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SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

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

Estimates	August 2008	% change between August 2007 and August 2008	% change between June to August 2007 and June to August 2008	% change between January to August 2007 and January to August 2008
Physical volume of manufacturing production index (2000=100)	130,6	0,4	3,2	3,0
Total value of sales of manufactured products (R million)	121 166	21,5	26,1	21,4

Seasonally adjusted estimates	August 2008	% change between July and August 2008	% change between March to May 2008 and June to August 2008
Physical volume of manufacturing production index (2000=100)	126,3	-2,1	-0,2
Total value of sales of manufactured products (R million)	117 230	-3,1	5,0

Manufacturing production shows signs of slow down

Manufacturing production for January to August 2008 increased by 3,0% compared with the same period in 2007, which was lower than the annual increase of 3,4% reported for the period January to July 2008. Furthermore, the estimated seasonally adjusted manufacturing production for the three months ended August 2008 decreased by 0,2% compared with the previous three months. Lower production levels were reported by six of the ten manufacturing divisions.

The major contributor to the seasonally adjusted decrease of 0,2% in total manufacturing production for the three months ended August 2008 compared with the previous three months was the motor vehicles, parts and accessories and other transport equipment division (contributing -0,6 of a percentage point), followed by the textiles, clothing, leather and footwear division, the wood and wood products, paper, publishing and printing division and the glass and non-metallic mineral products division (each contributing -0,2 of a percentage point). However, these decreases were partially counteracted by increases reported by the petroleum, chemical products, rubber and plastic products division (contributing +0,6 of a percentage point) and the furniture and 'other' manufacturing division (contributing +0,5 of a percentage point) (see Table B).

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

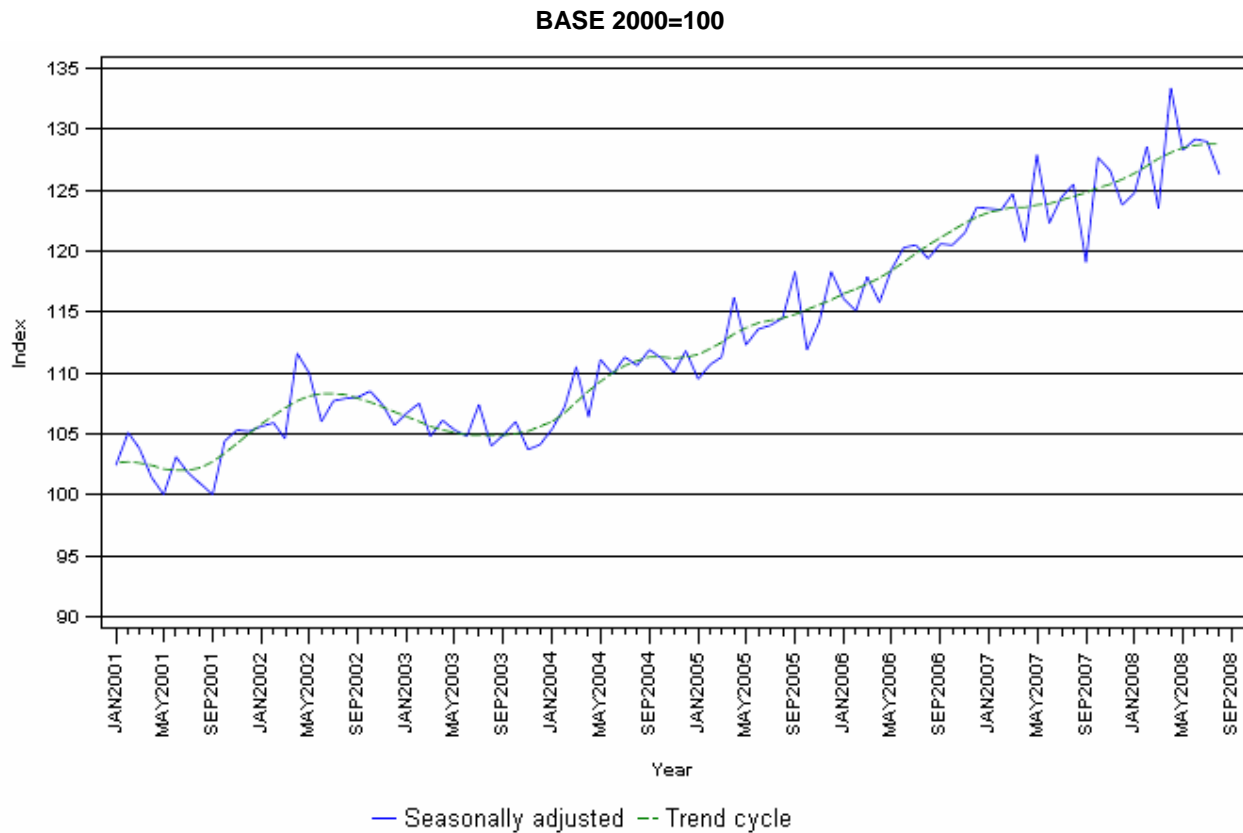
(Base 2000=100)

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 March to May 2008	Average seasonally adjusted production index for June to August 2008	Quarterly percentage change of June to August 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	128,8	129,8	0,8	0,1
-Food and food products	12,1	122,4	120,6	-1,5	-0,2
-Beverages	4,3	146,7	155,8	6,2	0,3
Textiles, clothing, leather and footwear	5,4	104,4	100,2	-4,0	-0,2
-Textiles	2,4	97,2	94,8	-2,5	-0,1
-Wearing apparel	2,3	114,7	107,7	-6,1	-0,1
-Leather and leather products	0,3	107,6	103,2	-4,1	0,0
-Footwear	0,4	87,8	88,8	1,1	0,0
Wood and wood products, paper, publishing and printing	11,0	120,3	118,5	-1,5	-0,2
-Wood and products of wood	1,7	128,2	116,7	-9,0	-0,2
-Paper and paper products	4,8	126,3	126,9	0,5	0,0
-Publishing and printing	4,6	111,0	110,1	-0,8	0,0
Petroleum, chemical products, rubber and plastic products	22,5	134,8	138,3	2,6	0,6
-Coke, petroleum products and nuclear fuel	9,1	99,9	103,6	3,7	0,3
-Basic chemicals	4,0	179,2	181,8	1,5	0,1
-Other chemical products	5,4	147,2	152,1	3,3	0,2
-Rubber products	1,1	90,7	88,9	-2,0	0,0
-Plastic products	3,0	176,9	180,8	2,2	0,1
Glass and non-metallic mineral products	3,9	141,1	132,3	-6,2	-0,2
-Glass and glass products	1,1	164,8	162,1	-1,6	0,0
-Non-metallic mineral products	2,9	132,2	121,3	-8,2	-0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	125,8	125,0	-0,6	-0,1
-Basic iron and steel products	5,5	109,6	117,0	6,8	0,4
-Basic precious, non-ferrous metal products	4,7	112,9	110,2	-2,4	-0,1
-Fabricated metal products	5,5	146,2	145,1	-0,8	0,0
-Machinery and equipment	6,7	131,5	125,3	-4,7	-0,3
Electrical machinery	2,7	119,5	120,8	1,1	0,0
Radio, television and communication apparatus and professional equipment	1,3	124,3	121,0	-2,7	0,0
-Radio, television and communication apparatus	0,7	115,0	110,7	-3,7	0,0
-Professional equipment	0,6	133,7	131,4	-1,7	0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	149,4	139,1	-6,9	-0,6
-Motor vehicles, trailers, parts and accessories	7,6	154,8	143,8	-7,1	-0,5
-Other transport equipment	1,0	108,1	103,4	-4,3	0,0
Furniture and other manufacturing division	5,8	116,2	126,8	9,1	0,5
-Furniture	1,6	140,2	145,1	3,5	0,1
-Other manufacturing groups	4,2	107,2	119,9	11,8	0,5
Total	100,0	128,4	128,2	-0,2	-0,2

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 August 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 three months ended August 2008 increased by 5,0% (R16 793 million), after seasonal adjustment, compared with the previous three months. Higher manufacturing sales were reported by six of the ten manufacturing divisions during this period (see Table C).

The seasonally adjusted increase of 5,0% in the total value of sales of manufactured products at current prices for the three months ended August 2008 compared with the previous three months was mainly due to increases reported for the petroleum, chemical products, rubber and plastic products division (+12,7% or + R9 914 million), the basic iron and steel, non-ferrous metal products, metal products and machinery division (+6,9% or +R5 253 million), the furniture and ‘other’ manufacturing division (+7,8% or +R1 205 million) and the food and beverages division (+6,4% or +R3 565 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 March to May 2008	Seasonally adjusted sales June to August 2008	Percentage change between March to May 2008 and June to August 2008	Difference in seasonally adjusted sales of manufacturing divisions between March to May 2008 and June to August 2008
	R '000	R '000		R '000
Food and beverages	55 629 662	59 194 787	6,4	3 565 125
-Food and food products	42 043 395	44 903 587	6,8	2 860 192
-Beverages	13 586 267	14 291 199	5,2	704 932
Textiles, clothing, leather and footwear	10 563 535	10 425 754	-1,3	-137 781
-Textiles	4 210 115	4 217 772	0,2	7 657
-Wearing apparel	4 376 320	4 255 159	-2,8	-121 161
-Leather and leather products	1 132 158	1 087 105	-4,0	-45 053
-Footwear	844 940	865 720	2,5	20 780
Wood and wood products, paper, publishing and printing	27 408 903	27 702 218	1,1	293 315
-Wood and products of wood	6 902 329	6 532 628	-5,4	-369 701
-Paper and paper products	11 800 548	12 204 346	3,4	403 798
-Publishing and printing	8 706 025	8 965 243	3,0	259 218
Petroleum, chemicals products, rubber and plastic products	78 263 887	88 178 048	12,7	9 914 161
-Coke, petroleum products and nuclear fuel	32 099 108	38 031 499	18,5	5 932 391
-Basic chemicals	18 255 181	20 280 538	11,1	2 025 357
-Other chemical products	14 913 200	16 081 922	7,8	1 168 722
-Rubber products	2 974 645	3 085 911	3,7	111 266
-Plastic products	10 021 753	10 698 177	6,7	676 424
Glass and non-metallic mineral products	9 085 260	8 824 196	-2,9	-261 064
-Glass and glass products	1 553 703	1 565 577	0,8	11 874
-Non-metallic mineral products	7 531 557	7 258 620	-3,6	-272 937
Basic iron and steel, non-ferrous metal products, metal products and machinery	76 050 268	81 303 642	6,9	5 253 374
-Basic iron and steel products	33 451 051	36 913 325	10,4	3 462 274
-Basic precious, non-ferrous metal products	10 480 134	11 040 152	5,3	560 018
-Fabricated metal products	17 048 014	18 043 963	5,8	995 949
-Machinery and equipment	15 071 070	15 306 203	1,6	235 133
Electrical machinery	9 917 964	10 138 492	2,2	220 528
Radio, television and communication apparatus and professional equipment	3 559 829	3 530 238	-0,8	-29 591
-Radio, television and communication apparatus	1 640 793	1 638 337	-0,1	-2 456
-Professional equipment	1 919 036	1 891 901	-1,4	-27 135
Motor vehicles, parts and accessories and other transport equipment	53 093 563	49 863 927	-6,1	-3 229 636
-Motor vehicles, trailers, parts and accessories	49 470 314	46 173 980	-6,7	-3 296 334
-Other transport equipment	3 623 247	3 689 946	1,8	66 699
Furniture and other manufacturing division	15 385 832	16 590 784	7,8	1 204 952
-Furniture	3 317 451	3 494 406	5,3	176 955
-Other manufacturing groups	12 068 383	13 096 378	8,5	1 027 995
Total	338 958 701	355 752 083	5,0	16 793 382

Sales of manufactured products increase

The value of sales of manufactured products at current prices for the three months ended August 2008 was 26,1% (R75 055 million) higher than for the three months ended August 2007 (see Table D). Increased sales were reflected in all divisions.

The major contributors to the increase of 26,1% in sales of manufactured products at current prices for the three months ended August 2008 compared with the three months ended August 2007 were the petroleum, chemical products, rubber and plastic products division (+10,6 percentage points or +R30 530 million), the basic iron and steel, non-ferrous metal products, metal products and machinery division (+6,8 percentage points or +R19 481 million), the food and beverages division (+3,9 percentage points or +R11 293 million) and the motor vehicles, parts and accessories and other transport equipment division (+1,9 percentage points or +R5 504 million) (see Table D).

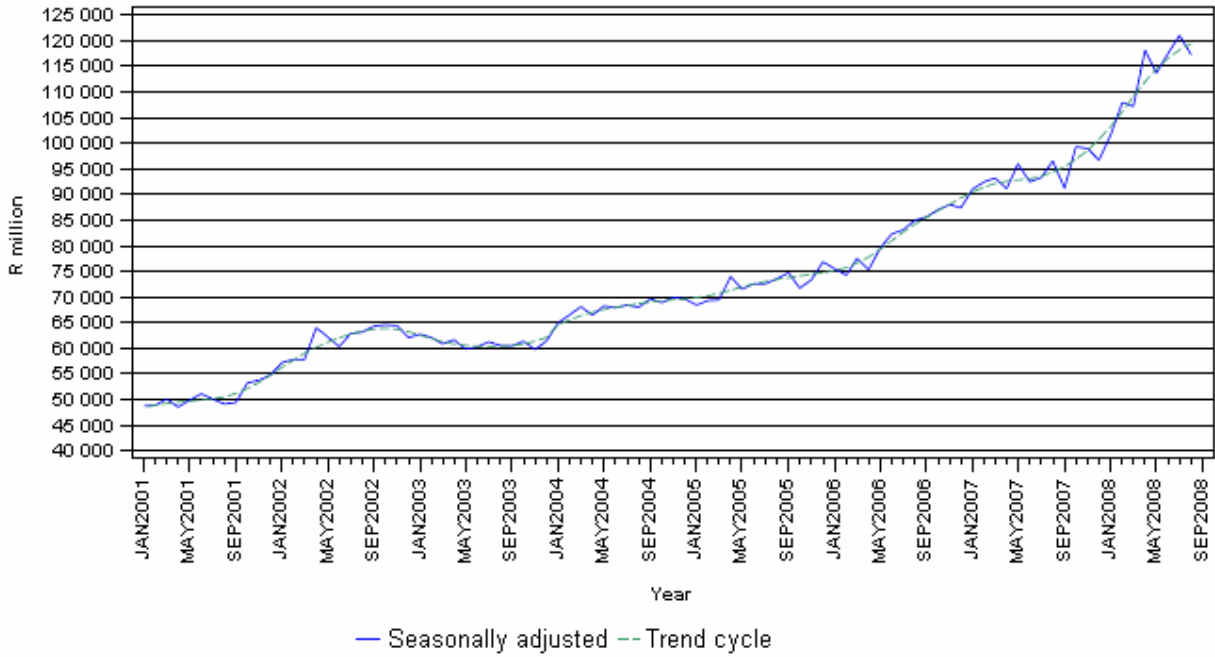
Table D – Contribution of the manufacturing divisions and major groups to the total value of sales of manufactured products at current prices

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products June to August 2007	Percentage change between June to August 2007 and June to August 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 June to August 2007 and June to August 2008
				R '000
Food and beverages	16,3	24,1	3,9	11 293 027
-Food and food products	12,3	26,9	3,3	9 541 898
-Beverages	4,0	15,4	0,6	1 751 129
Textiles, clothing, leather and footwear	3,6	1,1	0,0	109 621
-Textiles	1,5	-1,8	0,0	-80 994
-Wearing apparel	1,4	1,9	0,0	79 894
-Leather and leather products	0,4	1,8	0,0	19 198
-Footwear	0,3	11,5	0,0	91 523
Wood and wood products, paper, publishing and printing	8,9	10,3	0,9	2 641 821
-Wood and products of wood	2,4	2,1	0,1	145 665
-Paper and paper products	3,6	20,7	0,7	2 149 068
-Publishing and printing	2,9	4,1	0,1	347 088
Petroleum, chemicals products, rubber and plastic products	20,6	51,6	10,6	30 530 073
-Coke, petroleum products and nuclear fuel	7,1	91,3	6,5	18 627 780
-Basic chemicals	4,7	50,6	2,4	6 894 437
-Other chemical products	4,8	17,4	0,8	2 384 287
-Rubber products	0,9	27,2	0,2	687 147
-Plastic products	3,1	21,7	0,7	1 936 422
Glass and non-metallic mineral products	3,0	6,7	0,2	587 748
-Glass and glass products	0,5	11,1	0,1	158 573
-Non-metallic mineral products	2,5	5,9	0,1	429 175
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,3	30,4	6,8	19 480 785
-Basic iron and steel products	8,3	59,5	4,9	14 153 556
-Basic precious, non-ferrous metal products	3,4	13,4	0,5	1 320 019
-Fabricated metal products	5,4	21,6	1,2	3 374 460
-Machinery and equipment	5,2	4,2	0,2	632 750
Electrical machinery	3,0	20,5	0,6	1 795 946
Radio, television and communication apparatus and professional equipment	1,2	3,2	0,0	110 906
-Radio, television and communication apparatus	0,5	7,9	0,0	122 614
-Professional equipment	0,7	-0,6	0,0	-11 708
Motor vehicles, parts and accessories and other transport equipment	16,2	11,8	1,9	5 503 795
-Motor vehicles, trailers, parts and accessories	15,0	11,6	1,7	5 001 085
-Other transport equipment	1,2	15,0	0,2	502 710
Furniture and other manufacturing division	4,9	21,5	1,1	3 001 534
-Furniture	1,2	4,7	0,1	159 437
-Other manufacturing groups	3,7	26,9	1,0	2 842 097
Total	100,0	26,1	26,1	75 055 256

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 August 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	125,9
May	110,3	105,7	111,6	112,8	118,9	128,1	128,7
Jun	106,7	105,3	110,5	114,3	121,4	123,7	1/ 130,7
Jul	108,8	108,7	113,0	115,5	122,2	126,1	1/ 130,5
Aug	109,8	106,3	113,7	118,2	123,8	130,1	1/ 130,6
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	10,5
May	-	-4,2	5,6	1,1	5,4	7,7	0,5
Jun	-	-1,3	4,9	3,4	6,2	1,9	5,7
Jul	-	-0,1	4,0	2,2	5,8	3,2	3,5
Aug	-	-3,2	7,0	4,0	4,7	5,1	0,4
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	116,1	123,5	124,8
Feb	105,8	107,6	107,2	110,7	115,1	123,4	128,6
Mar	104,6	104,8	110,5	111,3	117,9	124,7	123,5
Apr	112,0	106,8	106,4	116,2	115,8	120,8	133,4
May	110,0	105,3	111,1	112,3	118,5	127,9	128,3
Jun	106,0	104,7	109,9	113,6	120,3	122,3	129,2
Jul	107,4	107,2	111,3	113,9	120,5	124,4	129,0
Aug	107,7	103,8	110,6	114,5	119,4	125,5	126,3
Sep	108,0	105,0	111,9	118,3	120,6	119,1	
Oct	108,6	106,1	111,2	111,9	120,5	127,7	
Nov	107,5	103,6	110,0	114,2	121,5	126,6	
Dec	105,1	103,1	111,8	118,3	123,6	123,8	

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		
			August 2007	1/ July 2008	1/ August 2008	August 2007	July 2008	August 2008
Food and beverages	16,4	124,5	132,1	126,9	131,3	127,1	129,4	127,1
-Meat, fish, fruit etc.	2,6	130,7	126,6	133,6	132,9	130,0	138,1	136,9
-Dairy products	1,1	112,3	111,4	105,3	110,9	113,5	113,8	113,1
-Grain mill products	1,5	129,4	130,4	136,3	133,5	129,0	134,1	132,5
-Other food products	6,8	111,2	136,9	115,7	124,3	117,8	109,5	106,5
-Beverages	4,3	143,1	133,8	142,9	146,2	142,9	158,0	155,7
Textiles, clothing, leather and footwear	5,4	102,6	111,8	100,5	106,3	106,6	99,4	101,4
-Textiles	1,2	80,0	90,7	76,5	78,1	86,1	74,2	74,1
-Other textile products	1,2	119,5	134,6	113,6	127,6	132,4	114,4	125,0
-Knitted, crocheted articles	0,3	82,6	90,8	89,2	89,5	87,4	90,6	85,8
-Wearing apparel	2,0	113,8	118,5	111,4	115,4	111,9	109,3	109,3
-Leather and leather products	0,3	101,6	100,5	95,2	102,8	102,1	101,8	104,3
-Footwear	0,4	84,9	102,8	95,1	102,1	88,6	89,5	88,0
Wood and wood products, paper, publishing and printing	11,0	117,5	119,9	117,3	121,3	117,1	117,3	118,5
-Sawmilling and planing of wood	0,7	116,4	117,6	114,5	111,1	113,8	110,4	107,6
-Products of wood	1,0	134,9	152,2	124,4	130,9	139,4	120,3	119,7
-Paper and paper products	4,8	113,5	113,0	126,9	129,0	111,4	125,1	127,1
-Publishing	2,4	123,9	126,5	111,5	112,5	125,1	114,2	111,4
-Printing, recorded media	2,1	111,4	113,3	100,0	112,9	111,4	104,4	110,3
Petroleum, chemical products, rubber and plastic products	22,5	124,1	126,5	141,2	139,3	123,9	139,5	136,4
-Coke, petroleum products and nuclear fuel	9,1	97,0	100,4	104,1	106,2	99,4	103,0	105,4
-Basic chemicals	4,0	142,3	150,8	191,6	177,3	143,3	190,2	168,5
-Other chemical products	5,4	139,6	142,7	154,3	152,1	141,9	153,5	151,1
-Rubber products	1,1	82,9	62,8	94,7	94,2	59,2	89,4	88,6
-Plastic products	3,0	170,6	169,1	181,5	184,6	165,5	177,7	180,6
Glass and non-metallic mineral products	3,9	136,6	138,1	135,6	138,8	131,9	130,4	133,2
-Glass and glass products	1,1	155,0	151,9	160,2	169,7	148,9	162,1	167,0
-Non-metallic mineral products	2,9	129,7	133,0	126,4	127,3	125,6	118,7	120,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	126,3	132,8	129,7	128,1	127,9	127,5	123,5
-Basic iron and steel products	5,5	111,8	108,5	114,4	118,2	109,5	116,2	119,3
-Non-ferrous metal products	4,7	118,9	126,2	112,7	114,2	122,1	110,7	110,5
-Structural metal products	1,3	137,7	144,7	158,5	148,7	140,0	150,1	143,7
-Other fabricated metal products	4,2	140,7	157,4	159,7	143,1	149,8	149,9	136,4
-General purpose machinery	2,4	119,8	127,7	114,6	107,1	122,1	114,0	102,0
-Special purpose machinery	3,2	143,0	151,7	144,1	152,0	140,1	143,6	140,3
-Household appliances	1,2	130,0	134,3	121,8	130,5	126,7	125,6	123,3
Electrical machinery	2,7	106,6	113,5	128,9	128,2	106,9	125,9	121,1
Radio, television and communication apparatus and professional equipment	1,3	116,9	124,3	126,7	118,9	125,1	123,3	119,1
-Radio, television and communication apparatus	0,7	100,3	99,6	118,4	109,2	100,4	112,0	109,1
-Professional equipment	0,6	133,7	149,4	135,2	128,8	150,1	134,8	129,2
Motor vehicles, parts and accessories and other transport equipment	8,6	144,7	163,1	146,4	143,1	150,0	140,4	131,9
-Motor vehicles	4,1	140,7	161,2	145,4	141,9	141,9	136,9	124,8
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,2	248,6	267,8	247,8	233,4	252,8	231,6
-Parts and accessories	3,1	154,5	173,0	148,1	145,2	163,9	144,6	138,4
-Other transport equipment	1,0	103,1	107,7	99,8	102,4	109,2	99,7	103,8
Furniture and other manufacturing division	5,8	120,1	118,3	130,0	125,0	119,0	127,7	125,3
-Furniture	1,6	142,6	144,9	151,9	149,2	140,2	146,2	144,7
-Other manufacturing groups	4,2	111,6	108,3	121,7	115,8	111,1	120,7	118,1
Total	100,0	124,2	130,1	130,5	130,6	125,5	129,0	126,3

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		
			August 2007	1/ August 2008	Percentage difference between August 2007 and August 2008	July 2008	August 2008	Percentage difference between July and August 2008
Food and beverages	16,4	124,5	132,1	131,3	-0,6	129,4	127,1	-1,8
-Meat, fish, fruit etc.	2,6	130,7	126,6	132,9	5,0	138,1	136,9	-0,9
-Dairy products	1,1	112,3	111,4	110,9	-0,4	113,8	113,1	-0,6
-Grain mill products	1,5	129,4	130,4	133,5	2,4	134,1	132,5	-1,2
-Other food products	6,8	111,2	136,9	124,3	-9,2	109,5	106,5	-2,7
-Beverages	4,3	143,1	133,8	146,2	9,3	158,0	155,7	-1,5
Textiles, clothing, leather and footwear	5,4	102,6	111,8	106,3	-4,9	99,4	101,4	2,0
-Textiles	1,2	80,0	90,7	78,1	-13,9	74,2	74,1	-0,1
-Other textile products	1,2	119,5	134,6	127,6	-5,2	114,4	125,0	9,3
-Knitted, crocheted articles	0,3	82,6	90,8	89,5	-1,4	90,6	85,8	-5,3
-Wearing apparel	2,0	113,8	118,5	115,4	-2,6	109,3	109,3	0,0
-Leather and leather products	0,3	101,6	100,5	102,8	2,3	101,8	104,3	2,5
-Footwear	0,4	84,9	102,8	102,1	-0,7	89,5	88,0	-1,7
Wood and wood products, paper, publishing and printing	11,0	117,5	119,9	121,3	1,2	117,3	118,5	1,0
-Sawmilling and planing of wood	0,7	116,4	117,6	111,1	-5,5	110,4	107,6	-2,5
-Products of wood	1,0	134,9	152,2	130,9	-14,0	120,3	119,7	-0,5
-Paper and paper products	4,8	113,5	113,0	129,0	14,2	125,1	127,1	1,6
-Publishing	2,4	123,9	126,5	112,5	-11,1	114,2	111,4	-2,5
-Printing, recorded media	2,1	111,4	113,3	112,9	-0,4	104,4	110,3	5,7
Petroleum, chemical products, rubber and plastic products	22,5	124,1	126,5	139,3	10,1	139,5	136,4	-2,2
-Coke, petroleum products and nuclear fuel	9,1	97,0	100,4	106,2	5,8	103,0	105,4	2,3
-Basic chemicals	4,0	142,3	150,8	177,3	17,6	190,2	168,5	-11,4
-Other chemical products	5,4	139,6	142,7	152,1	6,6	153,5	151,1	-1,6
-Rubber products	1,1	82,9	62,8	94,2	50,0	89,4	88,6	-0,9
-Plastic products	3,0	170,6	169,1	184,6	9,2	177,7	180,6	1,6
Glass and non-metallic mineral products	3,9	136,6	138,1	138,8	0,5	130,4	133,2	2,1
-Glass and glass products	1,1	155,0	151,9	169,7	11,7	162,1	167,0	3,0
-Non-metallic mineral products	2,9	129,7	133,0	127,3	-4,3	118,7	120,6	1,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	126,3	132,8	128,1	-3,5	127,5	123,5	-3,1
-Basic iron and steel products	5,5	111,8	108,5	118,2	8,9	116,2	119,3	2,7
-Non-ferrous metal products	4,7	118,9	126,2	114,2	-9,5	110,7	110,5	-0,2
-Structural metal products	1,3	137,7	144,7	148,7	2,8	150,1	143,7	-4,3
-Other fabricated metal products	4,2	140,7	157,4	143,1	-9,1	149,9	136,4	-9,0
-General purpose machinery	2,4	119,8	127,7	107,1	-16,1	114,0	102,0	-10,5
-Special purpose machinery	3,2	143,0	151,7	152,0	0,2	143,6	140,3	-2,3
-Household appliances	1,2	130,0	134,3	130,5	-2,8	125,6	123,3	-1,8
Electrical machinery	2,7	106,6	113,5	128,2	13,0	125,9	121,1	-3,8
Radio, television and communication apparatus and professional equipment	1,3	116,9	124,3	118,9	-4,3	123,3	119,1	-3,4
-Radio, television and communication apparatus	0,7	100,3	99,6	109,2	9,6	112,0	109,1	-2,6
-Professional equipment	0,6	133,7	149,4	128,8	-13,8	134,8	129,2	-4,2
Motor vehicles, parts and accessories and other transport equipment	8,6	144,7	163,1	143,1	-12,3	140,4	131,9	-6,1
-Motor vehicles	4,1	140,7	161,2	141,9	-12,0	136,9	124,8	-8,8
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,2	248,6	247,8	-0,3	252,8	231,6	-8,4
-Parts and accessories	3,1	154,5	173,0	145,2	-16,1	144,6	138,4	-4,3
-Other transport equipment	1,0	103,1	107,7	102,4	-4,9	99,7	103,8	4,1
Furniture and other manufacturing division	5,8	120,1	118,3	125,0	5,7	127,7	125,3	-1,9
-Furniture	1,6	142,6	144,9	149,2	3,0	146,2	144,7	-1,0
-Other manufacturing groups	4,2	111,6	108,3	115,8	6,9	120,7	118,1	-2,2
Total	100,0	124,2	130,1	130,6	0,4	129,0	126,3	-2,1

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	49 460 059	54 362 254	55 071 330	57 996 123	64 189 094	77 735 488	87 264 599
Feb	57 864 931	61 989 347	64 229 244	66 760 165	71 388 922	88 795 001	103 240 425
Mar	61 605 130	64 510 085	69 915 271	71 125 524	79 202 703	95 108 539	108 981 724
Apr	62 018 095	60 355 639	62 938 714	69 852 309	70 995 969	85 951 025	111 471 587
May	64 280 531	62 025 293	68 680 038	71 871 060	79 802 545	96 506 978	114 469 290
Jun	62 755 902	62 591 404	68 432 062	73 140 542	83 059 482	93 559 142	1/ 118 895 452
Jul	64 595 172	63 121 052	68 962 693	73 306 407	84 166 082	94 457 875	1/ 122 763 983
Aug	66 054 568	63 133 885	69 723 627	75 677 432	87 784 628	99 753 483	1/ 121 166 321
Sep	68 466 542	64 724 012	72 859 146	78 504 917	89 792 711	95 566 455	
Oct	72 908 893	69 446 223	75 511 320	78 553 072	94 992 441	108 206 596	
Nov	73 373 081	68 158 470	77 784 326	82 083 555	98 270 280	110 644 228	
Dec	58 669 430	57 772 435	63 593 769	69 817 622	78 806 146	87 539 378	
Year	762 052 334	752 190 099	817 701 540	868 688 728	982 451 003	1 133 824 188	

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	1,3	5,3	10,7	21,1	12,3
Feb	-	7,1	3,6	3,9	6,9	24,4	16,3
Mar	-	4,7	8,4	1,7	11,4	20,1	14,6
Apr	-	-2,7	4,3	11,0	1,6	21,1	29,7
May	-	-3,5	10,7	4,6	11,0	20,9	18,6
Jun	-	-0,3	9,3	6,9	13,6	12,6	27,1
Jul	-	-2,3	9,3	6,3	14,8	12,2	30,0
Aug	-	-4,4	10,4	8,5	16,0	13,6	21,5
Sep	-	-5,5	12,6	7,7	14,4	6,4	
Oct	-	-4,7	8,7	4,0	20,9	13,9	
Nov	-	-7,1	14,1	5,5	19,7	12,6	
Dec	-	-1,5	10,1	9,8	12,9	11,1	
Year	-	-1,3	8,7	6,2	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	58 695 965	64 397 387	64 983 368	68 431 850	75 523 215	91 071 855	101 610 988
Feb	59 538 556	63 982 255	66 562 098	69 339 378	74 258 166	92 469 360	107 941 648
Mar	59 362 471	62 544 385	68 112 843	69 420 632	77 531 986	93 192 506	107 158 078
Apr	65 846 431	63 842 760	66 444 670	73 972 727	75 315 709	91 143 118	118 117 508
May	63 819 305	61 603 529	68 267 245	71 543 715	79 470 136	95 972 102	113 683 115
Jun	61 874 442	61 978 351	67 917 063	72 587 457	82 288 867	92 460 843	117 515 648
Jul	64 514 354	62 887 428	68 415 854	72 547 323	83 091 484	93 267 168	121 006 710
Aug	64 874 189	61 882 101	68 009 371	73 538 607	84 954 360	96 521 158	117 229 725
Sep	65 916 478	62 021 838	69 629 644	74 732 507	85 617 202	91 222 729	
Oct	66 435 393	63 302 549	68 907 068	71 742 588	86 996 657	99 283 063	
Nov	66 106 120	61 277 966	69 932 796	73 385 593	88 009 785	98 992 215	
Dec	63 790 655	63 133 257	69 619 024	76 836 877	87 394 386	96 672 036	

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		
		August 2007	1/ July 2008	1/ August 2008	August 2007	July 2008	August 2008
Food and beverages	191 280 333	16 154 553	19 174 343	19 681 622	16 300 123	19 837 913	19 827 885
-Meat, fish, fruit etc.	47 533 498	4 001 945	5 103 201	4 982 795	4 035 436	5 174 341	5 024 133
-Dairy products	16 243 788	1 431 230	1 533 425	1 513 963	1 452 237	1 643 344	1 536 180
-Grain mill products	35 331 934	3 027 067	4 242 468	4 067 442	3 018 038	4 118 848	4 066 384
-Other food products	42 111 462	3 762 165	3 949 754	4 565 280	3 592 118	4 094 490	4 347 853
-Beverages	50 059 651	3 932 146	4 345 495	4 552 142	4 202 294	4 806 890	4 853 335
Textiles, clothing, leather and footwear	40 680 698	3 600 466	3 443 374	3 620 952	3 443 837	3 463 141	3 458 619
-Textiles	6 541 155	602 658	573 968	573 919	579 913	558 516	552 561
-Other textile products	10 292 874	940 499	845 246	927 949	896 272	848 648	879 212
-Knitted, crocheted articles	1 828 314	159 230	164 876	171 753	156 632	172 305	169 097
-Wearing apparel	14 627 431	1 223 793	1 219 924	1 258 499	1 167 254	1 233 146	1 201 534
-Leather and leather products	4 228 274	369 550	347 261	366 992	366 854	363 062	364 242
-Footwear	3 162 650	304 736	292 099	321 840	276 912	287 465	291 974
Wood and wood products, paper, publishing and printing	100 400 647	8 668 894	9 166 977	9 687 288	8 401 993	9 136 050	9 374 474
-Sawmilling and planing of wood	7 925 755	690 902	717 805	720 797	658 405	701 902	684 528
-Products of wood	17 495 078	1 667 135	1 530 913	1 587 329	1 525 820	1 487 912	1 442 171
-Paper and paper products	40 527 758	3 360 926	4 059 384	4 271 261	3 308 481	3 987 926	4 189 686
-Publishing	15 083 782	1 287 212	1 241 792	1 286 851	1 270 764	1 267 932	1 272 479
-Printing, recorded media	19 368 274	1 662 719	1 617 083	1 821 050	1 638 523	1 690 378	1 785 609
Petroleum, chemical products, rubber and plastic products	239 298 878	21 110 958	31 004 144	29 939 916	20 414 854	30 118 333	28 854 233
-Coke, petroleum products and nuclear fuel	86 358 423	7 601 250	13 427 016	13 067 619	7 068 758	12 696 388	12 236 045
-Basic chemicals	52 421 118	5 037 427	7 368 961	6 579 342	5 024 629	7 306 387	6 537 700
-Other chemical products	54 957 891	4 726 555	5 487 357	5 475 694	4 697 592	5 473 803	5 425 802
-Rubber products	10 217 878	754 613	1 075 842	1 114 737	719 689	1 038 199	1 059 716
-Plastic products	35 343 568	2 991 113	3 644 968	3 702 524	2 904 186	3 603 555	3 594 970
Glass and non-metallic mineral products	33 300 539	2 946 787	3 173 986	3 163 853	2 743 062	3 000 029	2 947 246
-Glass and glass products	5 834 297	464 453	541 782	554 418	433 654	551 702	519 392
-Non-metallic mineral products	27 466 242	2 482 334	2 632 204	2 609 435	2 309 409	2 448 327	2 427 855
Basic iron and steel, non-ferrous metal products, metal products and machinery	249 464 213	21 823 463	28 535 428	27 526 360	21 081 412	28 187 366	26 680 784
-Basic iron and steel products	93 724 513	7 878 473	12 855 900	12 153 169	7 744 900	12 868 841	11 982 628
-Non-ferrous metal products	38 935 281	3 334 783	3 793 592	3 800 167	3 274 622	3 725 209	3 737 317
-Structural metal products	19 849 436	1 802 209	2 258 530	2 198 951	1 717 954	2 158 768	2 085 855
-Other fabricated metal products	38 442 763	3 632 040	4 353 301	4 044 596	3 418 108	4 149 380	3 808 761
-General purpose machinery	21 932 921	1 960 237	2 059 007	2 058 231	1 877 095	2 027 174	1 966 774
-Special purpose machinery	26 930 080	2 406 123	2 434 786	2 480 063	2 274 239	2 460 671	2 338 574
-Household appliances	9 649 219	809 598	780 312	791 183	774 494	797 323	760 876
-Electrical machinery	33 733 841	2 954 388	3 643 198	3 516 412	2 794 188	3 508 637	3 328 796
Radio, television and communication apparatus and professional equipment	13 324 902	1 170 186	1 171 804	1 181 708	1 162 304	1 192 291	1 166 119
-Radio, television and communication apparatus	5 956 698	510 551	537 532	541 323	512 718	548 182	539 002
-Professional equipment	7 368 204	659 635	634 272	640 385	649 586	644 109	627 117
Motor vehicles, parts and accessories and other transport equipment	176 807 942	16 564 042	17 514 324	17 330 103	15 477 980	16 773 703	16 163 640
-Motor vehicles	87 304 412	8 233 487	8 948 115	8 839 622	7 415 768	8 165 736	7 936 350
-Bodies for motor vehicles, trailers and semi-trailers	9 676 437	927 802	980 798	973 499	860 132	930 670	894 222
-Parts and accessories	67 353 836	6 303 655	6 373 813	6 259 883	6 104 238	6 485 257	6 077 883
-Other transport equipment	12 473 257	1 099 098	1 211 598	1 257 099	1 097 841	1 192 040	1 255 185
Furniture and other manufacturing division	55 532 195	4 759 746	5 936 405	5 518 107	4 701 404	5 789 248	5 427 930
-Furniture	13 389 662	1 096 271	1 213 562	1 204 364	1 075 515	1 162 145	1 185 200
-Other manufacturing groups	42 142 533	3 663 475	4 722 843	4 313 743	3 625 888	4 627 103	4 242 730
Total	1 133 824 188	99 753 483	122 763 983	121 166 321	96 521 158	121 006 710	117 229 725

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		
		August 2007	August 2008	Percentage change between August 2007 and August 2008	July 2008	August 2008	Percentage change between July and August 2008
Food and beverages	191 280 333	16 154 553	19 681 622	21,8	19 837 913	19 827 885	-0,1
-Meat, fish, fruit etc.	47 533 498	4 001 945	4 982 795	24,5	5 174 341	5 024 133	-2,9
-Dairy products	16 243 788	1 431 230	1 513 963	5,8	1 643 344	1 536 180	-6,5
-Grain mill products	35 331 934	3 027 067	4 067 442	34,4	4 118 848	4 066 384	-1,3
-Other food products	42 111 462	3 762 165	4 565 280	21,3	4 094 490	4 347 853	6,2
-Beverages	50 059 651	3 932 146	4 552 142	15,8	4 806 890	4 853 335	1,0
Textiles, clothing, leather and footwear	40 680 698	3 600 466	3 620 952	0,6	3 463 141	3 458 619	-0,1
-Textiles	6 541 155	602 658	573 919	-4,8	558 516	552 561	-1,1
-Other textile products	10 292 874	940 499	927 949	-1,3	848 648	879 212	3,6
-Knitted, crocheted articles	1 828 314	159 230	171 753	7,9	172 305	169 097	-1,9
-Wearing apparel	14 627 431	1 223 793	1 258 499	2,8	1 233 146	1 201 534	-2,6
-Leather and leather products	4 228 274	369 550	366 992	-0,7	363 062	364 242	0,3
-Footwear	3 162 650	304 736	321 840	5,6	287 465	291 974	1,6
Wood and wood products, paper, publishing and printing	100 400 647	8 668 894	9 687 288	11,7	9 136 050	9 374 474	2,6
-Sawmilling and planing of wood	7 925 755	690 902	720 797	4,3	701 902	684 528	-2,5
-Products of wood	17 495 078	1 667 135	1 587 329	-4,8	1 487 912	1 442 171	-3,1
-Paper and paper products	40 527 758	3 360 926	4 271 261	27,1	3 987 926	4 189 686	5,1
-Publishing	15 083 782	1 287 212	1 286 851	0,0	1 267 932	1 272 479	0,4
-Printing, recorded media	19 368 274	1 662 719	1 821 050	9,5	1 690 378	1 785 609	5,6
Petroleum, chemical products, rubber and plastic products	239 298 878	21 110 958	29 939 916	41,8	30 118 333	28 854 233	-4,2
-Coke, petroleum products and nuclear fuel	86 358 423	7 601 250	13 067 619	71,9	12 696 388	12 236 045	-3,6
-Basic chemicals	52 421 118	5 037 427	6 579 342	30,6	7 306 387	6 537 700	-10,5
-Other chemical products	54 957 891	4 726 555	5 475 694	15,8	5 473 803	5 425 802	-0,9
-Rubber products	10 217 878	754 613	1 114 737	47,7	1 038 199	1 059 716	2,1
-Plastic products	35 343 568	2 991 113	3 702 524	23,8	3 603 555	3 594 970	-0,2
Glass and non-metallic mineral products	33 300 539	2 946 787	3 163 853	7,4	3 000 029	2 947 246	-1,8
-Glass and glass products	5 834 297	464 453	554 418	19,4	551 702	519 392	-5,9
-Non-metallic mineral products	27 466 242	2 482 334	2 609 435	5,1	2 448 327	2 427 855	-0,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	249 464 213	21 823 463	27 526 360	26,1	28 187 366	26 680 784	-5,3
-Basic iron and steel products	93 724 513	7 878 473	12 153 169	54,3	12 868 841	11 982 628	-6,9
-Non-ferrous metal products	38 935 281	3 334 783	3 800 167	14,0	3 725 209	3 737 317	0,3
-Structural metal products	19 849 436	1 802 209	2 198 951	22,0	2 158 768	2 085 855	-3,4
-Other fabricated metal products	38 442 763	3 632 040	4 044 596	11,4	4 149 380	3 808 761	-8,2
-General purpose machinery	21 932 921	1 960 237	2 058 231	5,0	2 027 174	1 966 774	-3,0
-Special purpose machinery	26 930 080	2 406 123	2 480 063	3,1	2 460 671	2 338 574	-5,0
-Household appliances	9 649 219	809 598	791 183	-2,3	797 323	760 876	-4,6
-Electrical machinery	33 733 841	2 954 388	3 516 412	19,0	3 508 637	3 328 796	-5,1
Radio, television and communication apparatus and professional equipment	13 324 902	1 170 186	1 181 708	1,0	1 192 291	1 166 119	-2,2
-Radio, television and communication apparatus	5 956 698	510 551	541 323	6,0	548 182	539 002	-1,7
-Professional equipment	7 368 204	659 635	640 385	-2,9	644 109	627 117	-2,6
Motor vehicles, parts and accessories and other transport equipment	176 807 942	16 564 042	17 330 103	4,6	16 773 703	16 163 640	-3,6
-Motor vehicles	87 304 412	8 233 487	8 839 622	7,4	8 165 736	7 936 350	-2,8
-Bodies for motor vehicles, trailers and semi-trailers	9 676 437	927 802	973 499	4,9	930 670	894 222	-3,9
-Parts and accessories	67 353 836	6 303 655	6 259 883	-0,7	6 485 257	6 077 883	-6,3
-Other transport equipment	12 473 257	1 099 098	1 257 099	14,4	1 192 040	1 255 185	5,3
Furniture and other manufacturing division	55 532 195	4 759 746	5 518 107	15,9	5 789 248	5 427 930	-6,2
-Furniture	13 389 662	1 096 271	1 204 364	9,9	1 162 145	1 185 200	2,0
-Other manufacturing groups	42 142 533	3 663 475	4 313 743	17,8	4 627 103	4 242 730	-8,3
Total	1 133 824 188	99 753 483	121 166 321	21,5	121 006 710	117 229 725	-3,1

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)		
		June to August 2007	June to August 2008	Annual percentage change between June to August 2007 and June to August 2008	June to August 2007	June to August 2008	Annual percentage change between June to August 2007 and June to August 2008
Food and beverages	16,4	126,1	130,5	3,5	46 892 740	58 185 767	24,1
-Meat, fish, fruit etc.	2,6	127,6	137,3	7,6	11 804 838	15 259 338	29,3
-Dairy products	1,1	106,6	107,9	1,2	3 934 079	4 562 934	16,0
-Grain mill products	1,5	130,1	137,2	5,5	9 011 616	12 359 951	37,2
-Other food products	6,8	126,3	123,1	-2,5	10 754 045	12 864 253	19,6
-Beverages	4,3	128,7	141,8	10,2	11 388 162	13 139 291	15,4
Textiles, clothing, leather and footwear	5,4	107,7	102,1	-5,2	10 414 820	10 524 441	1,1
-Textiles	1,2	88,1	76,1	-13,6	1 780 343	1 714 699	-3,7
-Other textile products	1,2	123,9	120,8	-2,5	2 663 038	2 647 688	-0,6
-Knitted, crocheted articles	0,3	86,3	90,7	5,1	464 302	515 358	11,0
-Wearing apparel	2,0	118,4	110,6	-6,6	3 659 228	3 688 066	0,8
-Leather and leather products	0,3	103,1	100,8	-2,2	1 054 353	1 073 551	1,8
-Footwear	0,4	89,4	95,2	6,5	793 556	885 079	11,5
Wood and wood products, paper, publishing and printing	11,0	118,6	119,9	1,1	25 621 730	28 263 551	10,3
-Sawmilling and planing of wood	0,7	122,3	112,3	-8,2	2 027 862	2 145 868	5,8
-Products of wood	1,0	147,2	132,0	-10,3	4 765 033	4 792 692	0,6
-Paper and paper products	4,8	115,4	129,6	12,3	10 371 049	12 520 117	20,7
-Publishing	2,4	120,5	111,9	-7,1	3 696 425	3 781 805	2,3
-Printing, recorded media	2,1	109,0	104,0	-4,6	4 761 361	5 023 069	5,5
Petroleum, chemical products, rubber and plastic products	22,5	124,0	139,9	12,8	59 163 318	89 693 391	51,6
-Coke, petroleum products and nuclear fuel	9,1	95,3	104,6	9,8	20 407 783	39 035 563	91,3
-Basic chemicals	4,0	144,5	184,5	27,7	13 624 133	20 518 570	50,6
-Other chemical products	5,4	140,5	153,0	8,9	13 702 149	16 086 436	17,4
-Rubber products	1,1	78,6	93,0	18,3	2 521 849	3 208 996	27,2
-Plastic products	3,0	171,9	183,4	6,7	8 907 404	10 843 826	21,7
Glass and non-metallic mineral products	3,9	140,9	137,9	-2,1	8 753 553	9 341 301	6,7
-Glass and glass products	1,1	153,1	164,3	7,3	1 432 568	1 591 141	11,1
-Non-metallic mineral products	2,9	136,3	128,1	-6,0	7 320 985	7 750 160	5,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	128,7	127,6	-0,9	64 171 396	83 652 181	30,4
-Basic iron and steel products	5,5	106,5	115,3	8,3	23 791 768	37 945 324	59,5
-Non-ferrous metal products	4,7	120,2	111,5	-7,2	9 883 054	11 203 073	13,4
-Structural metal products	1,3	143,5	154,6	7,7	5 238 750	6 609 862	26,2
-Other fabricated metal products	4,2	152,4	152,9	0,3	10 365 372	12 368 720	19,3
-General purpose machinery	2,4	124,3	109,3	-12,1	5 723 050	6 059 150	5,9
-Special purpose machinery	3,2	147,1	143,6	-2,4	6 817 368	7 170 881	5,2
-Household appliances	1,2	127,4	122,5	-3,8	2 352 034	2 295 171	-2,4
-Electrical machinery	2,7	111,2	124,9	12,3	8 746 033	10 541 979	20,5
Radio, television and communication apparatus and professional equipment	1,3	122,0	124,3	1,9	3 472 068	3 582 974	3,2
-Radio, television and communication apparatus	0,7	102,4	115,2	12,5	1 543 972	1 666 586	7,9
-Professional equipment	0,6	141,9	133,5	-5,9	1 928 096	1 916 388	-0,6
Motor vehicles, parts and accessories and other transport equipment	8,6	153,1	145,5	-5,0	46 563 925	52 067 720	11,8
-Motor vehicles	4,1	148,9	142,0	-4,6	23 209 331	25 837 678	11,3
-Bodies for motor vehicles, trailers and semi-trailers	0,4	226,7	260,9	15,1	2 583 146	2 930 960	13,5
-Parts and accessories	3,1	164,0	148,9	-9,2	17 426 884	19 451 808	11,6
-Other transport equipment	1,0	109,2	105,8	-3,1	3 344 564	3 847 274	15,0
Furniture and other manufacturing division	5,8	122,1	130,1	6,6	13 970 917	16 972 451	21,5
-Furniture	1,6	145,5	148,3	1,9	3 405 528	3 564 965	4,7
-Other manufacturing groups	4,2	113,3	123,1	8,6	10 565 389	13 407 486	26,9
Total	100,0	126,6	130,6	3,2	287 770 500	362 825 756	26,1

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 Aug. 2007	Jan. to Aug. 2008	Annual percentage change between 2007 and 2008	Contribution (percentage points)	Jan. to Aug. 2007	Jan. to Aug. 2008	Annual percentage change between 2007 and 2008	Difference in sales between 2007 and 2008
Food and beverages	16,4	120,8	124,3	2,9	0,5	119 648	145 397	21,5	25 749
-Meat, fish, fruit etc.	2,6	130,7	138,1	5,7	0,1	30 135	38 072	26,3	7 937
-Dairy products	1,1	109,0	109,7	0,6	0,0	10 137	12 107	19,4	1 970
-Grain mill products	1,5	129,2	132,1	2,2	0,0	22 153	29 855	34,8	7 702
-Other food products	6,8	107,5	109,1	1,5	0,1	26 367	31 139	18,1	4 772
-Beverages	4,3	136,0	140,9	3,6	0,2	30 856	34 223	10,9	3 367
Textiles, clothing, leather and footwear	5,4	99,6	101,0	1,4	0,1	26 073	27 318	4,8	1 245
-Textiles	1,2	81,4	75,4	-7,4	-0,1	4 370	4 326	-1,0	-44
-Other textile products	1,2	116,1	118,4	2,0	0,0	6 745	6 850	1,6	105
-Knitted, crocheted articles	0,3	83,6	88,1	5,4	0,0	1 220	1 343	10,1	123
-Wearing apparel	2,0	107,7	111,3	3,3	0,1	9 056	9 692	7,0	636
-Leather and leather products	0,3	101,0	107,5	6,4	0,0	2 777	2 995	7,9	218
-Footwear	0,4	80,2	84,4	5,2	0,0	1 906	2 112	10,8	206
Wood and wood products, paper, publishing and printing	11,0	115,0	116,2	1,0	0,1	64 649	70 985	9,8	6 336
-Sawmilling and planing of wood	0,7	120,2	111,3	-7,4	-0,1	5 257	5 483	4,3	226
-Products of wood	1,0	133,4	128,5	-3,7	0,0	11 263	12 191	8,2	928
-Paper and paper products	4,8	111,0	123,2	11,0	0,5	26 176	30 778	17,6	4 602
-Publishing	2,4	120,5	111,5	-7,5	-0,2	9 675	9 675	0,0	0
-Printing, recorded media	2,1	107,3	101,9	-5,0	-0,1	12 279	12 858	4,7	579
Petroleum, chemical products, rubber and plastic products	22,5	120,4	133,0	10,5	2,4	151 209	209 433	38,5	58 224
-Coke, petroleum products and nuclear fuel	9,1	94,1	101,2	7,5	0,7	53 293	87 595	64,4	34 302
-Basic chemicals	4,0	137,3	170,9	24,5	1,0	33 565	47 945	42,8	14 380
-Other chemical products	5,4	136,7	145,1	6,1	0,3	35 311	39 546	12,0	4 235
-Rubber products	1,1	83,1	90,4	8,8	0,1	6 730	7 887	17,2	1 157
-Plastic products	3,0	163,2	174,6	7,0	0,2	22 310	26 459	18,6	4 149
Glass and non-metallic mineral products	3,9	134,8	135,7	0,7	0,0	21 751	23 426	7,7	1 675
-Glass and glass products	1,1	148,5	158,3	6,6	0,1	3 656	3 934	7,6	278
-Non-metallic mineral products	2,9	129,7	127,3	-1,9	-0,1	18 095	19 493	7,7	1 398
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	125,9	124,0	-1,5	-0,3	164 302	202 183	23,1	37 881
-Basic iron and steel products	5,5	113,2	110,2	-2,7	-0,2	62 524	89 690	43,4	27 166
-Non-ferrous metal products	4,7	118,4	112,9	-4,6	-0,2	25 774	27 727	7,6	1 953
-Structural metal products	1,3	132,1	146,8	11,1	0,1	12 654	15 884	25,5	3 230
-Other fabricated metal products	4,2	140,6	141,8	0,9	0,0	25 127	29 128	15,9	4 001
-General purpose machinery	2,4	117,9	108,9	-7,6	-0,2	14 184	15 132	6,7	948
-Special purpose machinery	3,2	141,8	142,9	0,8	0,0	17 619	18 480	4,9	861
-Household appliances	1,2	131,0	124,1	-5,3	-0,1	6 419	6 141	-4,3	-278
-Electrical machinery	2,7	104,4	118,4	13,4	0,4	21 864	26 275	20,2	4 411
Radio, television and communication apparatus and professional equipment	1,3	115,0	117,7	2,3	0,0	8 698	9 092	4,5	394
-Radio, television and communication apparatus	0,7	97,8	106,2	8,6	0,1	3 853	4 134	7,3	281
-Professional equipment	0,6	132,4	129,4	-2,3	0,0	4 846	4 959	2,3	113
Motor vehicles, parts and accessories and other transport equipment	8,6	148,0	145,0	-2,0	-0,2	118 211	133 314	12,8	15 103
-Motor vehicles	4,1	144,0	136,0	-5,6	-0,2	58 027	64 320	10,8	6 293
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,4	237,6	8,8	0,0	6 336	6 987	10,3	651
-Parts and accessories	3,1	158,3	158,1	-0,1	0,0	45 421	52 338	15,2	6 917
-Other transport equipment	1,0	105,6	106,6	0,9	0,0	8 427	9 669	14,7	1 242
Furniture and other manufacturing division	5,8	113,3	117,3	3,5	0,2	35 462	40 830	15,1	5 368
-Furniture	1,6	133,4	134,0	0,4	0,0	8 275	8 496	2,7	221
-Other manufacturing groups	4,2	105,8	111,0	4,9	0,2	27 187	32 334	18,9	5 147
Total	100,0	122,0	125,6	3,0	3,0	731 868	888 253	21,4	156 385

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 August 2008 was 81,2%. Improved response rate for July 2008 was 84,5%.
- 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 3 000 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 3 042 enterprises, which was drawn in April 2008 from a population then of 56 553 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	12 500 000
Small	12 500 001	32 500 000
Medium	32 500 001	127 500 000
Large	127 500 001	

Glossary

Enterprise	The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.
Index of physical volume of manufacturing production	The index of physical volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The base period is 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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