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Contents

Page

SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES	2
DETAILED RESULTS: TABLES	8
Table 1 Index of the physical volume of manufacturing production: Total	8
Table 2 Annual percentage change in the index of the physical volume of manufacturing production: Total	8
Table 3 Seasonally adjusted index of the physical volume of manufacturing production: Total.....	8
Table 4a Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups	9
Table 4b Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded).....	10
Table 5 Total estimated sales of the manufacturing industry at current prices (R'000)	11
Table 6 Annual percentage change in the value of sales of the manufacturing industry: Total	11
Table 7 Total seasonally adjusted sales of the manufacturing industry (R'000)	11
Table 8a Sales of manufactured products according to manufacturing divisions and major groups (R'000)	12
Table 8b Sales of manufactured products according to manufacturing divisions and major groups (R'000) (concluded)	13
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	14
Table 10 Annual percentage change in the physical volume of manufacturing production and value of sales according to manufacturing divisions and major groups	15
Explanatory notes.....	16
Glossary	20
Table E – Weights according to manufacturing major groups.....	22
General information.....	23

SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

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

Estimates	June 2008	% change between June 2007 and June 2008	% change between April to June 2007 and April to June 2008	% change between January to June 2007 and January to June 2008
Physical volume of manufacturing production index (2000=100)	131,3	6,1	5,7	3,5
Total value of sales of manufactured products (R million)	117 517	26,6	24,8	19,8

Seasonally adjusted estimates	June 2008	% change between May and June 2008	% change between January to March 2008 and April to June 2008
Physical volume of manufacturing production index (2000=100)	130,1	0,9	4,1
Total value of sales of manufactured products (R million)	116 151	2,9	10,0

Manufacturing production increases

Manufacturing production rebounded in June 2008, increasing by 6,1% compared with June 2007, following weak production in May 2008 (1,1% annual increase). The strong manufacturing production in June 2008 followed gains reported by the food and beverages division and the petroleum, chemical products, rubber and plastic products division. Production in the petroleum, chemical products, rubber and plastic products division was low in June 2007, as a result of maintenance at some refineries.

In the first six months of 2008, manufacturing production increased by 3,5% compared with the same period in 2007, but this was lower than the increase of 5,4% reported for the same period in 2007. The estimated seasonally adjusted manufacturing production for the second quarter of 2008 increased by 4,1% compared with the first quarter of 2008. Higher production levels were reported by eight of the ten manufacturing divisions.

The major contributor to the seasonally adjusted increase of 4,1% in total manufacturing production for the second quarter of 2008 compared with the first quarter of 2008 was the food and beverages division (contributing +1,7 percentage points), followed by the petroleum, chemical products, rubber and plastic products division (contributing +1,2 percentage points), the wood and wood products, paper, publishing and printing division and the motor vehicles, parts and accessories and other transport equipment division (each contributing +0,4 of a percentage point), the basic iron and steel, non-ferrous metal products, metal products and machinery division and the furniture and 'other' manufacturing division (each contributing +0,2 of a percentage point) (see Table B).

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

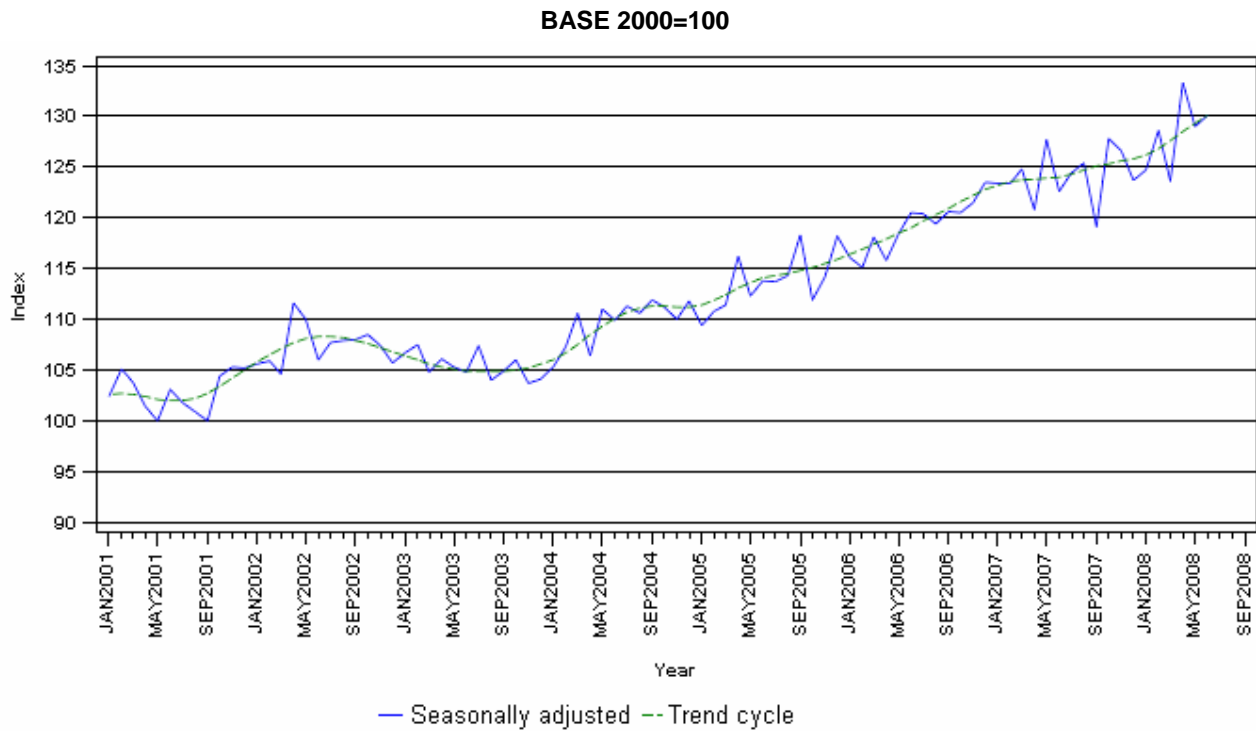
(Base 2000=100)

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 January to March 2008	Average seasonally adjusted production index for April to June 2008	Quarterly percentage change of April to June 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	124,9	137,5	10,1	1,7
-Food and food products	12,1	119,3	133,1	11,6	1,4
-Beverages	4,3	140,5	150,0	6,8	0,3
Textiles, clothing, leather and footwear	5,4	103,6	105,8	2,1	0,1
-Textiles	2,4	97,8	97,1	-0,7	0,0
-Wearing apparel	2,3	113,2	117,5	3,8	0,1
-Leather and leather products	0,3	108,5	107,2	-1,2	0,0
-Footwear	0,4	82,4	91,4	10,9	0,0
Wood and wood products, paper, publishing and printing	11,0	117,2	121,5	3,7	0,4
-Wood and products of wood	1,7	123,0	132,2	7,5	0,1
-Paper and paper products	4,8	120,9	129,4	7,0	0,3
-Publishing and printing	4,6	111,1	109,1	-1,8	-0,1
Petroleum, chemical products, rubber and plastic products	22,5	129,9	136,6	5,2	1,2
-Coke, petroleum products and nuclear fuel	9,1	98,0	101,5	3,6	0,3
-Basic chemicals	4,0	164,4	181,0	10,1	0,4
-Other chemical products	5,4	142,5	150,1	5,3	0,3
-Rubber products	1,1	84,8	91,3	7,7	0,1
-Plastic products	3,0	176,2	178,3	1,2	0,0
Glass and non-metallic mineral products	3,9	143,7	139,8	-2,7	-0,1
-Glass and glass products	1,1	167,8	162,6	-3,1	0,0
-Non-metallic mineral products	2,9	134,7	131,3	-2,5	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	124,5	125,8	1,0	0,2
-Basic iron and steel products	5,5	104,7	111,6	6,6	0,4
-Basic precious, non-ferrous metal products	4,7	115,0	113,1	-1,7	-0,1
-Fabricated metal products	5,5	140,4	149,3	6,3	0,3
-Machinery and equipment	6,7	134,8	127,1	-5,7	-0,4
Electrical machinery	2,7	119,0	118,6	-0,3	0,0
Radio, television and communication apparatus and professional equipment	1,3	115,6	122,6	6,1	0,1
-Radio, television and communication apparatus	0,7	104,0	113,0	8,7	0,1
-Professional equipment	0,6	127,4	132,4	3,9	0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	143,9	149,9	4,2	0,4
-Motor vehicles, trailers, parts and accessories	7,6	148,7	155,7	4,7	0,4
-Other transport equipment	1,0	107,4	105,7	-1,6	0,0
Furniture and other manufacturing division	5,8	118,0	122,6	3,9	0,2
-Furniture	1,6	137,5	145,4	5,7	0,1
-Other manufacturing groups	4,2	110,6	114,0	3,1	0,1
Total	100,0	125,6	130,8	4,1	4,1

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 June 2008.

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 second quarter of 2008 increased by 10,0% (R31 447 million), after seasonal adjustment, compared with the first quarter of 2008. Higher manufacturing sales were reported by all ten manufacturing divisions during this period (see Table C).

The seasonally adjusted increase of 10,0% in the total value of sales of manufactured products at current prices for the second quarter of 2008 compared with the first quarter of 2008 was mainly due to increases reported for the petroleum, chemical products, rubber and plastic products division (+15,0% or + R10 640 million), the motor vehicles, parts and accessories and other transport equipment division (+13,3% or +R6 236 million), the basic iron and steel, non-ferrous metal products, metal products and machinery division (+10,5% or +R7 527 million) and the food and beverages division (+6,0% or +R3 238 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 January to March 2008	Seasonally adjusted sales April to June 2008	Percentage change between January to March 2008 and April to June 2008	Difference in seasonally adjusted sales of manufacturing divisions between January to March 2008 and April to June 2008
	R '000	R '000		R '000
Food and beverages	53 605 088	56 842 840	6,0	3 237 752
-Food and food products	40 529 597	43 070 335	6,3	2 540 738
-Beverages	13 075 492	13 772 505	5,3	697 013
Textiles, clothing, leather and footwear	10 665 902	10 926 419	2,4	260 517
-Textiles	4 305 816	4 363 537	1,3	57 721
-Wearing apparel	4 323 621	4 514 769	4,4	191 148
-Leather and leather products	1 311 152	1 277 364	-2,6	-33 788
-Footwear	725 312	770 750	6,3	45 438
Wood and wood products, paper, publishing and printing	24 462 126	26 096 591	6,7	1 634 465
-Wood and products of wood	5 427 165	5 548 541	2,2	121 376
-Paper and paper products	11 061 382	12 244 196	10,7	1 182 814
-Publishing and printing	7 973 579	8 303 854	4,1	330 275
Petroleum, chemicals products, rubber and plastic products	70 705 705	81 345 333	15,0	10 639 628
-Coke, petroleum products and nuclear fuel	28 104 885	35 181 548	25,2	7 076 663
-Basic chemicals	16 510 116	18 208 144	10,3	1 698 028
-Other chemical products	14 233 440	15 209 908	6,9	976 468
-Rubber products	2 731 421	2 979 480	9,1	248 059
-Plastic products	9 125 844	9 766 253	7,0	640 409
Glass and non-metallic mineral products	8 816 271	8 995 866	2,0	179 595
-Glass and glass products	1 572 637	1 528 509	-2,8	-44 128
-Non-metallic mineral products	7 243 634	7 467 357	3,1	223 723
Basic iron and steel, non-ferrous metal products, metal products and machinery	71 475 862	79 002 947	10,5	7 527 085
-Basic iron and steel products	31 292 552	36 951 362	18,1	5 658 810
-Basic precious, non-ferrous metal products	10 211 417	10 574 960	3,6	363 543
-Fabricated metal products	14 696 398	16 559 231	12,7	1 862 833
-Machinery and equipment	15 275 495	14 917 395	-2,3	-358 100
Electrical machinery	10 284 512	10 447 150	1,6	162 638
Radio, television and communication apparatus and professional equipment	3 547 545	3 806 639	7,3	259 094
-Radio, television and communication apparatus	2 038 572	2 206 138	8,2	167 566
-Professional equipment	1 508 974	1 600 501	6,1	91 527
Motor vehicles, parts and accessories and other transport equipment	46 942 942	53 179 112	13,3	6 236 170
-Motor vehicles, trailers, parts and accessories	43 320 048	49 428 202	14,1	6 108 154
-Other transport equipment	3 622 894	3 750 912	3,5	128 018
Furniture and other manufacturing division	14 243 014	15 552 659	9,2	1 309 645
-Furniture	2 844 224	3 015 224	6,0	171 000
-Other manufacturing groups	11 398 790	12 537 434	10,0	1 138 644
Total	314 748 969	346 195 558	10,0	31 446 589

Sales of manufactured products increase

The value of sales of manufactured products at current prices for the second quarter of 2008 was 24,8% (R67 892 million) higher than for the second quarter of 2007 (see Table D). Increased sales were reflected in all divisions.

The major contributors to the increase of 24,8% in sales of manufactured products at current prices for the second quarter of 2008 compared with the second quarter of 2007 were the petroleum, chemical products, rubber and plastic products division (+8,6 percentage points or +R23 533 million), the basic iron and steel, non-ferrous metal products, metal products and machinery division (+5,8 percentage points or +R15 895 million), the food and beverages division (+3,7 percentage points or +R10 146 million) and the motor vehicles, parts and accessories and other transport equipment division (+3,4 percentage points or +R9 423 million) (see Table D).

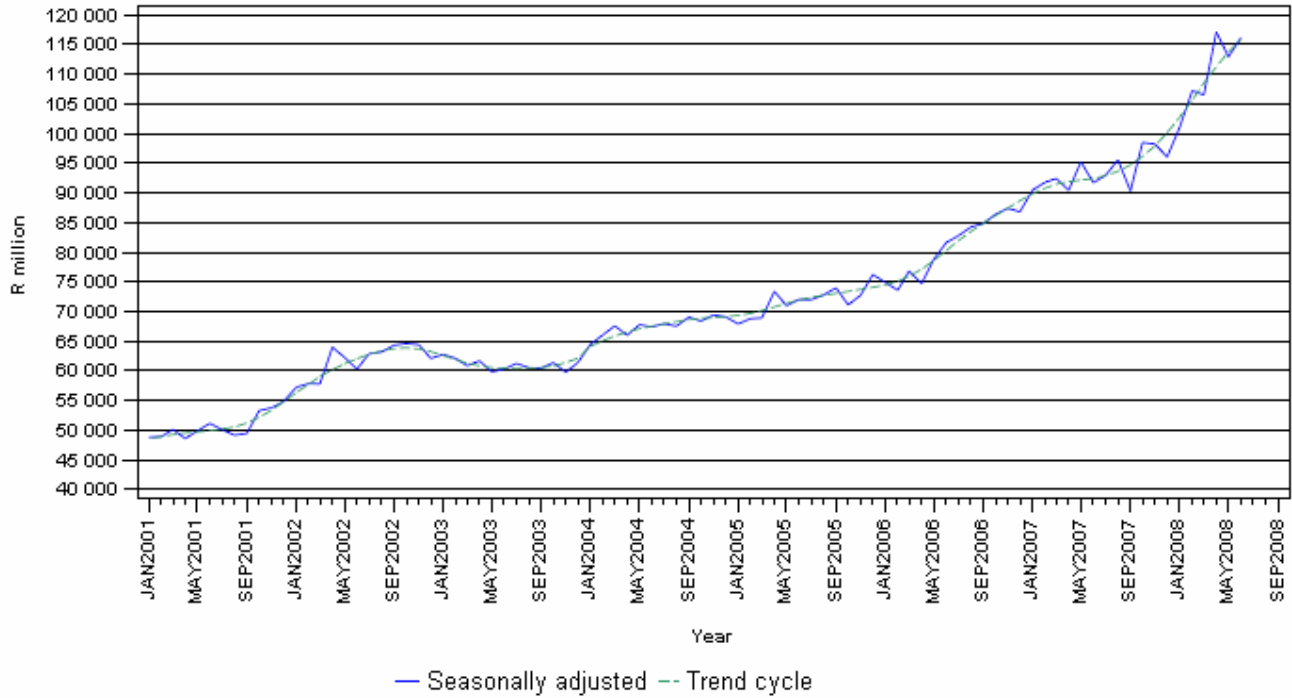
Table D – Contribution of the manufacturing divisions and major groups to the total value of sales of manufactured products at current prices

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products April to June 2007	Percentage change between April to June 2007 and April to June 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 April to June 2007 And April to June 2008
				R '000
Food and beverages	16,5	22,4	3,7	10 145 872
-Food and food products	12,3	26,8	3,3	9 058 671
-Beverages	4,2	9,5	0,4	1 087 201
Textiles, clothing, leather and footwear	3,7	7,9	0,3	791 116
-Textiles	1,6	2,6	0,0	114 689
-Wearing apparel	1,4	12,0	0,2	469 167
-Leather and leather products	0,4	8,7	0,0	100 841
-Footwear	0,2	17,1	0,0	106 419
Wood and wood products, paper, publishing and printing	8,3	13,2	1,1	2 997 979
-Wood and products of wood	1,8	11,8	0,2	592 645
-Paper and paper products	3,6	20,5	0,7	2 047 192
-Publishing and printing	2,8	4,7	0,1	358 142
Petroleum, chemicals products, rubber and plastic products	20,7	41,5	8,6	23 533 305
-Coke, petroleum products and nuclear fuel	7,3	73,1	5,3	14 590 700
-Basic chemicals	4,6	44,6	2,1	5 592 552
-Other chemical products	4,9	11,3	0,6	1 520 743
-Rubber products	0,9	18,0	0,2	456 884
-Plastic products	3,0	16,7	0,5	1 372 426
Glass and non-metallic mineral products	3,0	7,4	0,2	615 573
-Glass and glass products	0,5	2,0	0,0	29 023
-Non-metallic mineral products	2,5	8,5	0,2	586 550
Basic iron and steel, non-ferrous metal products, metal products and machinery	23,3	24,9	5,8	15 894 876
-Basic iron and steel products	9,6	45,8	4,4	12 003 271
-Basic precious, non-ferrous metal products	3,6	6,9	0,2	691 125
-Fabricated metal products	5,0	22,3	1,1	3 042 649
-Machinery and equipment	5,2	1,1	0,1	157 831
Electrical machinery	3,2	20,2	0,6	1 750 872
Radio, television and communication apparatus and professional equipment	1,2	9,6	0,1	326 604
-Radio, television and communication apparatus	0,7	13,1	0,1	247 797
-Professional equipment	0,5	5,2	0,0	78 807
Motor vehicles, parts and accessories and other transport equipment	15,4	22,4	3,4	9 423 230
-Motor vehicles, trailers, parts and accessories	14,2	23,2	3,3	8 984 900
-Other transport equipment	1,2	13,1	0,2	438 330
Furniture and other manufacturing division	4,7	18,8	0,9	2 412 424
-Furniture	1,0	5,2	0,1	145 506
-Other manufacturing groups	3,7	22,5	0,8	2 266 918
Total	100,0	24,8	24,8	67 891 851

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 June 2008.

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	108,8
Feb	103,6	104,3	103,6	106,3	110,1	118,2	122,8
Mar	108,2	108,4	114,1	114,9	121,4	128,3	126,9
Apr	104,4	100,0	100,3	109,2	109,2	113,9	1/ 125,7
May	110,3	105,7	111,6	112,8	118,9	128,1	1/ 129,5
Jun	106,7	105,3	110,5	114,3	121,4	123,7	1/ 131,3
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 – Annual 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	10,4
May	-	-4,2	5,6	1,1	5,4	7,7	1,1
Jun	-	-1,3	4,9	3,4	6,2	1,9	6,1
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	106,9	105,3	109,4	116,1	123,4	124,7
Feb	105,9	107,6	107,3	110,8	115,1	123,4	128,6
Mar	104,7	104,9	110,6	111,4	118,1	124,8	123,6
Apr	112,0	106,8	106,4	116,2	115,8	120,8	133,3
May	110,0	105,3	111,0	112,3	118,4	127,7	129,0
Jun	106,0	104,7	109,9	113,8	120,5	122,6	130,1
Jul	107,4	107,2	111,3	113,7	120,4	124,4	
Aug	107,7	103,8	110,6	114,3	119,4	125,4	
Sep	108,0	105,1	111,9	118,3	120,6	119,1	
Oct	108,6	106,1	111,2	111,9	120,5	127,8	
Nov	107,5	103,6	110,0	114,2	121,5	126,6	
Dec	105,1	103,1	111,8	118,2	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		
			June 2007	1/ May 2008	1/ June 2008	June 2007	May 2008	June 2008
Food and beverages	16,4	124,5	123,9	136,7	141,0	123,6	137,9	140,0
-Meat, fish, fruit etc.	2,6	130,7	128,4	140,4	145,2	127,2	136,2	143,9
-Dairy products	1,1	112,3	105,9	107,4	108,7	114,3	117,2	116,9
-Grain mill products	1,5	129,4	128,9	135,7	141,3	125,6	131,1	137,8
-Other food products	6,8	111,2	122,3	140,6	148,4	111,3	136,6	135,4
-Beverages	4,3	143,1	126,5	136,5	135,2	142,5	148,9	151,9
Textiles, clothing, leather and footwear	5,4	102,6	105,0	107,5	102,3	105,6	106,3	103,2
-Textiles	1,2	80,0	89,9	80,6	74,3	84,0	75,1	69,2
-Other textile products	1,2	119,5	122,8	120,7	119,4	119,3	121,2	115,8
-Knitted, crocheted articles	0,3	82,6	87,3	100,3	96,7	82,9	89,1	92,2
-Wearing apparel	2,0	113,8	114,1	121,6	112,8	122,0	123,2	120,9
-Leather and leather products	0,3	101,6	94,7	108,8	104,5	94,4	106,4	104,8
-Footwear	0,4	84,9	79,8	88,5	90,6	80,2	89,8	91,0
Wood and wood products, paper, publishing and printing	11,0	117,5	118,6	121,3	123,3	117,8	120,9	122,3
-Sawmilling and planing of wood	0,7	116,4	126,2	120,1	124,2	119,9	119,1	118,3
-Products of wood	1,0	134,9	148,3	131,5	161,0	134,6	131,5	145,4
-Paper and paper products	4,8	113,5	119,4	131,4	134,0	115,9	130,0	130,5
-Publishing	2,4	123,9	113,1	112,9	107,4	118,8	116,0	113,4
-Printing, recorded media	2,1	111,4	106,9	104,2	99,9	112,3	102,1	104,5
Petroleum, chemical products, rubber and plastic products	22,5	124,1	117,2	136,3	136,3	117,4	135,0	136,4
-Coke, petroleum products and nuclear fuel	9,1	97,0	78,7	100,8	103,4	77,7	100,5	102,1
-Basic chemicals	4,0	142,3	142,9	182,9	175,6	146,5	183,6	179,4
-Other chemical products	5,4	139,6	140,6	149,5	149,4	140,3	146,7	148,8
-Rubber products	1,1	82,9	85,2	96,9	85,9	84,5	89,9	85,6
-Plastic products	3,0	170,6	171,0	174,3	180,5	171,3	172,3	180,9
Glass and non-metallic mineral products	3,9	136,6	140,5	141,7	140,7	134,5	140,4	135,0
-Glass and glass products	1,1	155,0	155,9	157,9	162,3	149,5	163,1	155,9
-Non-metallic mineral products	2,9	129,7	134,7	135,7	132,6	128,9	131,9	127,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	126,3	126,9	125,0	124,4	126,6	124,9	124,1
-Basic iron and steel products	5,5	111,8	104,5	111,5	113,4	106,2	111,7	115,2
-Non-ferrous metal products	4,7	118,9	120,2	117,2	107,7	121,7	114,8	109,2
-Structural metal products	1,3	137,7	146,8	163,4	151,0	138,2	152,2	142,0
-Other fabricated metal products	4,2	140,7	148,9	149,6	156,7	143,7	148,5	150,9
-General purpose machinery	2,4	119,8	122,2	107,5	105,2	120,4	106,1	103,9
-Special purpose machinery	3,2	143,0	141,8	124,6	130,7	145,6	135,3	134,4
-Household appliances	1,2	130,0	129,5	126,5	119,1	132,1	123,9	121,8
-Electrical machinery	2,7	106,6	109,9	118,9	117,7	107,1	115,7	115,0
Radio, television and communication apparatus and professional equipment	1,3	116,9	123,1	115,6	128,5	117,2	121,5	122,0
-Radio, television and communication apparatus	0,7	100,3	103,4	96,7	121,7	97,5	108,6	114,4
-Professional equipment	0,6	133,7	143,1	134,7	135,4	137,2	134,6	129,6
Motor vehicles, parts and accessories and other transport equipment	8,6	144,7	142,1	145,4	144,3	141,2	139,7	143,9
-Motor vehicles	4,1	140,7	138,1	136,2	133,9	135,4	131,2	131,5
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,2	204,8	256,0	271,3	204,9	248,3	274,2
-Parts and accessories	3,1	154,5	149,8	160,9	153,5	152,6	152,3	156,8
-Other transport equipment	1,0	103,1	111,0	93,8	111,2	106,0	94,1	106,0
Furniture and other manufacturing division	5,8	120,1	130,5	111,8	134,6	122,3	117,1	125,7
-Furniture	1,6	142,6	139,7	139,6	145,7	139,8	141,4	145,8
-Other manufacturing groups	4,2	111,6	127,0	101,3	130,4	115,7	107,9	118,1
Total	100,0	124,2	123,7	129,5	131,3	122,6	129,0	130,1

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		
			June 2007	1/ June 2008	Percentage difference between June 2007 and June 2008	May 2008	June 2008	Percentage difference between May and June 2008
Food and beverages	16,4	124,5	123,9	141,0	13,8	137,9	140,0	1,5
-Meat, fish, fruit etc.	2,6	130,7	128,4	145,2	13,1	136,2	143,9	5,7
-Dairy products	1,1	112,3	105,9	108,7	2,6	117,2	116,9	-0,3
-Grain mill products	1,5	129,4	128,9	141,3	9,6	131,1	137,8	5,1
-Other food products	6,8	111,2	122,3	148,4	21,3	136,6	135,4	-0,9
-Beverages	4,3	143,1	126,5	135,2	6,9	148,9	151,9	2,0
Textiles, clothing, leather and footwear	5,4	102,6	105,0	102,3	-2,6	106,3	103,2	-2,9
-Textiles	1,2	80,0	89,9	74,3	-17,4	75,1	69,2	-7,9
-Other textile products	1,2	119,5	122,8	119,4	-2,8	121,2	115,8	-4,5
-Knitted, crocheted articles	0,3	82,6	87,3	96,7	10,8	89,1	92,2	3,5
-Wearing apparel	2,0	113,8	114,1	112,8	-1,1	123,2	120,9	-1,9
-Leather and leather products	0,3	101,6	94,7	104,5	10,3	106,4	104,8	-1,5
-Footwear	0,4	84,9	79,8	90,6	13,5	89,8	91,0	1,3
Wood and wood products, paper, publishing and printing	11,0	117,5	118,6	123,3	4,0	120,9	122,3	1,2
-Sawmilling and planing of wood	0,7	116,4	126,2	124,2	-1,6	119,1	118,3	-0,7
-Products of wood	1,0	134,9	148,3	161,0	8,6	131,5	145,4	10,6
-Paper and paper products	4,8	113,5	119,4	134,0	12,2	130,0	130,5	0,4
-Publishing	2,4	123,9	113,1	107,4	-5,0	116,0	113,4	-2,2
-Printing, recorded media	2,1	111,4	106,9	99,9	-6,5	102,1	104,5	2,4
Petroleum, chemical products, rubber and plastic products	22,5	124,1	117,2	136,3	16,3	135,0	136,4	1,0
-Coke, petroleum products and nuclear fuel	9,1	97,0	78,7	103,4	31,4	100,5	102,1	1,6
-Basic chemicals	4,0	142,3	142,9	175,6	22,9	183,6	179,4	-2,3
-Other chemical products	5,4	139,6	140,6	149,4	6,3	146,7	148,8	1,4
-Rubber products	1,1	82,9	85,2	85,9	0,8	89,9	85,6	-4,8
-Plastic products	3,0	170,6	171,0	180,5	5,6	172,3	180,9	5,0
Glass and non-metallic mineral products	3,9	136,6	140,5	140,7	0,1	140,4	135,0	-3,8
-Glass and glass products	1,1	155,0	155,9	162,3	4,1	163,1	155,9	-4,4
-Non-metallic mineral products	2,9	129,7	134,7	132,6	-1,6	131,9	127,2	-3,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	126,3	126,9	124,4	-2,0	124,9	124,1	-0,6
-Basic iron and steel products	5,5	111,8	104,5	113,4	8,5	111,7	115,2	3,1
-Non-ferrous metal products	4,7	118,9	120,2	107,7	-10,4	114,8	109,2	-4,9
-Structural metal products	1,3	137,7	146,8	151,0	2,9	152,2	142,0	-6,7
-Other fabricated metal products	4,2	140,7	148,9	156,7	5,2	148,5	150,9	1,6
-General purpose machinery	2,4	119,8	122,2	105,2	-13,9	106,1	103,9	-2,1
-Special purpose machinery	3,2	143,0	141,8	130,7	-7,8	135,3	134,4	-0,7
-Household appliances	1,2	130,0	129,5	119,1	-8,0	123,9	121,8	-1,7
Electrical machinery	2,7	106,6	109,9	117,7	7,1	115,7	115,0	-0,6
Radio, television and communication apparatus and professional equipment	1,3	116,9	123,1	128,5	4,4	121,5	122,0	0,4
-Radio, television and communication apparatus	0,7	100,3	103,4	121,7	17,7	108,6	114,4	5,3
-Professional equipment	0,6	133,7	143,1	135,4	-5,4	134,6	129,6	-3,7
Motor vehicles, parts and accessories and other transport equipment	8,6	144,7	142,1	144,3	1,5	139,7	143,9	3,0
-Motor vehicles	4,1	140,7	138,1	133,9	-3,0	131,2	131,5	0,2
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,2	204,8	271,3	32,5	248,3	274,2	10,4
-Parts and accessories	3,1	154,5	149,8	153,5	2,5	152,3	156,8	3,0
-Other transport equipment	1,0	103,1	111,0	111,2	0,2	94,1	106,0	12,6
Furniture and other manufacturing division	5,8	120,1	130,5	134,6	3,1	117,1	125,7	7,3
-Furniture	1,6	142,6	139,7	145,7	4,3	141,4	145,8	3,1
-Other manufacturing groups	4,2	111,6	127,0	130,4	2,7	107,9	118,1	9,5
Total	100,0	124,2	123,7	131,3	6,1	129,0	130,1	0,9

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	86 813 571
Feb	57 530 894	61 544 562	63 772 089	66 251 198	70 758 982	88 142 916	102 567 142
Mar	61 291 760	64 082 291	69 432 309	70 644 727	78 541 964	94 413 107	108 418 004
Apr	61 619 502	59 904 600	62 483 652	69 282 353	70 410 213	85 289 603	1/ 110 569 130
May	63 820 095	61 503 788	68 142 813	71 278 474	79 112 653	95 842 149	1/ 113 766 611
Jun	62 396 131	62 129 864	67 898 336	72 555 903	82 365 603	92 828 745	1/ 117 516 607
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 – Annual 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	12,4
Feb	-	7,0	3,6	3,9	6,8	24,6	16,4
Mar	-	4,6	8,3	1,7	11,2	20,2	14,8
Apr	-	-2,8	4,3	10,9	1,6	21,1	29,6
May	-	-3,6	10,8	4,6	11,0	21,1	18,7
Jun	-	-0,4	9,3	6,9	13,5	12,7	26,6
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	58 297 537	63 942 819	64 466 772	67 889 151	74 904 493	90 450 202	101 025 033
Feb	59 172 370	63 496 098	66 061 197	68 799 249	73 578 212	91 753 908	107 210 510
Mar	59 001 866	62 073 799	67 574 507	68 905 833	76 799 716	92 412 447	106 513 426
Apr	65 442 235	63 376 677	65 973 034	73 390 354	74 699 702	90 422 603	117 130 940
May	63 395 901	61 118 788	67 755 273	70 969 737	78 758 310	95 247 726	112 913 255
Jun	61 493 148	61 511 607	67 391 720	72 026 595	81 587 685	91 706 469	116 151 363
Jul	64 120 781	62 442 324	67 925 310	71 969 339	82 750 060	92 921 985	.
Aug	64 449 779	61 389 963	67 516 021	72 786 318	84 217 763	95 545 417	.
Sep	65 472 918	61 463 630	69 035 552	73 972 228	84 831 508	90 306 982	.
Oct	66 012 329	62 786 632	68 381 646	71 105 917	86 359 081	98 486 065	.
Nov	65 683 998	60 804 436	69 401 861	72 746 436	87 377 642	98 205 986	.
Dec	63 412 337	62 593 426	69 099 671	76 229 985	86 808 558	96 049 234	.

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		
		June 2007	1/ May 2008	1/ June 2008	June 2007	May 2008	June 2008
Food and beverages	190 699 869	15 345 569	17 893 829	19 169 034	15 547 079	18 296 438	19 334 301
-Meat, fish, fruit etc.	48 534 325	3 988 940	4 807 645	5 210 585	3 977 680	4 800 596	5 200 032
-Dairy products	16 370 695	1 254 268	1 486 827	1 534 524	1 330 971	1 579 522	1 624 917
-Grain mill products	35 351 201	2 967 541	3 772 213	3 997 476	2 886 325	3 673 898	3 888 782
-Other food products	40 383 997	3 356 261	3 796 833	4 202 930	3 229 819	3 772 593	4 030 848
-Beverages	50 059 651	3 778 559	4 030 311	4 223 519	4 122 285	4 469 829	4 589 722
Textiles, clothing, leather and footwear	41 463 312	3 477 488	3 635 399	3 582 603	3 515 809	3 619 023	3 627 216
-Textiles	6 541 155	600 920	583 622	571 766	570 013	549 565	541 088
-Other textile products	10 775 306	937 712	926 377	909 583	899 093	913 528	869 984
-Knitted, crocheted articles	1 812 329	162 697	193 031	182 975	151 222	165 732	170 274
-Wearing apparel	14 691 677	1 181 242	1 268 160	1 262 284	1 289 608	1 317 098	1 375 740
-Leather and leather products	4 823 510	386 243	418 018	411 500	385 991	419 915	412 492
-Footwear	2 819 335	208 674	246 191	244 495	219 884	253 186	257 639
Wood and wood products, paper, publishing and printing	93 694 669	7 896 359	8 608 977	8 817 469	7 741 817	8 557 831	8 635 115
-Sawmilling and planing of wood	6 214 792	523 174	566 464	537 623	508 316	553 740	524 008
-Products of wood	14 225 883	1 266 014	1 282 934	1 366 607	1 168 483	1 282 030	1 258 441
-Paper and paper products	40 527 758	3 541 221	4 014 781	4 234 382	3 398 468	3 971 171	4 066 493
-Publishing	14 336 533	1 109 276	1 134 918	1 160 994	1 138 684	1 186 662	1 195 004
-Printing, recorded media	18 389 703	1 456 674	1 609 880	1 517 863	1 527 867	1 564 228	1 591 169
Petroleum, chemical products, rubber and plastic products	236 893 389	18 349 084	26 841 300	27 884 943	18 564 900	26 405 817	28 402 027
-Coke, petroleum products and nuclear fuel	86 358 423	5 961 900	11 552 556	12 487 517	6 229 978	11 236 150	13 078 333
-Basic chemicals	51 893 414	4 181 929	6 176 835	6 186 516	4 119 539	6 102 631	6 099 734
-Other chemical products	54 779 474	4 467 605	4 910 491	4 962 262	4 510 110	4 879 087	5 010 379
-Rubber products	10 217 878	888 724	1 003 459	965 833	859 088	979 315	937 415
-Plastic products	33 644 200	2 848 926	3 197 959	3 282 815	2 846 185	3 208 635	3 276 166
Glass and non-metallic mineral products	32 988 751	2 853 182	2 947 709	3 000 922	2 717 436	2 887 914	2 860 168
-Glass and glass products	5 834 297	493 494	463 518	492 505	487 171	489 407	486 992
-Non-metallic mineral products	27 154 454	2 359 688	2 484 191	2 508 417	2 230 265	2 398 507	2 373 176
Basic iron and steel, non-ferrous metal products, metal products and machinery	251 388 035	21 778 390	26 607 765	27 846 913	20 947 673	25 948 668	26 608 223
-Basic iron and steel products	98 911 116	8 823 963	12 670 839	13 592 820	8 259 799	12 179 425	12 672 396
-Non-ferrous metal products	38 935 281	3 325 610	3 614 459	3 610 615	3 263 425	3 507 367	3 549 178
-Structural metal products	18 358 248	1 630 886	2 002 309	1 960 874	1 540 293	1 883 784	1 850 324
-Other fabricated metal products	36 524 531	3 175 789	3 612 123	3 825 979	3 045 213	3 545 108	3 657 810
-General purpose machinery	21 932 921	1 863 472	1 909 905	1 884 452	1 800 538	1 891 835	1 822 496
-Special purpose machinery	26 838 561	2 157 293	1 986 217	2 201 724	2 211 578	2 167 562	2 257 493
-Household appliances	9 887 377	801 377	811 913	770 449	826 827	773 586	798 526
-Electrical machinery	35 204 763	3 030 030	3 441 531	3 554 331	2 942 662	3 374 564	3 451 569
Radio, television and communication apparatus and professional equipment	14 054 230	1 251 789	1 253 056	1 358 410	1 177 762	1 280 996	1 275 675
-Radio, television and communication apparatus	7 936 222	704 330	700 883	819 195	648 561	736 761	753 860
-Professional equipment	6 118 008	547 459	552 173	539 215	529 201	544 235	521 815
Motor vehicles, parts and accessories and other transport equipment	174 954 470	14 358 068	17 533 147	16 906 593	14 173 376	17 490 091	16 719 695
-Motor vehicles	88 029 955	7 139 419	8 610 370	8 127 802	7 035 786	8 844 556	8 019 174
-Bodies for motor vehicles, trailers and semi-trailers	7 595 045	608 147	732 261	772 617	601 248	723 145	767 939
-Parts and accessories	66 275 795	5 430 924	7 033 526	6 626 724	5 448 470	6 746 850	6 672 412
-Other transport equipment	13 053 675	1 179 578	1 156 990	1 379 450	1 087 873	1 175 541	1 260 171
Furniture and other manufacturing division	53 633 076	4 488 786	5 003 898	5 395 389	4 377 953	5 051 911	5 237 373
-Furniture	11 687 647	955 949	977 925	1 028 883	948 789	979 392	1 021 667
-Other manufacturing groups	41 945 429	3 532 837	4 025 973	4 366 506	3 429 164	4 072 519	4 215 706
Total	1 124 974 564	92 828 745	113 766 611	117 516 607	91 706 469	112 913 255	116 151 363

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		
		June 2007	1/ June 2008	Percentage change between June 2007 and June 2008	May 2008	June 2008	Percentage change between May and June 2008
Food and beverages	190 699 869	15 345 569	19 169 034	24,9	18 296 438	19 334 301	5,7
-Meat, fish, fruit etc.	48 534 325	3 988 940	5 210 585	30,6	4 800 596	5 200 032	8,3
-Dairy products	16 370 695	1 254 268	1 534 524	22,3	1 579 522	1 624 917	2,9
-Grain mill products	35 351 201	2 967 541	3 997 476	34,7	3 673 898	3 888 782	5,8
-Other food products	40 383 997	3 356 261	4 202 930	25,2	3 772 593	4 030 848	6,8
-Beverages	50 059 651	3 778 559	4 223 519	11,8	4 469 829	4 589 722	2,7
Textiles, clothing, leather and footwear	41 463 312	3 477 488	3 582 603	3,0	3 619 023	3 627 216	0,2
-Textiles	6 541 155	600 920	571 766	-4,9	549 565	541 088	-1,5
-Other textile products	10 775 306	937 712	909 583	-3,0	913 528	869 984	-4,8
-Knitted, crocheted articles	1 812 329	162 697	182 975	12,5	165 732	170 274	2,7
-Wearing apparel	14 691 677	1 181 242	1 262 284	6,9	1 317 098	1 375 740	4,5
-Leather and leather products	4 823 510	386 243	411 500	6,5	419 915	412 492	-1,8
-Footwear	2 819 335	208 674	244 495	17,2	253 186	257 639	1,8
Wood and wood products, paper, publishing and printing	93 694 669	7 896 359	8 817 469	11,7	8 557 831	8 635 115	0,9
-Sawmilling and planing of wood	6 214 792	523 174	537 623	2,8	553 740	524 008	-5,4
-Products of wood	14 225 883	1 266 014	1 366 607	7,9	1 282 030	1 258 441	-1,8
-Paper and paper products	40 527 758	3 541 221	4 234 382	19,6	3 971 171	4 066 493	2,4
-Publishing	14 336 533	1 109 276	1 160 994	4,7	1 186 662	1 195 004	0,7
-Printing, recorded media	18 389 703	1 456 674	1 517 863	4,2	1 564 228	1 591 169	1,7
Petroleum, chemical products, rubber and plastic products	236 893 389	18 349 084	27 884 943	52,0	26 405 817	28 402 027	7,6
-Coke, petroleum products and nuclear fuel	86 358 423	5 961 900	12 487 517	109,5	11 236 150	13 078 333	16,4
-Basic chemicals	51 893 414	4 181 929	6 186 516	47,9	6 102 631	6 099 734	0,0
-Other chemical products	54 779 474	4 467 605	4 962 262	11,1	4 879 087	5 010 379	2,7
-Rubber products	10 217 878	888 724	965 833	8,7	979 315	937 415	-4,3
-Plastic products	33 644 200	2 848 926	3 282 815	15,2	3 208 635	3 276 166	2,1
-Glass and non-metallic mineral products	32 988 751	2 853 182	3 000 922	5,2	2 887 914	2 860 168	-1,0
-Glass and glass products	5 834 297	493 494	492 505	-0,2	489 407	486 992	-0,5
-Non-metallic mineral products	27 154 454	2 359 688	2 508 417	6,3	2 398 507	2 373 176	-1,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	251 388 035	21 778 390	27 846 913	27,9	25 948 668	26 608 223	2,5
-Basic iron and steel products	98 911 116	8 823 963	13 592 820	54,0	12 179 425	12 672 396	4,0
-Non-ferrous metal products	38 935 281	3 325 610	3 610 615	8,6	3 507 367	3 549 178	1,2
-Structural metal products	18 358 248	1 630 886	1 960 874	20,2	1 883 784	1 850 324	-1,8
-Other fabricated metal products	36 524 531	3 175 789	3 825 979	20,5	3 545 108	3 657 810	3,2
-General purpose machinery	21 932 921	1 863 472	1 884 452	1,1	1 891 835	1 822 496	-3,7
-Special purpose machinery	26 838 561	2 157 293	2 201 724	2,1	2 167 562	2 257 493	4,1
-Household appliances	9 887 377	801 377	770 449	-3,9	773 586	798 526	3,2
-Electrical machinery	35 204 763	3 030 030	3 554 331	17,3	3 374 564	3 451 569	2,3
Radio, television and communication apparatus and professional equipment	14 054 230	1 251 789	1 358 410	8,5	1 280 996	1 275 675	-0,4
-Radio, television and communication apparatus	7 936 222	704 330	819 195	16,3	736 761	753 860	2,3
-Professional equipment	6 118 008	547 459	539 215	-1,5	544 235	521 815	-4,1
Motor vehicles, parts and accessories and other transport equipment	174 954 470	14 358 068	16 906 593	17,7	17 490 091	16 719 695	-4,4
-Motor vehicles	88 029 955	7 139 419	8 127 802	13,8	8 844 556	8 019 174	-9,3
-Bodies for motor vehicles, trailers and semi-trailers	7 595 045	608 147	772 617	27,0	723 145	767 939	6,2
-Parts and accessories	66 275 795	5 430 924	6 626 724	22,0	6 746 850	6 672 412	-1,1
-Other transport equipment	13 053 675	1 179 578	1 379 450	16,9	1 175 541	1 260 171	7,2
Furniture and other manufacturing division	53 633 076	4 488 786	5 395 389	20,2	5 051 911	5 237 373	3,7
-Furniture	11 687 647	955 949	1 028 883	7,6	979 392	1 021 667	4,3
-Other manufacturing groups	41 945 429	3 532 837	4 366 506	23,6	4 072 519	4 215 706	3,5
Total	1 124 974 564	92 828 745	117 516 607	26,6	112 913 255	116 151 363	2,9

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)		
		April to June 2007	April to June 2008	Annual percentage change between April to June 2007 and April to June 2008	April to June 2007	April to June 2008	Annual percentage change between April to June 2007 and April to June 2008
Food and beverages	16,4	123,7	134,9	9,1	45 217 809	55 363 681	22,4
-Meat, fish, fruit etc.	2,6	132,0	143,9	9,0	11 610 103	15 037 620	29,5
-Dairy products	1,1	102,8	107,1	4,2	3 637 549	4 531 602	24,6
-Grain mill products	1,5	129,7	136,8	5,5	8 610 917	11 480 691	33,3
-Other food products	6,8	117,0	134,8	15,2	9 926 033	11 793 360	18,8
-Beverages	4,3	132,7	136,2	2,6	11 433 207	12 520 408	9,5
Textiles, clothing, leather and footwear	5,4	100,1	105,2	5,1	10 026 243	10 817 359	7,9
-Textiles	1,2	82,8	77,8	-6,0	1 676 667	1 700 430	1,4
-Other textile products	1,2	118,2	120,5	1,9	2 651 716	2 742 642	3,4
-Knitted, crocheted articles	0,3	85,8	95,7	11,5	479 787	544 438	13,5
-Wearing apparel	2,0	108,3	117,9	8,9	3 430 229	3 834 745	11,8
-Leather and leather products	0,3	95,2	107,4	12,8	1 164 484	1 265 325	8,7
-Footwear	0,4	77,9	88,6	13,7	623 360	729 779	17,1
Wood and wood products, paper, publishing and printing	11,0	115,2	119,7	3,9	22 658 900	25 656 879	13,2
-Sawmilling and planing of wood	0,7	119,1	120,8	1,4	1 510 153	1 663 789	10,2
-Products of wood	1,0	137,1	143,1	4,4	3 516 483	3 955 492	12,5
-Paper and paper products	4,8	113,6	129,3	13,8	9 964 305	12 011 497	20,5
-Publishing	2,4	116,8	108,2	-7,4	3 308 922	3 389 177	2,4
-Printing, recorded media	2,1	105,4	100,4	-4,7	4 359 037	4 636 924	6,4
Petroleum, chemical products, rubber and plastic products	22,5	119,2	135,7	13,8	56 686 158	80 219 463	41,5
-Coke, petroleum products and nuclear fuel	9,1	87,4	102,1	16,8	19 961 333	34 552 033	73,1
-Basic chemicals	4,0	138,8	176,5	27,2	12 542 618	18 135 170	44,6
-Other chemical products	5,4	139,7	149,6	7,1	13 439 730	14 960 473	11,3
-Rubber products	1,1	82,4	92,3	12,0	2 538 695	2 995 579	18,0
-Plastic products	3,0	168,1	176,1	4,8	8 203 782	9 576 208	16,7
Glass and non-metallic mineral products	3,9	139,5	140,8	0,9	8 349 012	8 964 585	7,4
-Glass and glass products	1,1	151,5	159,7	5,4	1 428 867	1 457 890	2,0
-Non-metallic mineral products	2,9	135,1	133,8	-1,0	6 920 145	7 506 695	8,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	125,6	123,6	-1,6	63 953 229	79 848 105	24,9
-Basic iron and steel products	5,5	112,7	111,1	-1,4	26 210 529	38 213 800	45,8
-Non-ferrous metal products	4,7	119,6	112,7	-5,8	9 958 834	10 649 959	6,9
-Structural metal products	1,3	135,0	150,0	11,1	4 489 660	5 763 033	28,4
-Other fabricated metal products	4,2	140,5	148,5	5,7	9 157 568	10 926 844	19,3
-General purpose machinery	2,4	121,1	107,8	-11,0	5 449 189	5 662 358	3,9
-Special purpose machinery	3,2	134,4	129,3	-3,8	6 166 411	6 253 574	1,4
-Household appliances	1,2	133,3	124,6	-6,5	2 521 038	2 378 537	-5,7
-Electrical machinery	2,7	106,1	118,9	12,1	8 688 001	10 438 873	20,2
Radio, television and communication apparatus and professional equipment	1,3	113,7	119,0	4,7	3 399 240	3 725 844	9,6
-Radio, television and communication apparatus	0,7	96,8	107,4	11,0	1 895 827	2 143 624	13,1
-Professional equipment	0,6	130,9	130,6	-0,2	1 503 413	1 582 220	5,2
Motor vehicles, parts and accessories and other transport equipment	8,6	142,9	146,7	2,7	42 117 809	51 541 039	22,4
-Motor vehicles	4,1	137,4	135,6	-1,3	20 489 591	24 830 365	21,2
-Bodies for motor vehicles, trailers and semi-trailers	0,4	212,1	254,7	20,1	1 838 687	2 216 965	20,6
-Parts and accessories	3,1	153,7	161,9	5,3	16 448 563	20 714 411	25,9
-Other transport equipment	1,0	105,7	104,7	-0,9	3 340 968	3 779 298	13,1
Furniture and other manufacturing division	5,8	112,2	116,8	4,1	12 864 096	15 276 520	18,8
-Furniture	1,6	136,1	140,2	3,0	2 787 500	2 933 006	5,2
-Other manufacturing groups	4,2	103,1	108,0	4,8	10 076 596	12 343 514	22,5
Total	100,0	121,9	128,8	5,7	273 960 497	341 852 348	24,8

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 Jun. 2007	Jan. to Jun. 2008	Annual percentage change between 2007 and 2008	Contribution (percentage points)	Jan. to Jun. 2007	Jan. to Jun. 2008	Annual percentage change between 2007 and 2008	Difference in sales between 2007 and 2008
Food and beverages	16,4	118,6	125,1	5,5	0,9	87 902	106 099	20,7	18 197
-Meat, fish, fruit etc.	2,6	131,8	138,7	5,2	0,1	22 705	28 441	25,3	5 736
-Dairy products	1,1	109,6	110,5	0,8	0,0	7 506	9 137	21,7	1 631
-Grain mill products	1,5	128,7	131,3	2,0	0,0	16 117	21 530	33,6	5 413
-Other food products	6,8	100,5	111,8	11,2	0,8	18 329	21 679	18,3	3 350
-Beverages	4,3	138,0	139,5	1,1	0,0	23 246	25 312	8,9	2 066
Textiles, clothing, leather and footwear	5,4	96,4	100,7	4,5	0,2	19 466	20 711	6,4	1 245
-Textiles	1,2	79,5	74,7	-6,0	-0,1	3 190	3 181	-0,3	-9
-Other textile products	1,2	113,3	116,7	3,0	0,0	5 211	5 312	1,9	101
-Knitted, crocheted articles	0,3	82,8	88,2	6,5	0,0	911	1 004	10,2	93
-Wearing apparel	2,0	103,4	112,3	8,6	0,2	6 602	7 275	10,2	673
-Leather and leather products	0,3	98,9	109,9	11,1	0,0	2 351	2 604	10,8	253
-Footwear	0,4	75,5	79,9	5,8	0,0	1 200	1 335	11,3	135
Wood and wood products, paper, publishing and printing	11,0	113,8	115,6	1,6	0,2	44 337	48 751	10,0	4 414
-Sawmilling and planing of wood	0,7	120,1	112,6	-6,2	0,0	3 055	3 178	4,0	123
-Products of wood	1,0	129,0	132,1	2,4	0,0	6 550	7 375	12,6	825
-Paper and paper products	4,8	110,3	121,8	10,4	0,5	19 346	22 497	16,3	3 151
-Publishing	2,4	119,3	111,0	-7,0	-0,2	6 791	6 772	-0,3	-19
-Printing, recorded media	2,1	106,4	100,2	-5,8	-0,1	8 594	8 929	3,9	335
Petroleum, chemical products, rubber and plastic products	22,5	118,0	129,9	10,1	2,3	109 479	146 387	33,7	36 908
-Coke, petroleum products and nuclear fuel	9,1	90,9	99,9	9,9	0,9	38 847	61 060	57,2	22 213
-Basic chemicals	4,0	134,6	164,6	22,3	0,9	23 922	33 292	39,2	9 370
-Other chemical products	5,4	135,5	141,7	4,6	0,2	26 007	28 322	8,9	2 315
-Rubber products	1,1	85,7	88,3	3,0	0,0	5 097	5 643	10,7	546
-Plastic products	3,0	160,2	170,4	6,4	0,2	15 607	18 068	15,8	2 461
Glass and non-metallic mineral products	3,9	132,7	135,3	2,0	0,1	15 729	16 922	7,6	1 193
-Glass and glass products	1,1	147,4	156,1	5,9	0,1	2 717	2 838	4,5	121
-Non-metallic mineral products	2,9	127,3	127,6	0,2	0,0	13 011	14 083	8,2	1 072
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	124,7	122,4	-1,8	-0,4	122 822	147 766	20,3	24 944
-Basic iron and steel products	5,5	115,1	108,2	-6,0	-0,3	49 699	68 268	37,4	18 569
-Non-ferrous metal products	4,7	117,8	112,7	-4,3	-0,2	19 217	20 100	4,6	883
-Structural metal products	1,3	128,8	142,6	10,7	0,1	8 490	10 488	23,5	1 998
-Other fabricated metal products	4,2	136,1	139,6	2,6	0,1	17 201	19 749	14,8	2 548
-General purpose machinery	2,4	115,4	108,2	-6,2	-0,1	10 324	10 971	6,3	647
-Special purpose machinery	3,2	139,1	140,9	1,3	0,0	12 922	13 479	4,3	557
-Household appliances	1,2	132,6	123,9	-6,6	-0,1	4 969	4 712	-5,2	-257
-Electrical machinery	2,7	102,0	114,8	12,5	0,3	16 736	19 971	19,3	3 235
Radio, television and communication apparatus and professional equipment	1,3	112,8	115,1	2,0	0,0	6 750	7 148	5,9	398
-Radio, television and communication apparatus	0,7	96,4	103,2	7,1	0,0	3 781	4 084	8,0	303
-Professional equipment	0,6	129,4	127,1	-1,8	0,0	2 970	3 064	3,2	94
Motor vehicles, parts and accessories and other transport equipment	8,6	144,4	144,1	-0,2	0,0	85 276	97 289	14,1	12 013
-Motor vehicles	4,1	140,6	131,8	-6,3	-0,3	42 247	46 919	11,1	4 672
-Bodies for motor vehicles, trailers and semi-trailers	0,4	211,9	231,6	9,3	0,0	3 554	3 960	11,4	406
-Parts and accessories	3,1	154,0	161,7	5,0	0,2	32 977	38 959	18,1	5 982
-Other transport equipment	1,0	104,7	107,5	2,7	0,0	6 498	7 450	14,7	952
Furniture and other manufacturing division	5,8	111,8	113,8	1,8	0,1	25 272	28 607	13,2	3 335
-Furniture	1,6	128,4	129,0	0,5	0,0	5 206	5 335	2,5	129
-Other manufacturing groups	4,2	105,5	108,0	2,4	0,1	20 066	23 272	16,0	3 206
Total	100,0	120,0	124,2	3,5	3,5	533 770	639 651	19,8	105 881

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 June 2008 was 83,5%. Improved response rate for May 2008 was 86,8%.
- 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 |
- Changes in the next publication** 26 The results published in the next publication (July 2008) will be based on a new sample drawn in April 2008. The periodic introduction of a new sample is part of Stats SA's strategic approach in improving the basis from which surveys are conducted.

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. Output excludes excise and customs duty paid.
Value added	Value added is the value of output less intermediate consumption. It represents the value added to the cost of the materials used in the process of production.
Sales	Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.
Turnover	Turnover refers to - <ul style="list-style-type: none">• the value of sales and transfers out of all own manufactured products/articles;• amounts received for work done; and• amounts received for services rendered.

Turnover excludes -

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

Weight

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

Table 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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