	549 836	538 763	546 747	562 272	513 528
-Products of wood	14 225 883	1 155 825	1 245 977	1 241 490	1 169 740	1 312 246	1 260 069
-Paper and paper products	40 527 758	3 415 500	3 568 122	3 694 680	3 350 885	3 875 820	3 625 932
-Publishing	14 336 533	1 220 923	1 182 235	1 201 255	1 208 161	1 188 776	1 186 709
-Printing, recorded media	18 389 703	1 556 357	1 529 560	1 597 398	1 490 602	1 583 665	1 525 284
Petroleum, chemical products, rubber and plastic products	236 893 389	18 689 706	21 782 468	24 355 365	18 546 139	23 669 567	24 245 396
-Coke, petroleum products and nuclear fuel	86 358 423	6 225 977	8 162 997	9 786 639	6 275 803	9 062 173	9 836 302
-Basic chemicals	51 893 414	4 014 228	4 962 924	5 670 404	4 157 108	5 538 357	5 847 826
-Other chemical products	54 779 474	4 758 092	4 695 051	4 906 095	4 496 175	5 031 187	4 639 642
-Rubber products	10 217 878	973 911	965 082	1 002 018	898 886	920 377	921 048
-Plastic products	33 644 200	2 717 498	2 996 414	2 990 209	2 718 167	3 117 473	3 000 577
Glass and non-metallic mineral products	32 988 751	2 832 170	2 836 844	2 844 785	2 877 856	3 086 940	2 893 465
-Glass and glass products	5 834 297	452 528	488 803	464 029	505 516	530 034	517 796
-Non-metallic mineral products	27 154 454	2 379 642	2 348 041	2 380 756	2 372 340	2 556 906	2 375 669
Basic iron and steel, non-ferrous metal products, metal products and machinery	251 388 035	21 616 634	22 654 326	24 683 099	20 923 279	23 858 570	24 068 875
-Basic iron and steel products	98 911 116	8 055 259	9 746 039	10 723 736	8 113 953	10 230 744	10 853 434
-Non-ferrous metal products	38 935 281	3 597 984	3 143 179	3 533 983	3 456 406	3 522 893	3 385 377
-Structural metal products	18 358 248	1 530 115	1 651 807	1 826 628	1 446 306	1 775 579	1 737 966
-Other fabricated metal products	36 524 531	3 091 825	3 097 738	3 241 423	3 010 723	3 203 836	3 153 266
-General purpose machinery	21 932 921	1 831 485	1 812 083	1 949 737	1 803 044	1 958 979	1 922 240
-Special purpose machinery	26 838 561	2 604 753	2 364 520	2 571 989	2 221 176	2 325 142	2 215 699
-Household appliances	9 887 377	905 213	839 796	835 603	871 671	841 397	800 894
Electrical machinery	35 204 763	3 070 467	3 588 925	3 497 328	2 950 185	3 668 499	3 373 016
Radio, television and communication apparatus and professional equipment	14 054 230	1 229 242	1 180 337	1 287 794	1 157 402	1 164 081	1 210 419
-Radio, television and communication apparatus	7 936 222	706 539	663 635	752 598	658 548	654 569	700 351
-Professional equipment	6 118 008	522 703	529 566	535 196	498 854	509 512	510 069
Motor vehicles, parts and accessories and other transport equipment	174 954 470	16 085 128	16 266 080	17 249 462	15 114 427	16 048 686	16 167 981
-Motor vehicles	88 029 955	8 046 492	7 871 072	8 786 872	7 511 580	7 910 914	8 181 289
-Bodies for motor vehicles, trailers and semi-trailers	7 595 045	715 203	631 928	652 293	688 015	659 127	625 047
-Parts and accessories	66 275 795	6 145 282	6 499 340	6 336 820	5 912 420	6 229 361	6 098 101
-Other transport equipment	13 053 675	1 178 151	1 263 740	1 473 477	1 002 411	1 249 283	1 263 544
Furniture and other manufacturing division	53 633 076	4 253 645	4 997 604	4 477 048	4 375 180	4 831 071	4 590 034
-Furniture	11 687 647	912 446	966 985	882 588	941 670	1 047 420	913 974
-Other manufacturing groups	41 945 429	3 341 199	4 030 619	3 594 460	3 433 511	3 783 650	3 676 060
Total	1 124 974 564	94 413 107	102 498 701	108 305 865	91 953 295	106 849 144	105 812 982

1/ Preliminary.

Table 8b – Sales of manufactured products according to manufacturing divisions and major groups (R'000) (concluded)

Manufacturing divisions and major groups	Year 2007	Value of sales			Seasonally adjusted value of sales		
		March 2007	1/ March 2008	Percentage change between March 2007 and March 2008	February 2008	March 2008	Percentage change between February 2008 and March 2008
Food and beverages	190 699 869	15 058 628	17 931 131	19,1	18 303 778	17 697 333	-3,3
-Meat, fish, fruit etc.	48 534 325	4 101 069	4 888 584	19,2	4 948 338	4 648 547	-6,1
-Dairy products	16 370 695	1 359 622	1 577 936	16,1	1 592 270	1 506 877	-5,4
-Grain mill products	35 351 201	2 713 092	3 574 252	31,7	3 582 043	3 541 790	-1,1
-Other food products	40 383 997	2 886 882	3 463 892	20,0	3 726 688	3 678 037	-1,3
-Beverages	50 059 651	3 997 963	4 426 467	10,7	4 454 439	4 322 082	-3,0
Textiles, clothing, leather and footwear	41 463 312	3 656 256	3 706 267	1,4	3 695 174	3 454 940	-6,5
-Textiles	6 541 155	606 896	516 969	-14,8	575 369	469 002	-18,5
-Other textile products	10 775 306	997 428	982 498	-1,5	929 768	899 849	-3,2
-Knitted, crocheted articles	1 812 329	170 606	180 831	6,0	181 464	158 910	-12,4
-Wearing apparel	14 691 677	1 235 119	1 295 373	4,9	1 303 591	1 239 340	-4,9
-Leather and leather products	4 823 510	418 795	487 632	16,4	453 609	444 755	-2,0
-Footwear	2 819 335	227 412	242 964	6,8	251 372	243 083	-3,3
Wood and wood products, paper, publishing and printing	93 694 669	7 921 231	8 273 586	4,4	8 522 780	8 111 522	-4,8
-Sawmilling and planing of wood	6 214 792	572 626	538 763	-5,9	562 272	513 528	-8,7
-Products of wood	14 225 883	1 155 825	1 241 490	7,4	1 312 246	1 260 069	-4,0
-Paper and paper products	40 527 758	3 415 500	3 694 680	8,2	3 875 820	3 625 932	-6,4
-Publishing	14 336 533	1 220 923	1 201 255	-1,6	1 188 776	1 186 709	-0,2
-Printing, recorded media	18 389 703	1 556 357	1 597 398	2,6	1 583 665	1 525 284	-3,7
Petroleum, chemical products, rubber and plastic products	236 893 389	18 689 706	24 355 365	30,3	23 669 567	24 245 396	2,4
-Coke, petroleum products and nuclear fuel	86 358 423	6 225 977	9 786 639	57,2	9 062 173	9 836 302	8,5
-Basic chemicals	51 893 414	4 014 228	5 670 404	41,3	5 538 357	5 847 826	5,6
-Other chemical products	54 779 474	4 758 092	4 906 095	3,1	5 031 187	4 639 642	-7,8
-Rubber products	10 217 878	973 911	1 002 018	2,9	920 377	921 048	0,1
-Plastic products	33 644 200	2 717 498	2 990 209	10,0	3 117 473	3 000 577	-3,7
Glass and non-metallic mineral products	32 988 751	2 832 170	2 844 785	0,4	3 086 940	2 893 465	-6,3
-Glass and glass products	5 834 297	452 528	464 029	2,5	530 034	517 796	-2,3
-Non-metallic mineral products	27 154 454	2 379 642	2 380 756	0,0	2 556 906	2 375 669	-7,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	251 388 035	21 616 634	24 683 099	14,2	23 858 570	24 068 875	0,9
-Basic iron and steel products	98 911 116	8 055 259	10 723 736	33,1	10 230 744	10 853 434	6,1
-Non-ferrous metal products	38 935 281	3 597 984	3 533 983	-1,8	3 522 893	3 385 377	-3,9
-Structural metal products	18 358 248	1 530 115	1 826 628	19,4	1 775 579	1 737 966	-2,1
-Other fabricated metal products	36 524 531	3 091 825	3 241 423	4,8	3 203 836	3 153 266	-1,6
-General purpose machinery	21 932 921	1 831 485	1 949 737	6,5	1 958 979	1 922 240	-1,9
-Special purpose machinery	26 838 561	2 604 753	2 571 989	-1,3	2 325 142	2 215 699	-4,7
-Household appliances	9 887 377	905 213	835 603	-7,7	841 397	800 894	-4,8
-Electrical machinery	35 204 763	3 070 467	3 497 328	13,9	3 668 499	3 373 016	-8,1
Radio, television and communication apparatus and professional equipment	14 054 230	1 229 242	1 287 794	4,8	1 164 081	1 210 419	4,0
-Radio, television and communication apparatus	7 936 222	706 539	752 598	6,5	654 569	700 351	7,0
-Professional equipment	6 118 008	522 703	535 196	2,4	509 512	510 069	0,1
Motor vehicles, parts and accessories and other transport equipment	174 954 470	16 085 128	17 249 462	7,2	16 048 686	16 167 981	0,7
-Motor vehicles	88 029 955	8 046 492	8 786 872	9,2	7 910 914	8 181 289	3,4
-Bodies for motor vehicles, trailers and semi-trailers	7 595 045	715 203	652 293	-8,8	659 127	625 047	-5,2
-Parts and accessories	66 275 795	6 145 282	6 336 820	3,1	6 229 361	6 098 101	-2,1
-Other transport equipment	13 053 675	1 178 151	1 473 477	25,1	1 249 283	1 263 544	1,1
Furniture and other manufacturing division	53 633 076	4 253 645	4 477 048	5,3	4 831 071	4 590 034	-5,0
-Furniture	11 687 647	912 446	882 588	-3,3	1 047 420	913 974	-12,7
-Other manufacturing groups	41 945 429	3 341 199	3 594 460	7,6	3 783 650	3 676 060	-2,8
Total	1 124 974 564	94 413 107	108 305 865	14,7	106 849 144	105 812 982	-1,0

1/ Preliminary.

Table 9 – Percentage change between the current quarter and the corresponding quarter of the previous year in the physical volume of manufacturing production and sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights	Indices (base 2000=100)			Value of sales (R '000)		
		January to March 2007	January to March 2008	Annual percentage change between January to March 2007 and January to March 2008	January to March 2007	January to March 2008	Annual percentage change between January to March 2007 and January to March 2008
Food and beverages	16,4	113,5	115,2	1,5	42 684 618	50 815 706	19,0
-Meat, fish, fruit etc.	2,6	131,7	132,6	0,7	11 094 553	13 362 639	20,4
-Dairy products	1,1	116,4	114,3	-1,8	3 868 429	4 602 645	19,0
-Grain mill products	1,5	127,6	125,6	-1,6	7 505 630	10 047 954	33,9
-Other food products	6,8	84,0	88,9	5,8	8 402 762	10 003 201	19,0
-Beverages	4,3	143,3	142,9	-0,3	11 813 244	12 799 267	8,3
Textiles, clothing, leather and footwear	5,4	92,7	95,9	3,5	9 439 767	9 895 082	4,8
-Textiles	1,2	76,2	71,5	-6,2	1 513 821	1 478 814	-2,3
-Other textile products	1,2	108,4	113,0	4,2	2 559 526	2 567 313	0,3
-Knitted, crocheted articles	0,3	79,7	82,1	3,0	431 516	468 404	8,5
-Wearing apparel	2,0	98,4	105,5	7,2	3 171 346	3 411 966	7,6
-Leather and leather products	0,3	102,5	113,6	10,8	1 186 751	1 354 625	14,1
-Footwear	0,4	73,1	72,4	-1,0	576 807	613 960	6,4
Wood and wood products, paper, publishing and printing	11,0	112,4	111,3	-1,0	21 677 690	23 067 200	6,4
-Sawmilling and planing of wood	0,7	121,1	106,6	-12,0	1 544 786	1 510 962	-2,2
-Products of wood	1,0	120,8	121,2	0,3	3 033 243	3 428 391	13,0
-Paper and paper products	4,8	106,9	114,0	6,6	9 382 069	10 465 748	11,6
-Publishing	2,4	121,7	113,1	-7,1	3 482 443	3 361 693	-3,5
-Printing, recorded media	2,1	107,3	100,4	-6,4	4 235 149	4 300 406	1,5
Petroleum, chemical products, rubber and plastic products	22,5	116,8	124,4	6,5	52 793 167	66 227 023	25,4
-Coke, petroleum products and nuclear fuel	9,1	94,4	97,7	3,5	18 885 736	26 489 508	40,3
-Basic chemicals	4,0	130,4	154,0	18,1	11 379 229	15 135 234	33,0
-Other chemical products	5,4	131,3	134,3	2,3	12 566 958	13 439 904	6,9
-Rubber products	1,1	89,0	84,4	-5,2	2 558 027	2 657 434	3,9
-Plastic products	3,0	152,3	164,6	8,1	7 403 217	8 504 943	14,9
Glass and non-metallic mineral products	3,9	125,9	130,6	3,7	7 379 618	7 970 213	8,0
-Glass and glass products	1,1	143,2	151,2	5,6	1 288 417	1 367 918	6,2
-Non-metallic mineral products	2,9	119,4	123,0	3,0	6 091 201	6 602 295	8,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	123,8	120,8	-2,4	58 868 703	67 457 328	14,6
-Basic iron and steel products	5,5	117,5	105,2	-10,5	23 488 699	29 780 324	26,8
-Non-ferrous metal products	4,7	116,1	113,6	-2,2	9 258 045	9 450 013	2,1
-Structural metal products	1,3	122,6	134,8	10,0	3 999 860	4 718 999	18,0
-Other fabricated metal products	4,2	131,7	131,0	-0,5	8 043 574	8 824 810	9,7
-General purpose machinery	2,4	109,6	108,9	-0,6	4 874 871	5 320 748	9,1
-Special purpose machinery	3,2	143,9	147,9	2,8	6 755 781	7 028 525	4,0
-Household appliances	1,2	131,9	122,3	-7,3	2 447 873	2 334 745	-4,6
Electrical machinery	2,7	97,8	110,4	12,9	8 048 364	9 531 258	18,4
Radio, television and communication apparatus and professional equipment	1,3	111,8	112,1	0,3	3 351 235	3 435 872	2,5
-Radio, television and communication apparatus	0,7	96,1	99,3	3,3	1 884 703	1 946 945	3,3
-Professional equipment	0,6	127,8	125,1	-2,1	1 466 532	1 501 202	2,4
Motor vehicles, parts and accessories and other transport equipment	8,6	145,9	141,7	-2,9	43 158 185	45 862 475	6,3
-Motor vehicles	4,1	143,7	128,0	-10,9	21 757 134	22 120 700	1,7
-Bodies for motor vehicles, trailers and semi-trailers	0,4	211,7	206,6	-2,4	1 714 905	1 730 791	0,9
-Parts and accessories	3,1	154,4	161,6	4,7	16 528 728	18 291 652	10,7
-Other transport equipment	1,0	103,7	111,7	7,7	3 157 418	3 719 332	17,8
Furniture and other manufacturing division	5,8	111,4	110,7	-0,6	12 408 284	13 325 010	7,4
-Furniture	1,6	120,7	117,9	-2,3	2 418 877	2 406 018	-0,5
-Other manufacturing groups	4,2	108,0	108,0	0,0	9 989 407	10 918 992	9,3
Total	100,0	118,0	119,5	1,3	259 809 631	297 587 167	14,5

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

Manufacturing divisions and major groups	Weights	Indices (base 2000=100)				Value of sales (R million)			
		Jan. to Mar. 2007	Jan. to Mar. 2008	Annual percentage change between 2007 and 2008	Contribution (percentage points)	Jan. to Mar. 2007	Jan. to Mar. 2008	Annual percentage change between 2007 and 2008	Difference in sales between 2007 and 2008
Food and beverages	16,4	113,5	115,2	1,5	0,2	42 685	50 816	19,0	8 131
-Meat, fish, fruit etc.	2,6	131,7	132,6	0,7	0,0	11 095	13 363	20,4	2 268
-Dairy products	1,1	116,4	114,3	-1,8	0,0	3 868	4 603	19,0	735
-Grain mill products	1,5	127,6	125,6	-1,6	0,0	7 506	10 048	33,9	2 542
-Other food products	6,8	84,0	88,9	5,8	0,4	8 403	10 003	19,0	1 600
-Beverages	4,3	143,3	142,9	-0,3	0,0	11 813	12 799	8,3	986
Textiles, clothing, leather and footwear	5,4	92,7	95,9	3,5	0,2	9 440	9 895	4,8	455
-Textiles	1,2	76,2	71,5	-6,2	-0,1	1 514	1 479	-2,3	-35
-Other textile products	1,2	108,4	113,0	4,2	0,0	2 560	2 567	0,3	7
-Knitted, crocheted articles	0,3	79,7	82,1	3,0	0,0	432	468	8,3	36
-Wearing apparel	2,0	98,4	105,5	7,2	0,1	3 171	3 412	7,6	241
-Leather and leather products	0,3	102,5	113,6	10,8	0,0	1 187	1 355	14,2	168
-Footwear	0,4	73,1	72,4	-1,0	0,0	577	614	6,4	37
Wood and wood products, paper, publishing and printing	11,0	112,4	111,3	-1,0	-0,1	21 678	23 067	6,4	1 389
-Sawmilling and planing of wood	0,7	121,1	106,6	-12,0	-0,1	1 545	1 511	-2,2	-34
-Products of wood	1,0	120,8	121,2	0,3	0,0	3 033	3 428	13,0	395
-Paper and paper products	4,8	106,9	114,0	6,6	0,3	9 382	10 466	11,6	1 084
-Publishing	2,4	121,7	113,1	-7,1	-0,2	3 482	3 362	-3,4	-120
-Printing, recorded media	2,1	107,3	100,4	-6,4	-0,1	4 235	4 300	1,5	65
Petroleum, chemical products, rubber and plastic products	22,5	116,8	124,4	6,5	1,5	52 793	66 227	25,4	13 434
-Coke, petroleum products and nuclear fuel	9,1	94,4	97,7	3,5	0,3	18 886	26 490	40,3	7 604
-Basic chemicals	4,0	130,4	154,0	18,1	0,7	11 379	15 135	33,0	3 756
-Other chemical products	5,4	131,3	134,3	2,3	0,1	12 567	13 440	6,9	873
-Rubber products	1,1	89,0	84,4	-5,2	-0,1	2 558	2 657	3,9	99
-Plastic products	3,0	152,3	164,6	8,1	0,2	7 403	8 505	14,9	1 102
Glass and non-metallic mineral products	3,9	125,9	130,6	3,7	0,1	7 380	7 970	8,0	590
-Glass and glass products	1,1	143,2	151,2	5,6	0,1	1 288	1 368	6,2	80
-Non-metallic mineral products	2,9	119,4	123,0	3,0	0,1	6 091	6 602	8,4	511
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	123,8	120,8	-2,4	-0,5	58 869	67 457	14,6	8 588
-Basic iron and steel products	5,5	117,5	105,2	-10,5	-0,6	23 489	29 780	26,8	6 291
-Non-ferrous metal products	4,7	116,1	113,6	-2,2	-0,1	9 258	9 450	2,1	192
-Structural metal products	1,3	122,6	134,8	10,0	0,1	4 000	4 719	18,0	719
-Other fabricated metal products	4,2	131,7	131,0	-0,5	0,0	8 044	8 825	9,7	781
-General purpose machinery	2,4	109,6	108,9	-0,6	0,0	4 875	5 321	9,1	446
-Special purpose machinery	3,2	143,9	147,9	2,8	0,1	6 756	7 029	4,0	273
-Household appliances	1,2	131,9	122,3	-7,3	-0,1	2 448	2 335	-4,6	-113
Electrical machinery	2,7	97,8	110,4	12,9	0,3	8 048	9 531	18,4	1 483
Radio, television and communication apparatus and professional equipment	1,3	111,8	112,1	0,3	0,0	3 351	3 436	2,5	85
-Radio, television and communication apparatus	0,7	96,1	99,3	3,3	0,0	1 885	1 947	3,3	62
-Professional equipment	0,6	127,8	125,1	-2,1	0,0	1 467	1 501	2,3	34
Motor vehicles, parts and accessories and other transport equipment	8,6	145,9	141,7	-2,9	-0,2	43 158	45 862	6,3	2 704
-Motor vehicles	4,1	143,7	128,0	-10,9	-0,4	21 757	22 121	1,7	364
-Bodies for motor vehicles, trailers and semi-trailers	0,4	211,7	206,6	-2,4	0,0	1 715	1 731	0,9	16
-Parts and accessories	3,1	154,4	161,6	4,7	0,1	16 529	18 292	10,7	1 763
-Other transport equipment	1,0	103,7	111,7	7,7	0,0	3 157	3 719	17,8	562
Furniture and other manufacturing division	5,8	111,4	110,7	-0,6	0,0	12 408	13 325	7,4	917
-Furniture	1,6	120,7	117,9	-2,3	0,0	2 419	2 406	-0,5	-13
-Other manufacturing groups	4,2	108,0	108,0	0,0	0,0	9 989	10 919	9,3	930
Total	100,0	118,0	119,5	1,3	1,3	259 810	297 587	14,5	37 777

1/ The contribution (percentage points) is calculated by multiplying the percentage change of each manufacturing group or division with the weight of the group or division, divided by 100.

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 new business register, 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 2000. Both estimated and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the latest month has 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 new business register, based on units registered for value-added tax (VAT) and income tax (IT), obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate indices of the physical volume of manufacturing production. These indices provide an indicator of the real level of manufacturing activity in the economy. They are used in monitoring the state of the economy and formulation of economic policy. They are also important inputs to estimation of the Gross Domestic Product (GDP).
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
 - the manufacturing, processing, making or packing of products;
 - the slaughtering of animals, including poultry; and
 - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of all Economic Activities (SIC)*, Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities (ISIC)* with suitable adaptations for local conditions. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level. Each enterprise is classified to an industry which reflects its predominant activity.
- Response rate**
- 9 The preliminary response rate for the survey on manufacturing production and sales for March 2008 was 82,4%. Improved response rate for February 2008 was 86,3%.
- 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 approximately 3 100 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 3 046 enterprises, which was drawn in May 2007 from a population then of 56 801 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 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 1996 to 2000, the weights are based on the 1996 Census of Manufacturing and for the period 2001 to 2008, the weights are based on the 2001 large sample survey of the manufacturing industry. Weights between census 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 E for the fixed weights which were used for the two periods 1996 to 2000 and 2001 to 2008).
- Seasonal adjustment**
- 17 Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Programme 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 of figures** **23** The figures in the tables have, where necessary, been rounded to the nearest digit 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**
- | | |
|----------|---------------------------------------------------------------|
| GDP | Gross Domestic Product |
| ISIC | International Standard Industrial Classification |
| m | Million |
| SIC | Standard Industrial Classification of all Economic Activities |
| SARS | South African Revenue Service |
| Stats SA | Statistics South Africa |
| VAT | Value-added tax |
| 1/ | Preliminary figures |
| * | 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.

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

where 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	10 000 000
Small	10 000 001	26 000 000
Medium	26 000 001	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 2000. 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. <p>Output excludes excise and customs duty paid.</p>
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 E – Weights according to manufacturing major groups

Manufacturing divisions and major groups	Weights according to the 2001 large sample survey of the manufacturing industry 2001 - 2008	Weights according to the 1996 census of manufacturing 1996 - 2000
Food and beverages	16,4	15,3
Meat, fish, fruit, etc.	2,6	2,8
Dairy products	1,1	1,4
Grain mill products	1,5	2,1
Other food products	6,8	4,4
Beverages	4,3	4,6
Textiles, clothing, leather and footwear	5,4	7,8
Textiles	1,2	1,7
Other textile products	1,2	1,2
Knitted, crocheted articles	0,3	0,6
Wearing apparel	2,0	3,0
Tanning, dressing of leather	0,3	0,4
Footwear	0,4	0,9
Wood and wood products, paper, publishing and printing	11,0	11,4
Sawmilling and planing of wood	0,7	0,8
Products of wood	1,0	1,2
Paper and paper products	4,8	5,3
Publishing	2,4	1,5
Printing, recorded media	2,1	2,6
Petroleum, chemical products, rubber and plastic products	22,5	19,3
Petroleum products	9,1	4,2
Basic chemicals	4,0	4,5
Other chemical products	5,4	6,2
Rubber products	1,1	1,4
Plastic products	3,0	3,1
Glass and non-metallic mineral products	3,9	4,5
Glass and glass products	1,1	1,0
Non-metallic mineral products	2,9	3,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	23,6
Basic iron and steel products	5,5	7,6
Non-ferrous metal products	4,7	3,2
Structural metal products	1,3	2,4
Other fabricated metal products	4,2	4,6
General purpose machinery	2,4	2,5
Special purpose machinery	3,2	2,9
Household appliances	1,2	0,4
Electrical machinery	2,7	3,4
Radio, television and communication apparatus and professional equipment	1,3	1,5
Radio, television and communication apparatus	0,7	1,0
Professional equipment	0,6	0,5
Motor vehicles, parts and accessories and other transport equipment	8,6	9,1
Motor vehicles	4,1	4,5
Bodies for motor vehicles, trailers and semi-trailers	0,4	0,5
Parts and accessories	3,1	3,0
Other transport equipment	1,0	1,0
Other manufacturing divisions	5,8	4,1
Furniture	1,6	1,6
Other manufacturing groups	4,2	2,6
Total	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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