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SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

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

Estimates	April 2008	% change between April 2007 and April 2008	% change between February to April 2007 and February to April 2008	% change between January to April 2007 and January to April 2008
Physical volume of manufacturing production index (2000=100)	125,1	9,8	4,1	3,3
Total value of sales of manufactured products (R million)	110 078	29,1	19,9	18,2

Seasonally adjusted estimates	April 2008	% change between March and April 2008	% change between November 2007 to January 2008 and February to April 2008
Physical volume of manufacturing production index (2000=100)	132,6	7,5	2,3
Total value of sales of manufactured products (R million)	116 494	9,4	11,8

Manufacturing production increases

In the first four months of 2008, manufacturing production increased by 3,3% compared with the same period in 2007, but this was lower than the increase of 5,8% reported for the same period in 2007. Manufacturing production increased by 9,8% in April 2008 compared with April 2007 following a decrease of 1% reported for March 2008. Higher production in April 2008 may be partly attributed to a longer working month in April 2008 compared with April 2007 owing to the Easter period shifting from April 2007 to March 2008. The estimated seasonally adjusted manufacturing production for the three months ended April 2008 increased by 2,3% compared with the previous three months. Higher production levels were reported by nine of the ten manufacturing divisions.

The major contributor to the seasonally adjusted increase of 2,3% in total manufacturing production for the three months ended April 2008 compared with the previous three months was the food and beverages division (contributing +0,7 of a percentage point), followed by the petroleum, chemical products, rubber and plastic products division (contributing +0,6 of a percentage point), the electrical machinery division (contributing +0,5 of a percentage point), the wood and wood products, paper, publishing and printing division, the basic iron and steel, non-ferrous metal products, metal products and machinery division and the motor vehicles, parts and accessories and other transport equipment division (each contributing +0,3 of a percentage point) (see Table B).

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

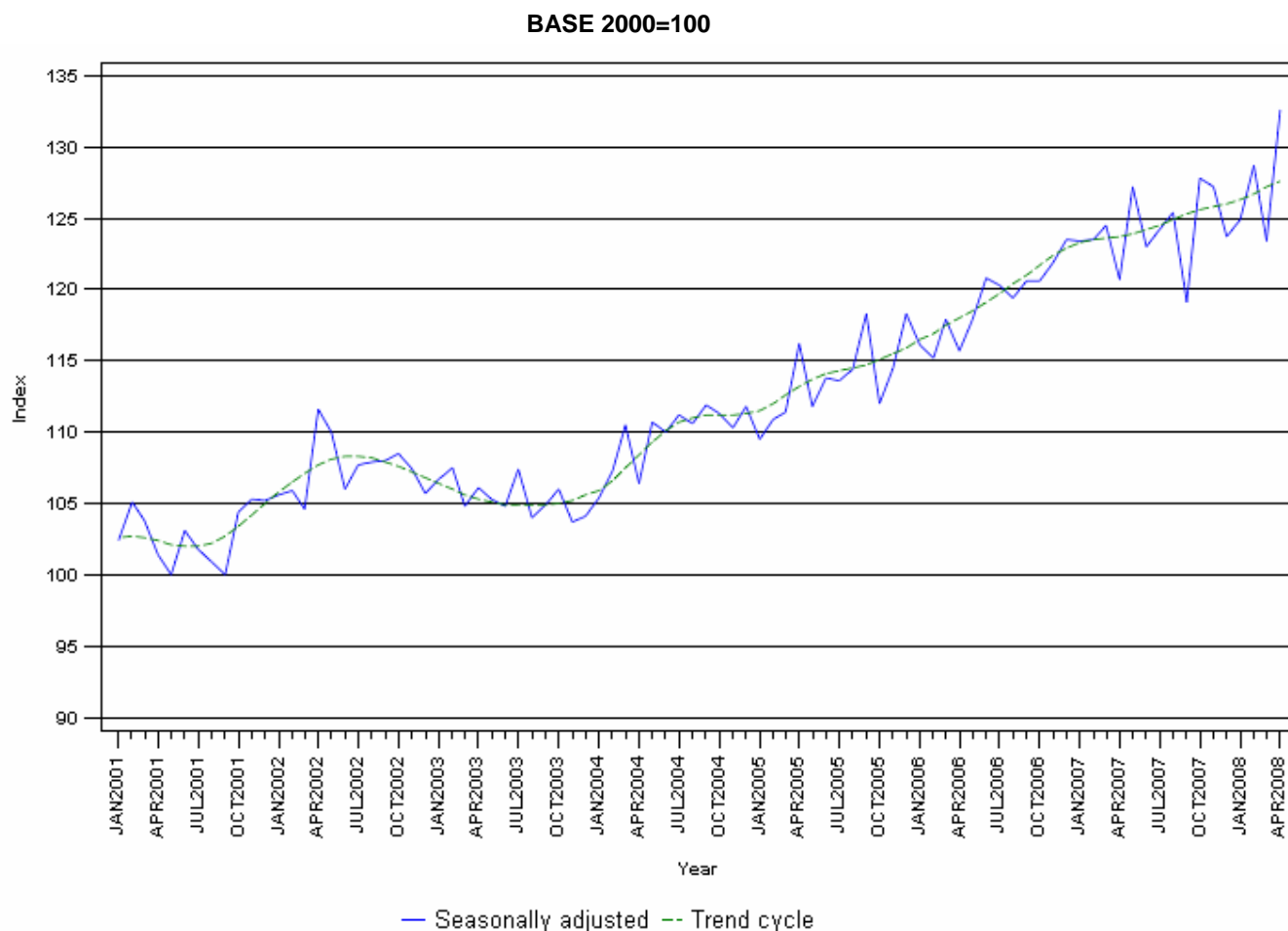
(Base 2000=100)

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 November 2007 to January 2008	Average seasonally adjusted production index for February to April 2008	Quarterly percentage change of February to April 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	122,5	127,8	4,3	0,7
-Food and food products	12,1	116,1	122,0	5,1	0,6
-Beverages	4,3	140,4	144,0	2,6	0,1
Textiles, clothing, leather and footwear	5,4	104,6	105,2	0,6	0,0
-Textiles	2,4	100,5	98,6	-1,9	0,0
-Wearing apparel	2,3	113,4	114,7	1,1	0,0
-Leather and leather products	0,3	104,7	108,3	3,4	0,0
-Footwear	0,4	81,8	89,5	9,4	0,0
Wood and wood products, paper, publishing and printing	11,0	116,5	119,4	2,5	0,3
-Wood and products of wood	1,7	120,2	126,7	5,4	0,1
-Paper and paper products	4,8	116,9	123,8	5,9	0,3
-Publishing and printing	4,6	114,5	111,9	-2,3	-0,1
Petroleum, chemical products, rubber and plastic products	22,5	129,2	132,5	2,6	0,6
-Coke, petroleum products and nuclear fuel	9,1	105,7	97,8	-7,5	-0,7
-Basic chemicals	4,0	148,6	172,4	16,0	0,6
-Other chemical products	5,4	137,4	146,6	6,7	0,4
-Rubber products	1,1	85,4	87,9	2,9	0,0
-Plastic products	3,0	177,6	177,3	-0,2	0,0
Glass and non-metallic mineral products	3,9	139,7	142,6	2,1	0,1
-Glass and glass products	1,1	160,3	169,5	5,7	0,1
-Non-metallic mineral products	2,9	132,0	132,6	0,5	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	124,4	126,3	1,5	0,3
-Basic iron and steel products	5,5	107,6	106,2	-1,3	-0,1
-Basic precious, non-ferrous metal products	4,7	117,9	115,6	-2,0	-0,1
-Fabricated metal products	5,5	137,7	143,0	3,8	0,2
Machinery and equipment	6,7	132,0	136,9	3,7	0,2
Electrical machinery	2,7	105,4	124,1	17,7	0,5
Radio, television and communication apparatus and professional equipment	1,3	114,1	117,4	2,9	0,0
-Radio, television and communication apparatus	0,7	100,2	106,9	6,7	0,0
-Professional equipment	0,6	128,2	128,1	-0,1	0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	147,2	152,0	3,3	0,3
-Motor vehicles, trailers, parts and accessories	7,6	153,3	157,1	2,5	0,2
-Other transport equipment	1,0	100,1	112,6	12,5	0,1
Furniture and other manufacturing division	5,8	126,3	118,3	-6,3	-0,4
-Furniture	1,6	142,7	144,5	1,3	0,0
-Other manufacturing groups	4,2	120,1	108,5	-9,7	-0,4
Total	100,0	125,3	128,2	2,3	2,3

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 April 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 April 2008 increased by 11,8% (R34 928 million), after seasonal adjustment, compared with the previous three months. Higher manufacturing sales were reported by all ten manufacturing divisions during this period (see Table C).

The seasonally adjusted increase of 11,8% in the total value of sales of manufactured products at current prices for the three months ended April 2008 compared with the previous three months was mainly due to increases reported for the basic iron and steel, non-ferrous metal products, metal products and machinery division (+15,9% or +R10 289 million), the motor vehicles, parts and accessories and other transport equipment division (+14,3% or +R6 384 million), the petroleum, chemical products, rubber and plastic products division (+13,3% or + R8 743 million) and the food and beverages division (+8,7% or +R4 449 million) (see Table C).

Table C – Change in the seasonally adjusted value of sales of manufactured products at current prices by manufacturing divisions and major groups

Manufacturing divisions and major groups	Seasonally adjusted sales November 2007 to January 2008	Seasonally adjusted sales February to April 2008	Percentage change between November 2007 to January 2008 and February to April 2008	Difference in seasonally adjusted sales of manufacturing divisions between November 2007 to January 2008 and February to April 2008
	R '000	R '000		R '000
Food and beverages	50 969 362	55 418 207	8,7	4 448 845
-Food and food products	38 183 892	41 821 232	9,5	3 637 340
-Beverages	12 785 471	13 596 972	6,3	811 501
Textiles, clothing, leather and footwear	10 645 758	10 815 251	1,6	169 493
-Textiles	4 295 015	4 384 637	2,1	89 622
-Wearing apparel	4 335 451	4 352 820	0,4	17 369
-Leather and leather products	1 260 671	1 329 571	5,5	68 900
-Footwear	754 620	748 223	-0,8	-6 397
Wood and wood products, paper, publishing and printing	23 934 136	25 520 361	6,6	1 586 225
-Wood and products of wood	5 205 179	5 616 385	7,9	411 206
-Paper and paper products	10 623 342	11 649 488	9,7	1 026 146
-Publishing and printing	8 105 616	8 254 488	1,8	148 872
Petroleum, chemicals products, rubber and plastic products	65 623 086	74 366 501	13,3	8 743 415
-Coke, petroleum products and nuclear fuel	26 286 309	29 793 853	13,3	3 507 544
-Basic chemicals	13 928 468	17 406 439	25,0	3 477 971
-Other chemical products	13 873 535	14 909 322	7,5	1 035 787
-Rubber products	2 606 918	2 848 880	9,3	241 962
-Plastic products	8 927 858	9 408 008	5,4	480 150
Glass and non-metallic mineral products	8 404 300	9 161 056	9,0	756 756
-Glass and glass products	1 522 188	1 608 644	5,7	86 456
-Non-metallic mineral products	6 882 112	7 552 412	9,7	670 300
Basic iron and steel, non-ferrous metal products, metal products and machinery	64 641 281	74 929 937	15,9	10 288 656
-Basic iron and steel products	26 785 775	33 463 204	24,9	6 677 429
-Basic precious, non-ferrous metal products	9 221 956	10 436 470	13,2	1 214 514
-Fabricated metal products	13 663 725	15 601 924	14,2	1 938 199
-Machinery and equipment	14 969 824	15 428 337	3,1	458 513
Electrical machinery	8 917 204	10 721 386	20,2	1 804 182
Radio, television and communication apparatus and professional equipment	3 466 223	3 586 584	3,5	120 361
-Radio, television and communication apparatus	1 980 661	2 072 414	4,6	91 753
-Professional equipment	1 485 563	1 514 170	1,9	28 607
Motor vehicles, parts and accessories and other transport equipment	44 543 789	50 928 182	14,3	6 384 393
-Motor vehicles, trailers, parts and accessories	41 258 146	47 107 257	14,2	5 849 111
-Other transport equipment	3 285 645	3 820 925	16,3	535 280
Furniture and other manufacturing division	14 068 230	14 693 991	4,4	625 761
-Furniture	2 932 440	2 962 357	1,0	29 917
-Other manufacturing groups	11 135 789	11 731 636	5,4	595 847
Total	295 213 368	330 141 454	11,8	34 928 086

Sales of manufactured products increase

The value of sales of manufactured products at current prices for the three months ended April 2008 was 19,9% (R53 227 million) higher than for the three months ended April 2007 (see Table D). Increased sales were reflected in all divisions.

The major contributors to the increase of 19,9% in sales of manufactured products at current prices for the three months ended April 2008 compared with the three months ended April 2007 were the petroleum, chemical products, rubber and plastic products division (+6,4 percentage points or +R17 244 million), the basic iron and steel, non-ferrous metal products, metal products and machinery division (+4,6 percentage points or +R12 307 million), the food and beverages division (+3,7 percentage points or +R9 920 million) and the motor vehicles, parts and accessories and other transport equipment division (+2,3 percentage points or +R6 153 million) (see Table D).

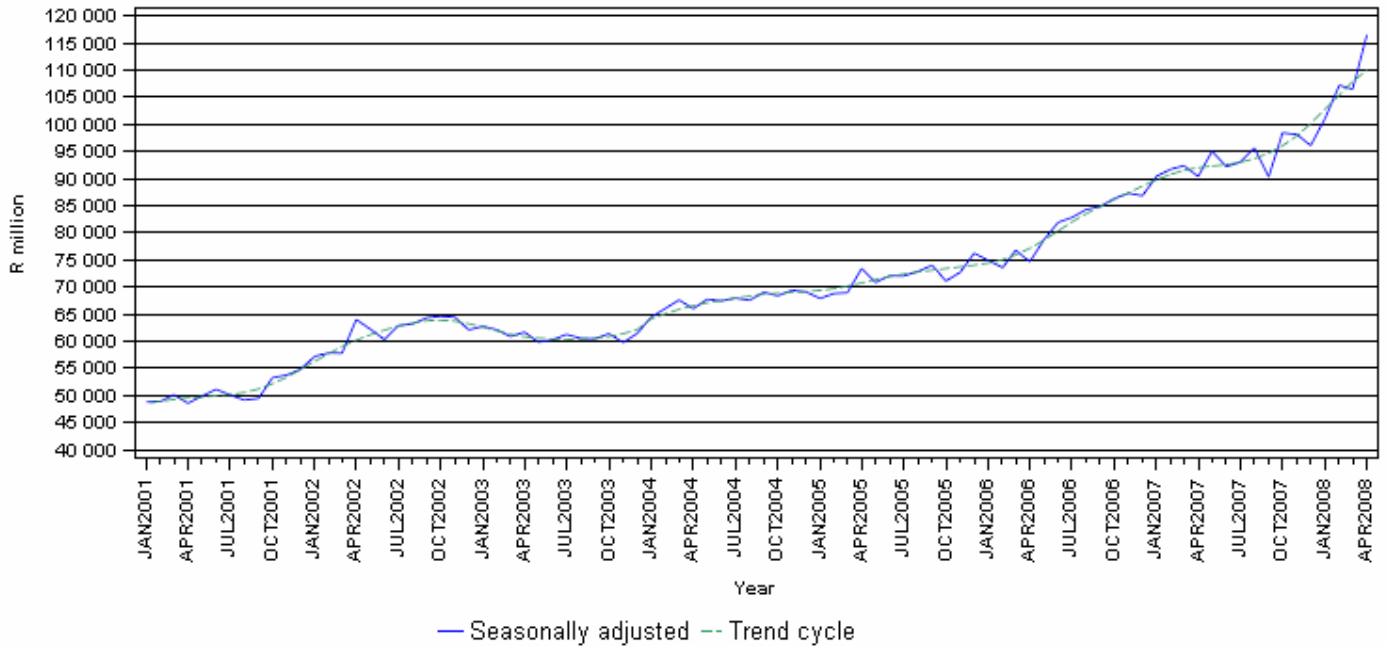
Table D – Contribution of the manufacturing divisions and major groups to the total value of sales of manufactured products at current prices

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products February to April 2007	Percentage change between February to April 2007 and February to April 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 February to April 2007 and February to April 2008
				R '000
Food and beverages	16,3	22,7	3,7	9 920 202
-Food and food products	11,9	26,7	3,2	8 496 505
-Beverages	4,5	11,9	0,5	1 423 697
Textiles, clothing, leather and footwear	3,8	8,2	0,3	827 254
-Textiles	1,6	3,2	0,1	137 172
-Wearing apparel	1,5	11,8	0,2	464 164
-Leather and leather products	0,5	13,6	0,1	165 044
-Footwear	0,2	9,5	0,0	60 874
Wood and wood products, paper, publishing and printing	8,3	10,4	0,9	2 317 796
-Wood and products of wood	1,8	11,8	0,2	574 332
-Paper and paper products	3,5	16,5	0,6	1 558 486
-Publishing and printing	3,0	2,3	0,1	184 978
Petroleum, chemicals products, rubber and plastic products	20,2	31,8	6,4	17 243 525
-Coke, petroleum products and nuclear fuel	7,1	50,6	3,6	9 573 865
-Basic chemicals	4,3	40,4	1,7	4 710 360
-Other chemical products	4,9	10,4	0,5	1 373 317
-Rubber products	1,0	11,7	0,1	308 397
-Plastic products	2,9	16,4	0,5	1 277 586
Glass and non-metallic mineral products	2,9	10,3	0,3	807 319
-Glass and glass products	0,5	9,1	0,0	121 584
-Non-metallic mineral products	2,4	10,6	0,3	685 735
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,7	20,2	4,6	12 306 905
-Basic iron and steel products	8,9	37,4	3,3	8 866 238
-Basic precious, non-ferrous metal products	3,6	4,7	0,2	454 548
-Fabricated metal products	4,8	17,4	0,8	2 249 398
-Machinery and equipment	5,4	5,1	0,3	736 721
Electrical machinery	3,2	23,1	0,7	1 966 830
Radio, television and communication apparatus and professional equipment	1,3	4,2	0,1	143 058
-Radio, television and communication apparatus	0,7	6,4	0,0	122 271
-Professional equipment	0,6	1,4	0,0	20 787
Motor vehicles, parts and accessories and other transport equipment	16,5	14,0	2,3	6 153 209
-Motor vehicles, trailers, parts and accessories	15,2	13,5	2,1	5 498 894
-Other transport equipment	1,2	20,0	0,2	654 315
Furniture and other manufacturing division	4,8	12,0	0,6	1 540 583
-Furniture	1,0	3,7	0,0	99 541
-Other manufacturing groups	3,8	14,2	0,5	1 441 042
Total	100,0	19,9	19,9	53 226 681

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 April 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	1/ 122,8
Mar	108,2	108,4	114,1	114,9	121,4	128,3	1/ 127,0
Apr	104,4	100,0	100,3	109,2	109,2	113,9	1/ 125,1
May	110,3	105,7	111,6	112,8	118,9	128,1	
Jun	106,7	105,3	110,5	114,3	121,4	123,7	
Jul	108,8	108,7	113,0	115,5	122,2	126,1	
Aug	109,8	106,3	113,7	118,2	123,8	130,1	
Sep	111,4	108,7	116,0	122,9	125,5	123,9	
Oct	119,6	116,7	122,5	123,2	132,6	140,3	
Nov	119,8	114,9	122,3	127,1	135,4	141,1	
Dec	92,7	91,5	99,0	104,6	109,3	109,5	
Year	107,4	105,4	110,0	113,8	119,3	124,2	

1/ Preliminary.

Table 2 – 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	-1,0
Apr	-	-4,2	0,3	8,9	0,0	4,3	9,8
May	-	-4,2	5,6	1,1	5,4	7,7	
Jun	-	-1,3	4,9	3,4	6,2	1,9	
Jul	-	-0,1	4,0	2,2	5,8	3,2	
Aug	-	-3,2	7,0	4,0	4,7	5,1	
Sep	-	-2,4	6,7	5,9	2,1	-1,3	
Oct	-	-2,4	5,0	0,6	7,6	5,8	
Nov	-	-4,1	6,4	3,9	6,5	4,2	
Dec	-	-1,3	8,2	5,7	4,5	0,2	
Year	-	-1,9	4,4	3,5	4,8	4,1	

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

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

Month	2002	2003	2004	2005	2006	2007	2008
Jan	105,8	107,0	105,4	109,5	116,1	123,4	124,9
Feb	105,9	107,6	107,3	110,9	115,2	123,5	128,7
Mar	104,7	104,8	110,5	111,4	117,9	124,5	123,4
Apr	112,0	106,8	106,4	116,2	115,7	120,7	132,6
May	109,8	105,1	110,7	111,8	117,9	127,2	
Jun	106,0	104,8	110,0	113,8	120,8	123,0	
Jul	107,4	107,2	111,2	113,6	120,3	124,2	
Aug	107,7	103,8	110,6	114,4	119,4	125,4	
Sep	108,0	105,0	111,9	118,3	120,6	119,1	
Oct	108,6	106,1	111,3	112,0	120,6	127,8	
Nov	107,6	103,8	110,3	114,5	121,9	127,2	
Dec	105,2	103,2	111,8	118,3	123,5	123,7	

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

Base 2000 = 100

Manufacturing divisions and major groups	Weights	Year 2007	Indices			Seasonally adjusted indices		
			April 2007	1/ March 2008	1/ April 2008	April 2007	March 2008	April 2008
Food and beverages	16,4	124,5	114,8	121,7	126,6	120,7	121,2	132,4
-Meat, fish, fruit etc.	2,6	130,7	129,7	148,5	140,6	132,8	133,3	143,6
-Dairy products	1,1	112,3	99,6	110,7	105,3	103,6	107,4	109,7
-Grain mill products	1,5	129,4	125,5	132,1	138,4	124,8	129,6	137,8
-Other food products	6,8	111,2	99,8	92,2	115,3	104,9	105,3	120,3
-Beverages	4,3	143,1	129,7	151,2	137,3	141,5	139,9	149,0
Textiles, clothing, leather and footwear	5,4	102,6	93,0	104,9	105,4	95,3	100,0	107,8
-Textiles	1,2	80,0	70,9	69,9	79,0	75,0	64,1	84,2
-Other textile products	1,2	119,5	116,2	125,2	121,5	117,8	118,9	122,9
-Knitted, crocheted articles	0,3	82,6	78,6	90,2	92,0	79,7	83,5	93,1
-Wearing apparel	2,0	113,8	99,8	119,6	118,3	100,5	116,7	118,7
-Leather and leather products	0,3	101,6	91,5	120,2	105,9	94,1	106,0	108,9
-Footwear	0,4	84,9	74,0	81,3	86,8	79,9	81,4	94,1
Wood and wood products, paper, publishing and printing	11,0	117,5	109,0	120,3	113,8	115,2	118,7	120,2
-Sawmilling and planing of wood	0,7	116,4	107,7	108,7	117,0	113,0	98,8	122,7
-Products of wood	1,0	134,9	130,0	136,5	135,5	138,1	137,0	143,4
-Paper and paper products	4,8	113,5	103,7	120,4	120,9	108,1	121,7	125,8
-Publishing	2,4	123,9	119,2	125,6	103,8	128,9	123,8	112,6
-Printing, recorded media	2,1	111,4	100,0	110,2	98,2	105,7	104,1	104,6
Petroleum, chemical products, rubber and plastic products	22,5	124,1	115,8	130,9	133,9	118,5	128,6	137,1
-Coke, petroleum products and nuclear fuel	9,1	97,0	90,7	100,0	102,0	89,8	97,2	101,1
-Basic chemicals	4,0	142,3	128,3	165,0	170,9	133,6	168,7	177,7
-Other chemical products	5,4	139,6	135,4	144,3	148,6	139,1	138,7	152,8
-Rubber products	1,1	82,9	70,9	88,7	88,0	73,8	83,9	92,0
-Plastic products	3,0	170,6	158,2	172,1	173,0	166,4	170,6	182,5
Glass and non-metallic mineral products	3,9	136,6	130,3	134,2	137,8	136,3	138,1	144,1
-Glass and glass products	1,1	155,0	146,3	150,5	158,3	157,5	164,8	170,5
-Non-metallic mineral products	2,9	129,7	124,4	128,1	130,2	128,4	128,2	134,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	126,3	118,3	132,4	121,1	125,9	124,9	129,3
-Basic iron and steel products	5,5	111,8	110,4	113,0	108,3	109,8	108,5	108,0
-Non-ferrous metal products	4,7	118,9	115,5	116,0	114,2	118,0	111,1	116,9
-Structural metal products	1,3	137,7	118,1	148,3	133,2	129,0	145,1	147,4
-Other fabricated metal products	4,2	140,7	129,6	151,2	138,9	140,9	140,0	151,3
-General purpose machinery	2,4	119,8	113,1	115,1	110,8	118,5	113,8	116,5
-Special purpose machinery	3,2	143,0	124,3	172,7	130,6	149,4	154,2	156,2
-Household appliances	1,2	130,0	121,9	130,7	128,1	129,9	127,3	135,4
-Electrical machinery	2,7	106,6	98,1	123,0	119,0	103,6	116,2	125,3
Radio, television and communication apparatus and professional equipment	1,3	116,9	103,8	118,7	107,1	114,4	117,1	118,8
-Radio, television and communication apparatus	0,7	100,3	88,2	112,8	95,5	98,7	109,5	107,6
-Professional equipment	0,6	133,7	119,7	124,6	118,9	130,4	124,9	130,1
Motor vehicles, parts and accessories and other transport equipment	8,6	144,7	131,0	147,5	149,8	144,2	140,2	165,3
-Motor vehicles	4,1	140,7	123,6	137,4	136,6	140,9	132,8	156,5
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,2	185,1	229,8	225,3	206,4	220,4	253,7
-Parts and accessories	3,1	154,5	143,7	157,5	171,2	152,6	150,1	182,1
-Other transport equipment	1,0	103,1	101,2	127,4	108,8	108,4	109,9	115,9
Furniture and other manufacturing division	5,8	120,1	89,3	107,2	103,6	107,3	105,1	124,6
-Furniture	1,6	142,6	127,7	127,9	133,6	141,4	132,0	147,9
-Other manufacturing groups	4,2	111,6	74,8	99,4	92,3	94,4	95,0	115,9
Total	100,0	124,2	113,9	127,0	125,1	120,7	123,4	132,6

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		
			April 2007	1/ April 2008	Percentage difference between April 2007 and April 2008	March 2008	April 2008	Percentage difference between March and April 2008
Food and beverages	16,4	124,5	114,8	126,6	10,3	121,2	132,4	9,2
-Meat, fish, fruit etc.	2,6	130,7	129,7	140,6	8,4	133,3	143,6	7,7
-Dairy products	1,1	112,3	99,6	105,3	5,7	107,4	109,7	2,1
-Grain mill products	1,5	129,4	125,5	138,4	10,3	129,6	137,8	6,3
-Other food products	6,8	111,2	99,8	115,3	15,5	105,3	120,3	14,2
-Beverages	4,3	143,1	129,7	137,3	5,9	139,9	149,0	6,5
Textiles, clothing, leather and footwear	5,4	102,6	93,0	105,4	13,3	100,0	107,8	7,8
-Textiles	1,2	80,0	70,9	79,0	11,4	64,1	84,2	31,4
-Other textile products	1,2	119,5	116,2	121,5	4,6	118,9	122,9	3,4
-Knitted, crocheted articles	0,3	82,6	78,6	92,0	17,0	83,5	93,1	11,5
-Wearing apparel	2,0	113,8	99,8	118,3	18,5	116,7	118,7	1,7
-Leather and leather products	0,3	101,6	91,5	105,9	15,7	106,0	108,9	2,7
-Footwear	0,4	84,9	74,0	86,8	17,3	81,4	94,1	15,6
Wood and wood products, paper, publishing and printing	11,0	117,5	109,0	113,8	4,4	118,7	120,2	1,3
-Sawmilling and planing of wood	0,7	116,4	107,7	117,0	8,6	98,8	122,7	24,2
-Products of wood	1,0	134,9	130,0	135,5	4,2	137,0	143,4	4,7
-Paper and paper products	4,8	113,5	103,7	120,9	16,6	121,7	125,8	3,4
-Publishing	2,4	123,9	119,2	103,8	-12,9	123,8	112,6	-9,0
-Printing, recorded media	2,1	111,4	100,0	98,2	-1,8	104,1	104,6	0,5
Petroleum, chemical products, rubber and plastic products	22,5	124,1	115,8	133,9	15,6	128,6	137,1	6,6
-Coke, petroleum products and nuclear fuel	9,1	97,0	90,7	102,0	12,5	97,2	101,1	4,0
-Basic chemicals	4,0	142,3	128,3	170,9	33,2	168,7	177,7	5,3
-Other chemical products	5,4	139,6	135,4	148,6	9,7	138,7	152,8	10,2
-Rubber products	1,1	82,9	70,9	88,0	24,1	83,9	92,0	9,7
-Plastic products	3,0	170,6	158,2	173,0	9,4	170,6	182,5	7,0
Glass and non-metallic mineral products	3,9	136,6	130,3	137,8	5,8	138,1	144,1	4,3
-Glass and glass products	1,1	155,0	146,3	158,3	8,2	164,8	170,5	3,5
-Non-metallic mineral products	2,9	129,7	124,4	130,2	4,7	128,2	134,3	4,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	126,3	118,3	121,1	2,4	124,9	129,3	3,5
-Basic iron and steel products	5,5	111,8	110,4	108,3	-1,9	108,5	108,0	-0,5
-Non-ferrous metal products	4,7	118,9	115,5	114,2	-1,1	111,1	116,9	5,2
-Structural metal products	1,3	137,7	118,1	133,2	12,8	142,5	147,4	3,4
-Other fabricated metal products	4,2	140,7	129,6	138,9	7,2	140,0	151,3	8,1
-General purpose machinery	2,4	119,8	113,1	110,8	-2,0	113,8	116,5	2,4
-Special purpose machinery	3,2	143,0	124,3	130,6	5,1	154,2	156,2	1,3
-Household appliances	1,2	130,0	121,9	128,1	5,1	127,3	135,4	6,4
Electrical machinery	2,7	106,6	98,1	119,0	21,3	116,2	125,3	7,8
Radio, television and communication apparatus and professional equipment	1,3	116,9	103,8	107,1	3,2	117,1	118,8	1,5
-Radio, television and communication apparatus	0,7	100,3	88,2	95,5	8,3	109,5	107,6	-1,7
-Professional equipment	0,6	133,7	119,7	118,9	-0,7	124,9	130,1	4,2
Motor vehicles, parts and accessories and other transport equipment	8,6	144,7	131,0	149,8	14,4	140,2	165,3	17,9
-Motor vehicles	4,1	140,7	123,6	136,6	10,5	132,8	156,5	17,8
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,2	185,1	225,3	21,7	220,4	253,7	15,1
-Parts and accessories	3,1	154,5	143,7	171,2	19,1	150,1	182,1	21,3
-Other transport equipment	1,0	103,1	101,2	108,8	7,5	109,9	115,9	5,5
Furniture and other manufacturing division	5,8	120,1	89,3	103,6	16,0	105,1	124,6	18,6
-Furniture	1,6	142,6	127,7	133,6	4,6	132,0	147,9	12,0
-Other manufacturing groups	4,2	111,6	74,8	92,3	23,4	95,0	115,9	22,0
Total	100,0	124,2	113,9	125,1	9,8	123,4	132,6	7,5

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	1/ 102 567 142
Mar	61 291 760	64 082 291	69 432 309	70 644 727	78 541 964	94 413 107	1/ 108 426 988
Apr	61 619 502	59 904 600	62 483 652	69 282 353	70 410 213	85 289 603	1/ 110 078 177
May	63 820 095	61 503 788	68 142 813	71 278 474	79 112 653	95 842 149	
Jun	62 396 131	62 129 864	67 898 336	72 555 903	82 365 603	92 828 745	
Jul	64 152 749	62 617 180	68 406 575	72 671 036	83 516 902	93 655 073	
Aug	65 615 474	62 622 871	69 213 723	75 018 367	87 085 746	98 909 157	
Sep	68 068 479	64 217 058	72 338 062	77 775 725	89 103 179	94 735 842	
Oct	72 388 326	68 820 949	74 868 256	77 778 702	94 226 447	107 266 948	
Nov	72 814 163	67 559 894	77 110 142	81 266 703	97 461 923	109 646 608	
Dec	58 364 614	57 324 718	63 142 536	69 279 984	78 315 754	86 990 808	
Year	757 215 001	746 344 652	811 486 069	861 382 538	974 593 072	1 124 974 564	

1/ Preliminary.

Table 6 – 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	29,1
May	-	-3,6	10,8	4,6	11,0	21,1	
Jun	-	-0,4	9,3	6,9	13,5	12,7	
Jul	-	-2,4	9,2	6,2	14,9	12,1	
Aug	-	-4,6	10,5	8,4	16,1	13,6	
Sep	-	-5,7	12,6	7,5	14,6	6,3	
Oct	-	-4,9	8,8	3,9	21,1	13,8	
Nov	-	-7,2	14,1	5,4	19,9	12,5	
Dec	-	-1,8	10,1	9,7	13,0	11,1	
Year	-	-1,4	8,7	6,1	13,1	15,4	

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

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

Month	2002	2003	2004	2005	2006	2007	2008
Jan	58 298 096	63 937 609	64 456 051	67 888 659	74 881 501	90 421 877	101 017 613
Feb	59 179 397	63 504 845	66 067 928	68 809 595	73 556 532	91 711 155	107 178 835
Mar	59 008 559	62 082 579	67 584 856	68 922 773	76 771 062	92 355 486	106 468 922
Apr	65 438 462	63 372 677	65 972 676	73 394 466	74 669 747	90 367 148	116 493 697
May	63 394 417	61 115 230	67 735 510	70 828 173	78 635 461	95 031 316	.
Jun	61 473 011	61 500 499	67 408 769	72 065 311	81 894 271	92 187 982	.
Jul	64 119 466	62 447 874	67 943 494	72 018 301	82 805 128	92 998 806	.
Aug	64 454 686	61 402 262	67 540 556	72 840 269	84 270 935	95 620 554	.
Sep	65 477 285	61 468 168	69 040 964	73 992 157	84 827 495	90 299 860	.
Oct	66 015 600	62 784 480	68 367 227	71 096 793	86 305 775	98 420 309	.
Nov	65 692 144	60 803 001	69 386 017	72 711 666	87 292 699	98 111 413	.
Dec	63 401 772	62 576 612	69 097 804	76 229 007	86 815 652	96 084 342	.

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		
		April 2007	1/ March 2008	1/ April 2008	April 2007	March 2008	April 2008
Food and beverages	190 699 869	14 430 562	17 967 787	18 356 617	15 126 879	17 888 155	19 219 954
-Meat, fish, fruit etc.	48 534 325	3 733 175	4 915 502	4 945 247	3 905 720	4 701 479	5 178 360
-Dairy products	16 370 695	1 183 559	1 580 545	1 510 251	1 243 464	1 509 983	1 592 413
-Grain mill products	35 351 201	2 670 109	3 575 605	3 846 158	2 675 426	3 592 824	3 863 241
-Other food products	40 383 997	3 119 644	3 443 710	3 777 984	3 196 359	3 669 743	3 873 150
-Beverages	50 059 651	3 724 075	4 452 425	4 276 977	4 105 910	4 414 126	4 712 789
Textiles, clothing, leather and footwear	41 463 312	3 136 846	3 686 377	3 586 776	3 204 823	3 456 081	3 665 584
-Textiles	6 541 155	490 378	518 641	549 028	482 767	473 971	542 072
-Other textile products	10 775 306	829 729	985 041	906 687	872 487	908 113	956 744
-Knitted, crocheted articles	1 812 329	143 496	177 120	169 781	144 572	158 280	170 794
-Wearing apparel	14 691 677	1 089 278	1 298 604	1 293 844	1 091 340	1 244 143	1 294 021
-Leather and leather products	4 823 510	380 996	472 093	428 078	394 894	433 288	443 609
-Footwear	2 819 335	202 969	234 878	239 358	218 763	238 287	258 343
Wood and wood products, paper, publishing and printing	93 694 669	7 019 312	8 284 106	8 184 266	7 587 481	8 145 103	8 868 347
-Sawmilling and planing of wood	6 214 792	461 230	536 395	555 054	468 127	531 787	563 766
-Products of wood	14 225 883	1 096 005	1 233 073	1 314 170	1 152 763	1 261 623	1 381 846
-Paper and paper products	40 527 758	2 989 338	3 713 105	3 729 050	3 342 510	3 630 443	4 169 506
-Publishing	14 336 533	1 094 901	1 216 936	1 086 546	1 188 321	1 199 293	1 183 279
-Printing, recorded media	18 389 703	1 377 838	1 584 597	1 499 446	1 435 759	1 521 957	1 569 949
Petroleum, chemical products, rubber and plastic products	236 893 389	18 062 083	24 292 508	25 368 219	18 757 333	24 289 833	26 308 281
-Coke, petroleum products and nuclear fuel	86 358 423	6 366 074	9 805 562	10 511 960	6 474 682	9 956 331	10 725 701
-Basic chemicals	51 893 414	4 052 473	5 687 252	5 703 133	4 256 090	5 872 707	5 970 631
-Other chemical products	54 779 474	4 340 586	4 828 001	5 077 476	4 529 047	4 574 364	5 301 990
-Rubber products	10 217 878	745 626	996 576	976 616	763 983	924 148	996 768
-Plastic products	33 644 200	2 557 324	2 975 117	3 099 034	2 733 530	2 962 283	3 313 192
Glass and non-metallic mineral products	32 988 751	2 530 954	2 829 212	2 961 381	2 727 693	2 858 805	3 191 431
-Glass and glass products	5 834 297	440 645	471 502	499 910	483 724	525 500	548 867
-Non-metallic mineral products	27 154 454	2 090 309	2 357 710	2 461 471	2 243 968	2 333 305	2 642 564
Basic iron and steel, non-ferrous metal products, metal products and machinery	251 388 035	19 521 131	24 944 584	25 407 617	20 389 254	24 442 758	26 446 461
-Basic iron and steel products	98 911 116	7 745 927	10 798 088	11 953 820	7 776 135	11 053 405	12 039 269
-Non-ferrous metal products	38 935 281	3 203 707	3 533 972	3 418 339	3 298 703	3 396 441	3 512 280
-Structural metal products	18 358 248	1 294 617	1 832 836	1 768 419	1 385 830	1 759 677	1 911 975
-Other fabricated metal products	36 524 531	2 862 484	3 238 372	3 582 111	3 011 773	3 159 116	3 773 922
-General purpose machinery	21 932 921	1 711 261	1 937 363	1 868 001	1 796 674	1 915 382	1 965 227
-Special purpose machinery	26 838 561	1 914 375	2 769 387	2 020 752	2 291 354	2 353 961	2 414 740
-Household appliances	9 887 377	788 760	834 566	796 175	828 786	804 775	829 047
Electrical machinery	35 204 763	2 632 320	3 498 701	3 411 069	2 821 316	3 388 894	3 670 420
Radio, television and communication apparatus and professional equipment	14 054 230	1 016 218	1 276 631	1 088 419	1 128 880	1 204 456	1 217 726
-Radio, television and communication apparatus	7 936 222	562 387	746 176	634 748	631 406	698 325	717 887
-Professional equipment	6 118 008	453 831	530 455	453 671	497 474	506 131	499 839
Motor vehicles, parts and accessories and other transport equipment	174 954 470	13 013 649	17 143 336	16 842 469	14 395 940	16 185 144	18 647 366
-Motor vehicles	88 029 955	6 170 799	8 755 129	8 092 193	7 225 479	8 182 554	9 495 966
-Bodies for motor vehicles, trailers and semi-trailers	7 595 045	571 848	664 568	682 877	622 467	651 897	743 731
-Parts and accessories	66 275 795	5 217 953	6 298 369	6 824 541	5 420 454	6 108 805	7 083 285
-Other transport equipment	13 053 675	1 053 049	1 425 270	1 242 858	1 127 540	1 241 888	1 324 384
Furniture and other manufacturing division	53 633 076	3 926 528	4 503 746	4 871 344	4 227 549	4 609 693	5 258 129
-Furniture	11 687 647	867 997	878 308	920 167	949 881	905 543	1 004 929
-Other manufacturing groups	41 945 429	3 058 531	3 625 438	3 951 177	3 277 667	3 704 151	4 253 201
Total	1 124 974 564	85 289 603	108 426 988	110 078 177	90 367 148	106 468 922	116 493 697

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		
		April 2007	1/ April 2008	Percentage change between April 2007 and April 2008	March 2008	April 2008	Percentage change between March and April 2008
Food and beverages	190 699 869	14 430 562	18 356 617	27,2	17 888 155	19 219 954	7,4
-Meat, fish, fruit etc.	48 534 325	3 733 175	4 945 247	32,5	4 701 479	5 178 360	10,1
-Dairy products	16 370 695	1 183 559	1 510 251	27,6	1 509 983	1 592 413	5,5
-Grain mill products	35 351 201	2 670 109	3 846 158	44,0	3 592 824	3 863 241	7,5
-Other food products	40 383 997	3 119 644	3 777 984	21,1	3 669 743	3 873 150	5,5
-Beverages	50 059 651	3 724 075	4 276 977	14,8	4 414 126	4 712 789	6,8
Textiles, clothing, leather and footwear	41 463 312	3 136 846	3 586 776	14,3	3 456 081	3 665 584	6,1
-Textiles	6 541 155	490 378	549 028	12,0	473 971	542 072	14,4
-Other textile products	10 775 306	829 729	906 687	9,3	908 113	956 744	5,4
-Knitted, crocheted articles	1 812 329	143 496	169 781	18,3	158 280	170 794	7,9
-Wearing apparel	14 691 677	1 089 278	1 293 844	18,8	1 244 143	1 294 021	4,0
-Leather and leather products	4 823 510	380 996	428 078	12,4	433 288	443 609	2,4
-Footwear	2 819 335	202 969	239 358	17,9	238 287	258 343	8,4
Wood and wood products, paper, publishing and printing	93 694 669	7 019 312	8 184 266	16,6	8 145 103	8 868 347	8,9
-Sawmilling and planing of wood	6 214 792	461 230	555 054	20,3	531 787	563 766	6,0
-Products of wood	14 225 883	1 096 005	1 314 170	19,9	1 261 623	1 381 846	9,5
-Paper and paper products	40 527 758	2 989 338	3 729 050	24,7	3 630 443	4 169 506	14,8
-Publishing	14 336 533	1 094 901	1 086 546	-0,8	1 199 293	1 183 279	-1,3
-Printing, recorded media	18 389 703	1 377 838	1 499 446	8,8	1 521 957	1 569 949	3,2
Petroleum, chemical products, rubber and plastic products	236 893 389	18 062 083	25 368 219	40,5	24 289 833	26 308 281	8,3
-Coke, petroleum products and nuclear fuel	86 358 423	6 366 074	10 511 960	65,1	9 956 331	10 725 701	7,7
-Basic chemicals	51 893 414	4 052 473	5 703 133	40,7	5 872 707	5 970 631	1,7
-Other chemical products	54 779 474	4 340 586	5 077 476	17,0	4 574 364	5 301 990	15,9
-Rubber products	10 217 878	745 626	976 616	31,0	924 148	996 768	7,9
-Plastic products	33 644 200	2 557 324	3 099 034	21,2	2 962 283	3 313 192	11,8
Glass and non-metallic mineral products	32 988 751	2 530 954	2 961 381	17,0	2 858 805	3 191 431	11,6
-Glass and glass products	5 834 297	440 645	499 910	13,4	525 500	548 867	4,4
-Non-metallic mineral products	27 154 454	2 090 309	2 461 471	17,8	2 333 305	2 642 564	13,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	251 388 035	19 521 131	25 407 617	30,2	24 442 758	26 446 461	8,2
-Basic iron and steel products	98 911 116	7 745 927	11 953 820	54,3	11 053 405	12 039 269	8,9
-Non-ferrous metal products	38 935 281	3 203 707	3 418 339	6,7	3 396 441	3 512 280	3,4
-Structural metal products	18 358 248	1 294 617	1 768 419	36,6	1 759 677	1 911 975	8,7
-Other fabricated metal products	36 524 531	2 862 484	3 582 111	25,1	3 159 116	3 773 922	19,5
-General purpose machinery	21 932 921	1 711 261	1 868 001	9,2	1 915 382	1 965 227	2,6
-Special purpose machinery	26 838 561	1 914 375	2 020 752	5,6	2 353 961	2 414 740	2,6
-Household appliances	9 887 377	788 760	796 175	0,9	804 775	829 047	3,0
Electrical machinery	35 204 763	2 632 320	3 411 069	29,6	3 388 894	3 670 420	8,3
Radio, television and communication apparatus and professional equipment	14 054 230	1 016 218	1 088 419	7,1	1 204 456	1 217 726	1,1
-Radio, television and communication apparatus	7 936 222	562 387	634 748	12,9	698 325	717 887	2,8
-Professional equipment	6 118 008	453 831	453 671	0,0	506 131	499 839	-1,2
Motor vehicles, parts and accessories and other transport equipment	174 954 470	13 013 649	16 842 469	29,4	16 185 144	18 647 366	15,2
-Motor vehicles	88 029 955	6 170 799	8 092 193	31,1	8 182 554	9 495 966	16,1
-Bodies for motor vehicles, trailers and semi-trailers	7 595 045	571 848	682 877	19,4	651 897	743 731	14,1
-Parts and accessories	66 275 795	5 217 953	6 824 541	30,8	6 108 805	7 083 285	16,0
-Other transport equipment	13 053 675	1 053 049	1 242 858	18,0	1 241 888	1 324 384	6,6
Furniture and other manufacturing division	53 633 076	3 926 528	4 871 344	24,1	4 609 693	5 258 129	14,1
-Furniture	11 687 647	867 997	920 167	6,0	905 543	1 004 929	11,0
-Other manufacturing groups	41 945 429	3 058 531	3 951 177	29,2	3 704 151	4 253 201	14,8
Total	1 124 974 564	85 289 603	110 078 177	29,1	106 468 922	116 493 697	9,4

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)		
		February to April 2007	February to April 2008	Annual percentage change between February to April 2007 and February to April 2008	February to April 2007	February to April 2008	Annual percentage change between February to April 2007 and February to April 2008
Food and beverages	16,4	115,6	122,0	5,5	43 783 193	53 703 395	22,7
-Meat, fish, fruit etc.	2,6	135,3	141,5	4,6	11 375 921	14 373 878	26,4
-Dairy products	1,1	110,0	110,4	0,4	3 761 424	4 597 523	22,2
-Grain mill products	1,5	126,4	131,1	3,7	7 741 616	10 685 856	38,0
-Other food products	6,8	90,5	100,0	10,5	8 914 331	10 632 540	19,3
-Beverages	4,3	141,0	144,9	2,8	11 989 901	13 413 598	11,9
Textiles, clothing, leather and footwear	5,4	100,2	106,6	6,4	10 132 418	10 959 672	8,2
-Textiles	1,2	81,2	78,9	-2,8	1 625 575	1 645 239	1,2
-Other textile products	1,2	119,5	123,6	3,4	2 712 170	2 829 678	4,3
-Knitted, crocheted articles	0,3	83,8	95,5	14,0	460 359	528 109	14,7
-Wearing apparel	2,0	107,1	119,1	11,2	3 478 106	3 874 520	11,4
-Leather and leather products	0,3	103,5	113,6	9,8	1 212 761	1 377 805	13,6
-Footwear	0,4	79,8	84,9	6,4	643 447	704 321	9,5
Wood and wood products, paper, publishing and printing	11,0	114,6	116,3	1,5	22 241 724	24 559 520	10,4
-Sawmilling and planing of wood	0,7	121,4	113,5	-6,5	1 553 032	1 646 784	6,0
-Products of wood	1,0	130,3	131,6	1,0	3 312 640	3 793 220	14,5
-Paper and paper products	4,8	107,8	119,4	10,8	9 453 573	11 012 059	16,5
-Publishing	2,4	124,2	115,5	-7,0	3 550 254	3 489 711	-1,7
-Printing, recorded media	2,1	109,2	104,3	-4,5	4 372 225	4 617 746	5,6
Petroleum, chemical products, rubber and plastic products	22,5	117,8	129,4	9,8	54 213 102	71 456 627	31,8
-Coke, petroleum products and nuclear fuel	9,1	91,5	96,7	5,7	18 906 654	28 480 519	50,6
-Basic chemicals	4,0	129,4	163,9	26,7	11 650 954	16 361 314	40,4
-Other chemical products	5,4	137,9	144,1	4,5	13 227 211	14 600 528	10,4
-Rubber products	1,1	87,0	89,8	3,2	2 635 304	2 943 701	11,7
-Plastic products	3,0	158,4	172,4	8,8	7 792 979	9 070 565	16,4
Glass and non-metallic mineral products	3,9	132,5	135,4	2,2	7 833 601	8 640 920	10,3
-Glass and glass products	1,1	147,6	158,4	7,3	1 342 576	1 464 160	9,1
-Non-metallic mineral products	2,9	126,9	126,8	-0,1	6 491 025	7 176 760	10,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	125,6	124,0	-1,3	60 799 622	73 106 527	20,2
-Basic iron and steel products	5,5	115,4	105,7	-8,4	23 731 709	32 597 947	37,4
-Non-ferrous metal products	4,7	116,3	113,8	-2,1	9 640 942	10 095 490	4,7
-Structural metal products	1,3	127,4	141,9	11,4	4 164 412	5 253 062	26,1
-Other fabricated metal products	4,2	140,0	139,7	-0,2	8 757 473	9 918 221	13,3
-General purpose machinery	2,4	115,1	111,6	-3,0	5 147 605	5 617 447	9,1
-Special purpose machinery	3,2	142,7	149,9	5,0	6 813 611	7 153 823	5,0
-Household appliances	1,2	132,7	131,2	-1,1	2 543 870	2 470 537	-2,9
-Electrical machinery	2,7	103,0	122,0	18,4	8 531 865	10 498 695	23,1
Radio, television and communication apparatus and professional equipment	1,3	112,1	115,1	2,7	3 401 453	3 544 511	4,2
-Radio, television and communication apparatus	0,7	97,5	104,7	7,4	1 922 288	2 044 559	6,4
-Professional equipment	0,6	126,9	125,6	-1,0	1 479 165	1 499 952	1,4
Motor vehicles, parts and accessories and other transport equipment	8,6	147,0	150,3	2,2	44 097 983	50 251 192	14,0
-Motor vehicles	4,1	143,5	138,7	-3,3	21 970 211	24 718 394	12,5
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,8	227,4	3,9	1 883 954	1 978 680	5,0
-Parts and accessories	3,1	155,7	167,1	7,3	16 966 265	19 622 250	15,7
-Other transport equipment	1,0	106,6	116,7	9,5	3 277 553	3 931 868	20,0
Furniture and other manufacturing division	5,8	111,6	112,2	0,5	12 810 665	14 351 248	12,0
-Furniture	1,6	132,6	134,7	1,6	2 665 919	2 765 460	3,7
-Other manufacturing groups	4,2	103,7	103,7	0,0	10 144 746	11 585 788	14,2
Total	100,0	120,1	125,0	4,1	267 845 626	321 072 307	19,9

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 Apr. 2007	Jan. to Apr. 2008	Annual percentage change between 2007 and 2008	Contribution (percentage points)	Jan. to Apr. 2007	Jan. to Apr. 2008	Annual percentage change between 2007 and 2008	Difference in sales between 2007 and 2008
Food and beverages	16,4	113,8	118,2	3,9	0,6	57 115	69 112	21,0	11 997
-Meat, fish, fruit etc.	2,6	131,2	135,1	3,0	0,1	14 828	18 335	23,7	3 507
-Dairy products	1,1	112,2	111,7	-0,4	0,0	5 052	6 116	21,1	1 064
-Grain mill products	1,5	127,1	128,9	1,4	0,0	10 176	13 895	36,5	3 719
-Other food products	6,8	88,0	95,5	8,5	0,6	11 522	13 664	18,6	2 142
-Beverages	4,3	139,9	141,6	1,2	0,1	15 537	17 102	10,1	1 565
Textiles, clothing, leather and footwear	5,4	92,8	98,2	5,8	0,3	12 577	13 456	7,0	879
-Textiles	1,2	74,9	73,4	-2,0	0,0	2 004	2 030	1,3	26
-Other textile products	1,2	110,4	115,1	4,3	0,0	3 389	3 477	2,6	88
-Knitted, crocheted articles	0,3	79,5	83,5	5,0	0,0	575	629	9,4	54
-Wearing apparel	2,0	98,8	109,0	10,3	0,2	4 261	4 709	10,5	448
-Leather and leather products	0,3	99,8	110,8	11,0	0,0	1 568	1 767	12,7	199
-Footwear	0,4	73,3	75,2	2,6	0,0	780	845	8,3	65
Wood and wood products, paper, publishing and printing	11,0	111,6	112,1	0,4	0,0	28 697	31 277	9,0	2 580
-Sawmilling and planing of wood	0,7	117,7	107,6	-8,6	-0,1	2 006	2 069	3,1	63
-Products of wood	1,0	123,1	124,7	1,3	0,0	4 129	4 734	14,7	605
-Paper and paper products	4,8	106,1	116,0	9,3	0,4	12 371	14 215	14,9	1 844
-Publishing	2,4	121,1	111,3	-8,1	-0,2	4 577	4 468	-2,4	-109
-Printing, recorded media	2,1	105,5	99,6	-5,6	-0,1	5 613	5 791	3,2	178
Petroleum, chemical products, rubber and plastic products	22,5	116,6	126,5	8,5	1,9	70 855	91 542	29,2	20 687
-Coke, petroleum products and nuclear fuel	9,1	93,5	98,8	5,7	0,5	25 252	37 020	46,6	11 768
-Basic chemicals	4,0	129,9	157,2	21,0	0,8	15 432	20 860	35,2	5 428
-Other chemical products	5,4	132,3	137,3	3,8	0,2	16 908	18 439	9,1	1 531
-Rubber products	1,1	84,5	85,4	1,1	0,0	3 304	3 633	10,0	329
-Plastic products	3,0	153,8	166,8	8,5	0,3	9 961	11 589	16,3	1 628
Glass and non-metallic mineral products	3,9	127,0	131,8	3,8	0,1	9 911	10 920	10,2	1 009
-Glass and glass products	1,1	144,0	153,9	6,9	0,1	1 729	1 879	8,7	150
-Non-metallic mineral products	2,9	120,7	123,6	2,4	0,1	8 182	9 040	10,5	858
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	122,4	121,3	-0,9	-0,2	78 390	93 326	19,1	14 936
-Basic iron and steel products	5,5	115,7	106,0	-8,4	-0,5	31 235	42 008	34,5	10 773
-Non-ferrous metal products	4,7	115,9	113,7	-1,9	-0,1	12 462	12 868	3,3	406
-Structural metal products	1,3	121,5	134,6	10,8	0,1	5 294	6 494	22,7	1 200
-Other fabricated metal products	4,2	131,2	132,8	1,2	0,1	10 906	12 404	13,7	1 498
-General purpose machinery	2,4	110,5	109,2	-1,2	0,0	6 586	7 176	9,0	590
-Special purpose machinery	3,2	139,0	147,0	5,8	0,2	8 670	9 246	6,6	576
-Household appliances	1,2	129,4	124,5	-3,8	0,0	3 237	3 130	-3,3	-107
Electrical machinery	2,7	97,9	112,7	15,1	0,4	10 681	12 944	21,2	2 263
Radio, television and communication apparatus and professional equipment	1,3	109,8	110,1	0,3	0,0	4 367	4 509	3,3	142
-Radio, television and communication apparatus	0,7	94,1	98,1	4,3	0,0	2 447	2 575	5,2	128
-Professional equipment	0,6	125,8	122,2	-2,9	0,0	1 920	1 934	0,7	14
Motor vehicles, parts and accessories and other transport equipment	8,6	142,2	143,6	1,0	0,1	56 172	62 598	11,4	6 426
-Motor vehicles	4,1	138,7	130,2	-6,1	-0,3	27 928	30 181	8,1	2 253
-Bodies for motor vehicles, trailers and semi-trailers	0,4	205,1	212,6	3,7	0,0	2 287	2 425	6,0	138
-Parts and accessories	3,1	151,7	163,9	8,0	0,2	21 747	25 078	15,3	3 331
-Other transport equipment	1,0	103,1	109,9	6,6	0,0	4 210	4 914	16,7	704
Furniture and other manufacturing division	5,8	105,9	109,0	2,9	0,2	16 335	18 202	11,4	1 867
-Furniture	1,6	122,4	121,7	-0,6	0,0	3 287	3 322	1,1	35
-Other manufacturing groups	4,2	99,7	104,1	4,4	0,2	13 048	14 880	14,0	1 832
Total	100,0	117,0	120,9	3,3	3,3	345 099	407 886	18,2	62 787

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 April 2008 was 84,3%. Improved response rate for March 2008 was 86,7%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

Survey methodology and design

- 11 The survey is conducted monthly. Questionnaires are sent to a sample of approximately 3 100 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up non-respondents.
- 12 The value of sales of manufactured products is obtained monthly from the sample of 3 046 enterprises, which was drawn in May 2007 from a population then of 56 801 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, and for size groups three and four (small) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size groups two, three and four of that major group to reflect the total value of sales of the major group.
- 13 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the Production Price Index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 14 More direct indicators are used for the value of production of tobacco, coke and refined petroleum products, basic iron and steel products, basic precious and non-ferrous metal products, motor vehicles and parts and accessories for motor vehicles. The volume indices for these major groups are calculated on the basis of physical quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

Weighting methodology

- 15 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form division estimates. These procedures, which are in line with international best practice, are described in more detail on the Stats SA website at www.statssa.gov.za/publications/publicationsearch.asp.
- 16 For indices, a weight is calculated for every major group according to the value added of the major group relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing or large sample survey of the manufacturing industry. For the period 1996 to 2000, the weights are based on the 1996 Census of Manufacturing and for the period 2001 to 2008, the weights are based on the 2001 large sample survey of the manufacturing industry. Weights between census years are fixed. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total physical volume of manufacturing production (see table E for the fixed weights which were used for the two periods 1996 to 2000 and 2001 to 2008).

Seasonal adjustment

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

adjusted estimates may not be reliable indicators of trend behaviour.

- Trend cycle** **18** The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.
- Reliability of estimates** **19** Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.
- 20** Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.
- Revised figures** **21** Revised figures are due to late submission of data to Stats SA, or to respondents reporting revisions or corrections to their figures. Preliminary figures are indicated in the relevant tables. Data are edited at the enterprise level.
- Related publications** **22** Users may also wish to refer to the following publications available from Stats SA -
- *Bulletin of Statistics* issued quarterly.
 - *SA Statistics* issued annually.
- Rounding of figures** **23** The figures in the tables have, where necessary, been rounded to the nearest digit shown.
- Pre-release policy** **24** Stats SA's pre-release policy may be inspected at its website, www.statssa.gov.za
- Symbols and abbreviations** **25**
- | | |
|----------|---|
| GDP | Gross Domestic Product |
| ISIC | International Standard Industrial Classification |
| m | Million |
| SIC | Standard Industrial Classification of all Economic Activities |
| SARS | South African Revenue Service |
| Stats SA | Statistics South Africa |
| VAT | Value-added tax |
| 1/ | Preliminary figures |
| * | Revised figures |

Technical notes

26 Neyman optimal allocation

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

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

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

Class limits: Manufacturing

Enterprise size	Lower limits	Upper limits
Very small	0	10 000 000
Small	10 000 001	26 000 000
Medium	26 000 001	127 500 000
Large	127 500 001	

Glossary

Enterprise	The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.
Index of physical volume of manufacturing production	The index of physical volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The base period is 2000. The production in the base period is set at 100.
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts (SNA)</i> in the same way as in the <i>1993 Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).
Intermediate consumption	Intermediate consumption includes - <ul style="list-style-type: none">• purchases and transfers-in of materials;• payments to other establishments for work done;• other direct factory costs;• rent and leasing paid;• head office charges;• royalties, copyright, trade names and patent rights paid;• advertising;• insurance premiums;• services; and• secretarial and administrative fees.
Output	Output is the aggregate value of goods manufactured and work done and includes - <ul style="list-style-type: none">• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;• repairs;• installation, erection and assembly;• sundry trading revenue;• sales of factored goods minus purchases of factored goods;• rent and leasing received;• royalties received;• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;• head office charges; and• other revenue. 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

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