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SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

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

Estimates	October 2008	% change between October 2007 and October 2008	% change between August to October 2007 and August to October 2008	% change between January to October 2007 and January to October 2008
Physical volume of manufacturing production index (2000=100)	138,1	-1,6	1,1	2,7
Total value of sales of manufactured products (R million)	126 236	16,7	20,9	21,2

Seasonally adjusted estimates	October 2008	% change between September and October 2008	% change between May to July 2008 and August to October 2008
Physical volume of manufacturing production index (2000=100)	125,4	-0,3	-2,2
Total value of sales of manufactured products (R million)	115 797	-0,2	-0,9

Manufacturing production slows down

The estimated seasonally adjusted manufacturing production for the three months ended October 2008 decreased by 2,2% compared with the previous three months. Lower production levels were reported by seven of the ten manufacturing divisions. Manufacturing production for October 2008 decreased by 1,6% compared with October 2007. Manufacturing production for January to October 2008 increased by 2,7% compared with the same period in 2007, which was lower than the annual increase of 3,2% reported for the period January to September 2008.

The major contributor to the seasonally adjusted decrease of 2,2% in total manufacturing production for the three months ended October 2008 compared with the previous three months was the basic iron and steel, non-ferrous metal products, metal products and machinery division (contributing -0,9 of a percentage point), followed by the petroleum, chemical products, rubber and plastic products division (contributing -0,6 of a percentage point), the motor vehicles, parts and accessories and other transport equipment division (contributing -0,5 of a percentage point) and the furniture and 'other' manufacturing division (contributing -0,2 of a percentage point) (see Table B).

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

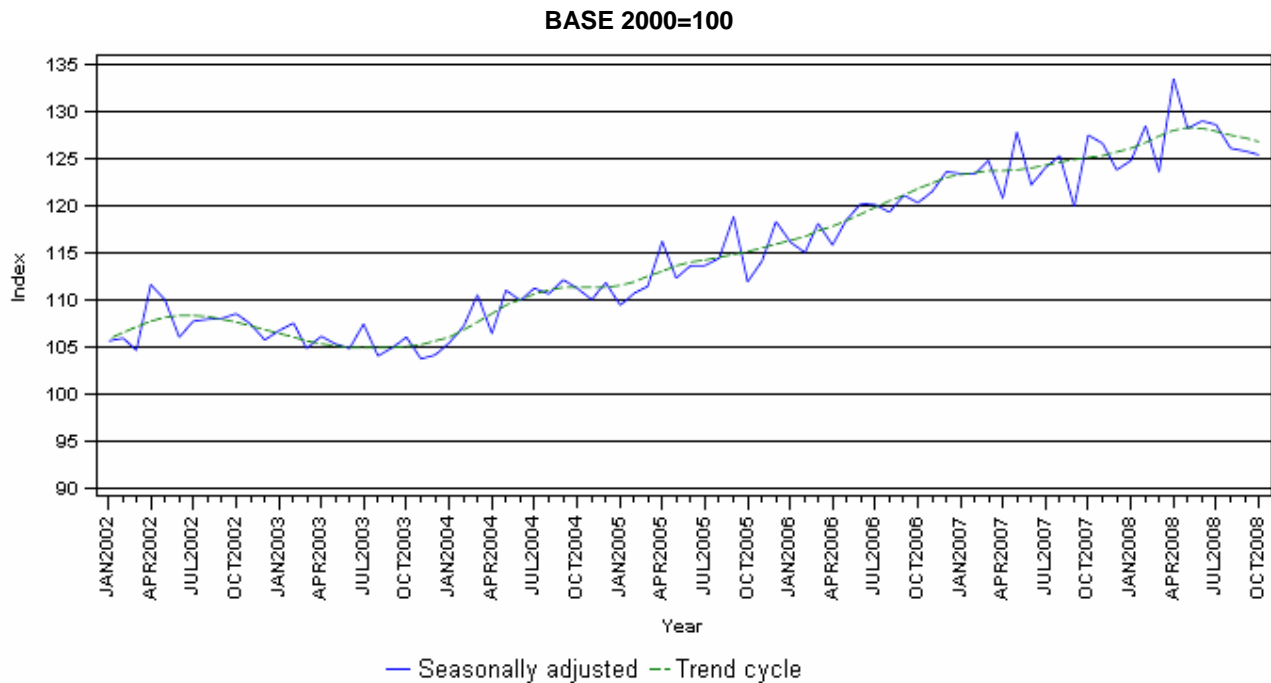
(Base 2000=100)

Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2001	Average seasonally adjusted production index for May to July 2008	Average seasonally adjusted production index for August to October 2008	Quarterly percentage change of August to October 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	131,5	130,4	-0,8	-0,1
-Food and food products	12,1	123,5	120,8	-2,2	-0,3
-Beverages	4,3	153,9	157,2	2,1	0,1
Textiles, clothing, leather and footwear	5,4	101,6	99,8	-1,8	-0,1
-Textiles	2,4	94,9	93,2	-1,8	0,0
-Wearing apparel	2,3	110,5	108,8	-1,5	0,0
-Leather and leather products	0,3	104,1	99,0	-4,9	0,0
-Footwear	0,4	89,5	90,0	0,6	0,0
Wood and wood products, paper, publishing and printing	11,0	119,7	121,5	1,5	0,2
-Wood and products of wood	1,7	121,0	118,4	-2,1	0,0
-Paper and paper products	4,8	127,9	131,3	2,7	0,1
-Publishing and printing	4,6	110,6	112,3	1,5	0,1
Petroleum, chemical products, rubber and plastic products	22,5	137,6	134,0	-2,6	-0,6
-Coke, petroleum products and nuclear fuel	9,1	100,9	93,9	-6,9	-0,6
-Basic chemicals	4,0	186,8	179,2	-4,1	-0,2
-Other chemical products	5,4	151,0	153,9	1,9	0,1
-Rubber products	1,1	88,7	84,3	-5,0	-0,1
-Plastic products	3,0	179,2	179,5	0,2	0,0
Glass and non-metallic mineral products	3,9	133,5	137,1	2,7	0,1
-Glass and glass products	1,1	157,9	175,4	11,1	0,1
-Non-metallic mineral products	2,9	124,4	122,8	-1,3	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	125,0	119,7	-4,2	-0,9
-Basic iron and steel products	5,5	113,7	102,2	-10,1	-0,6
-Basic precious, non-ferrous metal products	4,7	111,7	111,8	0,1	0,0
-Fabricated metal products	5,5	147,8	140,9	-4,7	-0,3
-Machinery and equipment	6,7	124,8	122,6	-1,8	-0,1
Electrical machinery	2,7	119,5	121,4	1,6	0,0
Radio, television and communication apparatus and professional equipment	1,3	122,6	120,8	-1,5	0,0
-Radio, television and communication apparatus	0,7	109,9	108,3	-1,5	0,0
-Professional equipment	0,6	135,4	133,5	-1,4	0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	141,7	133,0	-6,1	-0,5
-Motor vehicles, trailers, parts and accessories	7,6	147,3	137,2	-6,9	-0,5
-Other transport equipment	1,0	98,9	101,1	2,2	0,0
Furniture and other manufacturing division	5,8	124,4	121,0	-2,7	-0,2
-Furniture	1,6	143,2	139,0	-2,9	0,0
-Other manufacturing groups	4,2	117,3	114,2	-2,6	-0,1
Total	100,0	128,6	125,8	-2,2	-2,2

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 2002 and October 2008.

Figure 1 – Index of the physical volume of manufacturing production



Seasonally adjusted sales of manufactured products decrease

The estimated total value of sales of manufactured products at current prices for the three months ended October 2008 decreased by 0,9% (-R3 162 million), after seasonal adjustment, compared with the previous three months. Lower manufacturing sales were reported by six of the ten manufacturing divisions during this period (see Table C).

The seasonally adjusted decrease of 0,9% in the total value of sales of manufactured products at current prices for the three months ended October 2008 compared with the previous three months was mainly due to decreases reported for the motor vehicles, parts and accessories and other transport equipment division (-8,9% or -R4 518 million), the basic iron and steel, non-ferrous metal products, metal products and machinery division (-1,5% or -R1 196 million) and the petroleum, chemical products, rubber and plastic products division (-1,4% or -R1 224 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 May to July 2008	Seasonally adjusted sales August to October 2008	Percentage change between May to July 2008 and August to October 2008	Difference in seasonally adjusted sales of manufacturing divisions between May to July 2008 and August to October 2008
	R '000	R '000		R '000
Food and beverages	57 750 671	60 403 309	4,6	2 652 638
-Food and food products	43 830 129	45 681 937	4,2	1 851 808
-Beverages	13 920 541	14 721 372	5,8	800 831
Textiles, clothing, leather and footwear	10 488 572	10 430 869	-0,6	-57 703
-Textiles	4 199 911	4 252 657	1,3	52 746
-Wearing apparel	4 348 437	4 210 816	-3,2	-137 621
-Leather and leather products	1 084 098	1 072 635	-1,1	-11 463
-Footwear	856 125	894 761	4,5	38 636
Wood and wood products, paper, publishing and printing	27 502 573	28 865 102	5,0	1 362 529
-Wood and products of wood	6 633 234	6 647 878	0,2	14 644
-Paper and paper products	11 985 077	12 899 451	7,6	914 374
-Publishing and printing	8 884 263	9 317 773	4,9	433 510
Petroleum, chemicals products, rubber and plastic products	86 027 182	84 803 654	-1,4	-1 223 528
-Coke, petroleum products and nuclear fuel	36 934 915	32 757 694	-11,3	-4 177 221
-Basic chemicals	19 975 646	21 239 370	6,3	1 263 724
-Other chemical products	15 581 380	16 644 447	6,8	1 063 067
-Rubber products	2 993 655	3 051 323	1,9	57 668
-Plastic products	10 541 584	11 110 821	5,4	569 237
Glass and non-metallic mineral products	8 767 633	9 210 259	5,0	442 626
-Glass and glass products	1 499 894	1 673 746	11,6	173 852
-Non-metallic mineral products	7 267 740	7 536 513	3,7	268 773
Basic iron and steel, non-ferrous metal products, metal products and machinery	80 249 509	79 053 126	-1,5	-1 196 383
-Basic iron and steel products	36 438 978	34 675 991	-4,8	-1 762 987
-Basic precious, non-ferrous metal products	10 830 718	11 274 094	4,1	443 376
-Fabricated metal products	17 907 000	17 963 546	0,3	56 546
-Machinery and equipment	15 072 812	15 139 495	0,4	66 683
Electrical machinery	10 088 043	10 176 638	0,9	88 595
Radio, television and communication apparatus and professional equipment	3 573 923	3 542 502	-0,9	-31 421
-Radio, television and communication apparatus	1 647 628	1 614 430	-2,0	-33 198
-Professional equipment	1 926 296	1 928 072	0,1	1 776
Motor vehicles, parts and accessories and other transport equipment	50 595 923	46 077 985	-8,9	-4 517 938
-Motor vehicles, trailers, parts and accessories	47 080 324	42 348 839	-10,0	-4 731 485
-Other transport equipment	3 515 601	3 729 146	6,1	213 545
Furniture and other manufacturing division	16 402 147	15 721 087	-4,2	-681 060
-Furniture	3 427 844	3 469 752	1,2	41 908
-Other manufacturing groups	12 974 304	12 251 334	-5,6	-722 970
Total	351 446 175	348 284 531	-0,9	-3 161 644

Sales of manufactured products at current prices increase

The value of sales of manufactured products at current prices for the three months ended October 2008 was 20,9% (R63 532 million) higher than for the three months ended October 2007 (see Table D). Increased sales were reflected in all divisions.

The major contributors to the increase of 20,9% in sales of manufactured products at current prices for the three months ended October 2008 compared with the three months ended October 2007 were the petroleum, chemical products, rubber and plastic products division (+8,1 percentage points or +R24 500 million), the basic iron and steel, non-ferrous metal products, metal products and machinery division (+5,5 percentage points or +R16 759 million), the food and beverages division (+3,7 percentage points or +R11 219 million) and the wood and wood products, paper, publishing and printing division (+1,3 percentage points or +R3 794 million) (see Table D).

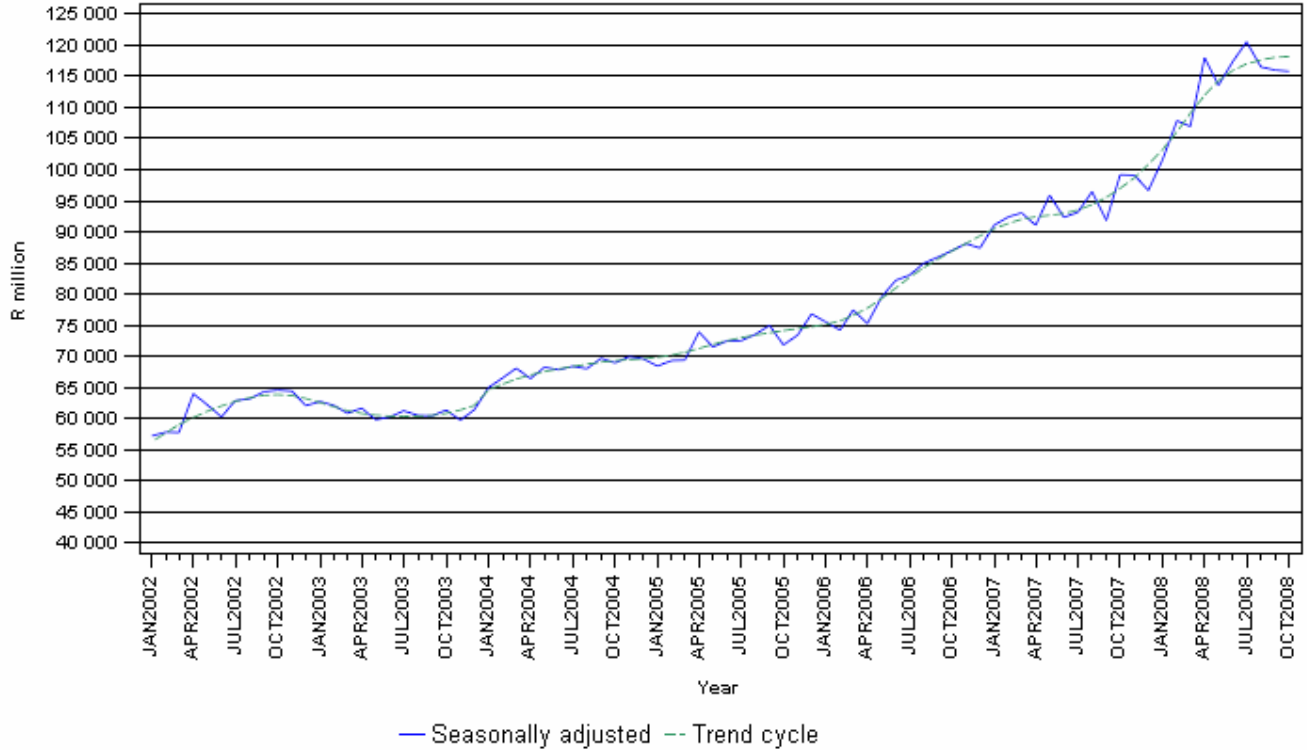
Table D – Contribution of the manufacturing divisions and major groups to the total value of sales of manufactured products at current prices

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products August to October 2007	Percentage change between August to October 2007 and August to October 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 August to October 2007 and August to October 2008
				R '000
Food and beverages	16,6	22,2	3,7	11 218 587
-Food and food products	12,5	24,3	3,0	9 178 850
-Beverages	4,2	16,0	0,7	2 039 737
Textiles, clothing, leather and footwear	3,7	1,2	0,0	133 044
-Textiles	1,5	-0,8	0,0	-37 695
-Wearing apparel	1,5	2,2	0,0	97 154
-Leather and leather products	0,4	-2,9	0,0	-32 811
-Footwear	0,3	11,3	0,0	106 396
Wood and wood products, paper, publishing and printing	8,9	14,1	1,3	3 793 575
-Wood and products of wood	2,3	2,1	0,0	150 934
-Paper and paper products	3,5	28,4	1,0	2 996 100
-Publishing and printing	3,0	7,0	0,2	646 541
Petroleum, chemicals products, rubber and plastic products	21,5	37,6	8,1	24 500 418
-Coke, petroleum products and nuclear fuel	7,7	46,2	3,6	10 855 485
-Basic chemicals	4,8	54,0	2,6	7 938 385
-Other chemical products	4,8	19,5	0,9	2 863 986
-Rubber products	0,8	22,9	0,2	590 621
-Plastic products	3,2	23,4	0,7	2 251 941
Glass and non-metallic mineral products	3,0	11,6	0,3	1 049 631
-Glass and glass products	0,5	19,4	0,1	304 403
-Non-metallic mineral products	2,5	10,0	0,3	745 228
Basic iron and steel, non-ferrous metal products, metal products and machinery	21,7	25,4	5,5	16 758 797
-Basic iron and steel products	7,8	50,9	4,0	12 008 301
-Basic precious, non-ferrous metal products	3,4	14,1	0,5	1 438 276
-Fabricated metal products	5,5	16,5	0,9	2 738 663
-Machinery and equipment	5,1	3,7	0,2	573 557
Electrical machinery	3,1	16,0	0,5	1 492 527
Radio, television and communication apparatus and professional equipment	1,2	4,5	0,1	160 052
-Radio, television and communication apparatus	0,5	8,0	0,0	126 581
-Professional equipment	0,7	1,7	0,0	33 471
Motor vehicles, parts and accessories and other transport equipment	15,5	5,6	0,9	2 626 012
-Motor vehicles, trailers, parts and accessories	14,4	4,7	0,7	2 059 219
-Other transport equipment	1,1	17,6	0,2	566 793
Furniture and other manufacturing division	4,9	12,0	0,6	1 799 210
-Furniture	1,2	5,8	0,1	215 542
-Other manufacturing groups	3,7	14,1	0,5	1 583 668
Total	100,0	20,9	20,9	63 531 853

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 2002 and October 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	130,7
Jul	108,8	108,7	113,0	115,5	122,2	126,1	130,6
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	1/ 129,7
Oct	119,6	116,7	122,5	123,2	132,6	140,3	1/ 138,1
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	3,6
Aug	-	-3,2	7,0	4,0	4,7	5,1	0,4
Sep	-	-2,4	6,7	5,9	2,1	-1,3	4,7
Oct	-	-2,4	5,0	0,6	7,6	5,8	-1,6
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	109,4	116,1	123,4	124,8
Feb	105,9	107,6	107,2	110,7	115,0	123,4	128,5
Mar	104,7	104,9	110,5	111,4	118,1	124,8	123,6
Apr	112,0	106,8	106,4	116,2	115,8	120,8	133,5
May	110,0	105,3	111,0	112,3	118,5	127,8	128,2
Jun	106,0	104,7	109,9	113,6	120,2	122,2	129,0
Jul	107,5	107,2	111,2	113,6	120,1	124,0	128,6
Aug	107,7	103,8	110,6	114,4	119,3	125,3	126,1
Sep	108,0	105,2	112,1	118,8	121,1	119,9	125,8
Oct	108,6	106,0	111,2	111,9	120,3	127,5	125,4
Nov	107,5	103,6	110,0	114,1	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		
			October 2007	1/ September 2008	1/ October 2008	October 2007	September 2008	October 2008
Food and beverages	16,4	124,5	136,1	133,9	147,3	124,6	128,6	135,0
-Meat, fish, fruit etc.	2,6	130,7	131,4	135,8	146,3	131,4	139,4	146,4
-Dairy products	1,1	112,3	121,9	116,5	129,2	111,6	112,9	118,1
-Grain mill products	1,5	129,4	131,1	136,0	138,5	129,5	134,0	136,7
-Other food products	6,8	111,2	130,3	122,8	135,2	111,1	110,3	114,9
-Beverages	4,3	143,1	153,6	154,0	174,9	143,4	153,2	163,7
Textiles, clothing, leather and footwear	5,4	102,6	120,2	103,4	116,5	104,2	97,9	100,9
-Textiles	1,2	80,0	84,7	71,8	84,1	78,0	64,7	77,6
-Other textile products	1,2	119,5	143,9	111,0	133,0	123,7	111,1	114,2
-Knitted, crocheted articles	0,3	82,6	93,8	85,2	101,8	82,7	83,4	89,6
-Wearing apparel	2,0	113,8	133,8	121,6	132,6	114,3	113,7	113,4
-Leather and leather products	0,3	101,6	119,8	101,8	94,5	110,8	103,2	87,3
-Footwear	0,4	84,9	113,5	102,2	117,0	89,9	89,5	92,2
Wood and wood products, paper, publishing and printing	11,0	117,5	127,5	126,7	133,7	116,7	121,7	123,0
-Sawmilling and planing of wood	0,7	116,4	124,4	107,0	118,9	115,0	105,0	109,6
-Products of wood	1,0	134,9	153,1	135,5	145,1	135,5	127,3	128,7
-Paper and paper products	4,8	113,5	117,7	138,0	137,6	113,4	131,9	133,1
-Publishing	2,4	123,9	133,5	119,6	124,6	121,2	116,0	113,1
-Printing, recorded media	2,1	111,4	131,6	112,0	134,6	110,7	108,5	113,1
Petroleum, chemical products, rubber and plastic products	22,5	124,1	142,8	133,6	143,0	132,1	134,9	131,3
-Coke, petroleum products and nuclear fuel	9,1	97,0	109,4	84,0	84,8	108,2	94,6	83,7
-Basic chemicals	4,0	142,3	162,8	183,6	210,1	143,2	182,5	185,7
-Other chemical products	5,4	139,6	160,2	161,2	173,2	143,9	155,5	155,5
-Rubber products	1,1	82,9	93,3	87,9	86,9	88,7	85,0	82,6
-Plastic products	3,0	170,6	206,3	186,3	198,5	186,2	177,1	179,3
Glass and non-metallic mineral products	3,9	136,6	151,1	144,9	158,2	134,7	135,4	141,0
-Glass and glass products	1,1	155,0	173,7	181,4	211,5	154,2	170,2	187,9
-Non-metallic mineral products	2,9	129,7	142,7	131,3	138,3	127,5	122,5	123,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	126,3	136,9	122,8	126,7	126,0	120,3	116,2
-Basic iron and steel products	5,5	111,8	115,4	103,6	88,6	108,5	103,5	83,3
-Non-ferrous metal products	4,7	118,9	123,1	111,2	116,3	119,2	111,6	112,8
-Structural metal products	1,3	137,7	164,3	151,0	155,0	146,6	140,9	137,2
-Other fabricated metal products	4,2	140,7	163,5	146,7	163,1	145,3	143,9	144,5
-General purpose machinery	2,4	119,8	133,9	105,5	109,7	120,5	98,8	98,5
-Special purpose machinery	3,2	143,0	147,6	139,7	155,9	136,0	136,5	143,3
-Household appliances	1,2	130,0	146,5	133,3	144,8	128,5	128,7	127,1
-Electrical machinery	2,7	106,6	127,6	133,4	130,8	114,0	126,1	117,1
Radio, television and communication apparatus and professional equipment	1,3	116,9	123,6	127,2	134,5	114,4	117,7	124,7
-Radio, television and communication apparatus	0,7	100,3	105,0	113,3	119,5	96,7	105,8	110,7
-Professional equipment	0,6	133,7	142,4	141,3	149,8	132,4	129,7	138,9
Motor vehicles, parts and accessories and other transport equipment	8,6	144,7	180,5	138,9	147,9	163,1	135,1	133,3
-Motor vehicles	4,1	140,7	179,8	135,9	155,6	156,8	134,6	135,6
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,2	258,7	275,4	278,4	228,3	249,9	244,1
-Parts and accessories	3,1	154,5	194,1	140,8	133,0	183,4	134,1	126,5
-Other transport equipment	1,0	103,1	111,5	94,0	113,4	101,0	97,1	103,5
Furniture and other manufacturing division	5,8	120,1	140,6	135,0	140,9	118,2	118,2	120,1
-Furniture	1,6	142,6	183,0	146,2	178,1	142,0	137,0	137,9
-Other manufacturing groups	4,2	111,6	124,7	130,8	126,9	109,2	111,1	113,5
Total	100,0	124,2	140,3	129,7	138,1	127,5	125,8	125,4

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		
			October 2007	1/ October 2008	Percentage difference between October 2007 and October 2008	September 2008	October 2008	Percentage difference between September and October 2008
Food and beverages	16,4	124,5	136,1	147,3	8,2	128,6	135,0	5,0
-Meat, fish, fruit etc.	2,6	130,7	131,4	146,3	11,3	139,4	146,4	5,0
-Dairy products	1,1	112,3	121,9	129,2	6,0	112,9	118,1	4,6
-Grain mill products	1,5	129,4	131,1	138,5	5,6	134,0	136,7	2,0
-Other food products	6,8	111,2	130,3	135,2	3,8	110,3	114,9	4,2
-Beverages	4,3	143,1	153,6	174,9	13,9	153,2	163,7	6,9
Textiles, clothing, leather and footwear	5,4	102,6	120,2	116,5	-3,1	97,9	100,9	3,1
-Textiles	1,2	80,0	84,7	84,1	-0,7	64,7	77,6	19,9
-Other textile products	1,2	119,5	143,9	133,0	-7,6	111,1	114,2	2,8
-Knitted, crocheted articles	0,3	82,6	93,8	101,8	8,5	83,4	89,6	7,4
-Wearing apparel	2,0	113,8	133,8	132,6	-0,9	113,7	113,4	-0,3
-Leather and leather products	0,3	101,6	119,8	94,5	-21,1	103,2	87,3	-15,4
-Footwear	0,4	84,9	113,5	117,0	3,1	89,5	92,2	3,0
Wood and wood products, paper, publishing and printing	11,0	117,5	127,5	133,7	4,9	121,7	123,0	1,1
-Sawmilling and planing of wood	0,7	116,4	124,4	118,9	-4,4	105,0	109,6	4,4
-Products of wood	1,0	134,9	153,1	145,1	-5,2	127,3	128,7	1,1
-Paper and paper products	4,8	113,5	117,7	137,6	16,9	131,9	133,1	0,9
-Publishing	2,4	123,9	133,5	124,6	-6,7	116,0	113,1	-2,5
-Printing, recorded media	2,1	111,4	131,6	134,6	2,3	108,5	113,1	4,2
Petroleum, chemical products, rubber and plastic products	22,5	124,1	142,8	143,0	0,1	134,9	131,3	-2,7
-Coke, petroleum products and nuclear fuel	9,1	97,0	109,4	84,8	-22,5	94,6	83,7	-11,5
-Basic chemicals	4,0	142,3	162,8	210,1	29,1	182,5	185,7	1,8
-Other chemical products	5,4	139,6	160,2	173,2	8,1	155,5	155,5	0,0
-Rubber products	1,1	82,9	93,3	86,9	-6,9	85,0	82,6	-2,8
-Plastic products	3,0	170,6	206,3	198,5	-3,8	177,1	179,3	1,2
Glass and non-metallic mineral products	3,9	136,6	151,1	158,2	4,7	135,4	141,0	4,1
-Glass and glass products	1,1	155,0	173,7	211,5	21,8	170,2	187,9	10,4
-Non-metallic mineral products	2,9	129,7	142,7	138,3	-3,1	122,5	123,5	0,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	126,3	136,9	126,7	-7,5	120,3	116,2	-3,4
-Basic iron and steel products	5,5	111,8	115,4	88,6	-23,2	103,5	83,3	-19,5
-Non-ferrous metal products	4,7	118,9	123,1	116,3	-5,5	111,6	112,8	1,1
-Structural metal products	1,3	137,7	164,3	155,0	-5,7	140,9	137,2	-2,6
-Other fabricated metal products	4,2	140,7	163,5	163,1	-0,2	143,9	144,5	0,4
-General purpose machinery	2,4	119,8	133,9	109,7	-18,1	98,8	98,5	-0,3
-Special purpose machinery	3,2	143,0	147,6	155,9	5,6	136,5	143,3	5,0
-Household appliances	1,2	130,0	146,5	144,8	-1,2	128,7	127,1	-1,2
Electrical machinery	2,7	106,6	127,6	130,8	2,5	126,1	117,1	-7,1
Radio, television and communication apparatus and professional equipment	1,3	116,9	123,6	134,5	8,8	117,7	124,7	5,9
-Radio, television and communication apparatus	0,7	100,3	105,0	119,5	13,8	105,8	110,7	4,6
-Professional equipment	0,6	133,7	142,4	149,8	5,2	129,7	138,9	7,1
Motor vehicles, parts and accessories and other transport equipment	8,6	144,7	180,5	147,9	-18,1	135,1	133,3	-1,3
-Motor vehicles	4,1	140,7	179,8	155,6	-13,5	134,6	135,6	0,7
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,2	258,7	278,4	7,6	249,9	244,1	-2,3
-Parts and accessories	3,1	154,5	194,1	133,0	-31,5	134,1	126,5	-5,7
-Other transport equipment	1,0	103,1	111,5	113,4	1,7	97,1	103,5	6,6
Furniture and other manufacturing division	5,8	120,1	140,6	140,9	0,2	118,2	120,1	1,6
-Furniture	1,6	142,6	183,0	178,1	-2,7	137,0	137,9	0,7
-Other manufacturing groups	4,2	111,6	124,7	126,9	1,8	111,1	113,5	2,2
Total	100,0	124,2	140,3	138,1	-1,6	125,8	125,4	-0,3

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	118 895 452
Jul	64 595 172	63 121 052	68 962 693	73 306 407	84 166 082	94 457 875	122 517 062
Aug	66 054 568	63 133 885	69 723 627	75 677 432	87 784 628	99 753 483	1/ 120 626 266
Sep	68 466 542	64 724 012	72 859 146	78 504 917	89 792 711	95 566 455	1/ 120 196 319
Oct	72 908 893	69 446 223	75 511 320	78 553 072	94 992 441	108 206 596	1/ 126 235 802
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	817 701 549	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	29,7
Aug	-	-4,4	10,4	8,5	16,0	13,6	20,9
Sep	-	-5,5	12,6	7,7	14,4	6,4	25,8
Oct	-	-4,7	8,7	4,0	20,9	13,9	16,7
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	58 703 923	64 407 483	64 994 371	68 442 560	75 518 906	91 090 541	101 621 794
Feb	59 546 203	63 988 565	66 561 511	69 326 745	74 211 407	92 418 997	107 855 067
Mar	59 367 895	62 544 405	68 099 669	69 373 788	77 437 202	93 047 098	106 949 767
Apr	65 842 839	63 833 050	66 424 586	73 925 676	75 270 947	91 079 165	117 997 352
May	63 820 494	61 602 767	68 262 929	71 508 753	79 435 740	95 900 331	113 557 140
Jun	61 820 126	61 911 317	67 841 369	72 486 574	82 195 542	92 343 962	117 364 381
Jul	64 513 352	62 884 676	68 408 383	72 501 740	83 023 302	93 136 520	120 524 654
Aug	64 876 826	61 888 192	68 020 198	73 528 874	84 944 598	96 451 079	116 503 515
Sep	65 940 155	62 054 210	69 691 444	74 973 099	85 942 343	91 848 902	115 984 478
Oct	66 446 776	63 327 093	68 951 817	71 836 930	86 981 609	99 187 445	115 796 538
Nov	66 112 400	61 288 341	69 961 531	73 424 409	88 115 003	99 113 571	
Dec	63 794 752	63 135 953	69 617 738	76 819 171	87 394 230	96 661 160	

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		
		October 2007	1/ September 2008	1/ October 2008	October 2007	September 2008	October 2008
Food and beverages	191 280 333	18 016 843	20 095 910	21 911 182	16 888 283	20 003 721	20 538 331
-Meat, fish, fruit etc.	47 533 498	4 425 918	5 183 918	5 688 026	4 121 765	5 143 192	5 296 512
-Dairy products	16 243 788	1 571 101	1 644 812	1 766 949	1 453 186	1 608 079	1 630 302
-Grain mill products	35 331 934	3 391 692	4 139 214	4 298 056	3 344 795	4 183 281	4 232 649
-Other food products	42 111 462	4 078 726	4 348 522	4 731 329	3 698 772	4 295 446	4 278 582
-Beverages	50 059 651	4 549 406	4 779 444	5 426 822	4 269 764	4 773 723	5 100 287
Textiles, clothing, leather and footwear	40 680 698	4 008 319	3 555 711	4 078 538	3 488 188	3 423 740	3 546 642
-Textiles	6 541 155	604 711	571 502	649 101	545 944	547 581	585 582
-Other textile products	10 292 874	1 008 498	808 194	985 347	889 180	825 543	867 473
-Knitted, crocheted articles	1 828 314	171 150	157 899	188 142	155 736	158 282	170 067
-Wearing apparel	14 627 431	1 457 387	1 313 641	1 491 026	1 247 611	1 229 807	1 278 435
-Leather and leather products	4 228 274	417 058	366 672	378 807	373 046	365 230	339 898
-Footwear	3 162 650	349 515	337 803	386 115	276 671	297 296	305 187
Wood and wood products, paper, publishing and printing	100 400 647	9 347 884	10 253 317	10 710 864	8 501 296	9 634 790	9 786 703
-Sawmilling and planing of wood	7 925 755	761 611	708 161	753 125	691 590	695 088	681 736
-Products of wood	17 495 078	1 721 728	1 687 688	1 813 582	1 491 414	1 569 323	1 575 237
-Paper and paper products	40 527 758	3 543 805	4 678 048	4 577 750	3 403 623	4 262 803	4 404 816
-Publishing	15 083 782	1 376 885	1 336 267	1 425 667	1 249 974	1 304 549	1 293 770
-Printing, recorded media	19 368 274	1 943 855	1 843 153	2 140 740	1 664 695	1 803 027	1 831 144
Petroleum, chemical products, rubber and plastic products	239 298 878	23 146 987	29 136 402	30 621 626	21 395 745	27 981 955	28 220 133
-Coke, petroleum products and nuclear fuel	86 358 423	8 045 761	11 033 276	10 233 516	8 004 269	10 619 942	10 175 016
-Basic chemicals	52 421 118	5 224 306	7 425 979	8 689 847	4 544 424	7 084 219	7 581 949
-Other chemical products	54 957 891	5 274 953	5 750 578	6 377 612	4 706 278	5 555 539	5 680 425
-Rubber products	10 217 878	1 004 736	1 036 396	1 064 118	957 090	1 014 110	1 016 514
-Plastic products	35 343 568	3 597 231	3 890 173	4 256 533	3 183 684	3 708 146	3 766 229
Glass and non-metallic mineral products	33 300 539	3 180 915	3 301 022	3 580 171	2 781 522	3 072 905	3 132 065
-Glass and glass products	5 834 297	556 118	620 753	689 578	474 266	554 276	589 350
-Non-metallic mineral products	27 466 242	2 624 797	2 680 269	2 890 593	2 307 256	2 518 629	2 542 715
Basic iron and steel, non-ferrous metal products, metal products and machinery	249 464 213	23 227 065	27 130 342	27 700 606	21 352 100	26 765 530	25 420 700
-Basic iron and steel products	93 724 513	8 470 849	11 893 899	10 993 276	7 897 928	12 091 725	10 222 858
-Non-ferrous metal products	38 935 281	3 524 121	3 653 430	4 212 641	3 293 547	3 633 292	3 930 425
-Structural metal products	19 849 436	1 972 769	2 168 182	2 393 053	1 752 520	2 016 106	2 119 542
-Other fabricated metal products	38 442 763	3 901 859	4 114 619	4 472 055	3 543 011	3 911 687	4 052 361
-General purpose machinery	21 932 921	2 090 660	2 061 874	2 107 747	1 889 263	1 944 341	1 903 492
-Special purpose machinery	26 930 080	2 345 772	2 425 258	2 566 167	2 166 059	2 363 715	2 357 787
-Household appliances	9 649 219	921 035	813 080	955 667	809 772	804 664	834 234
Electrical machinery	33 733 841	3 285 588	3 728 530	3 611 739	3 049 962	3 486 622	3 353 584
Radio, television and communication apparatus and professional equipment	13 324 902	1 165 216	1 254 268	1 289 098	1 103 003	1 152 630	1 221 941
-Radio, television and communication apparatus	5 956 698	522 096	575 409	595 413	483 509	524 123	553 653
-Professional equipment	7 368 204	643 120	678 859	693 685	619 495	628 507	668 288
Motor vehicles, parts and accessories and other transport equipment	176 807 942	17 580 520	16 428 084	16 815 039	15 909 255	15 501 006	15 211 878
-Motor vehicles	87 304 412	8 858 815	8 287 149	8 547 174	7 841 696	7 667 599	7 553 204
-Bodies for motor vehicles, trailers and semi-trailers	9 676 437	955 836	988 893	1 068 295	838 281	903 702	937 311
-Parts and accessories	67 353 836	6 617 942	6 000 242	5 811 087	6 160 653	5 747 283	5 415 351
-Other transport equipment	12 473 257	1 147 927	1 151 800	1 388 483	1 068 624	1 182 422	1 306 012
Furniture and other manufacturing division	55 532 195	5 247 259	5 312 733	5 916 939	4 718 091	4 961 579	5 364 560
-Furniture	13 389 662	1 458 986	1 210 195	1 516 164	1 128 292	1 128 404	1 166 704
-Other manufacturing groups	42 142 533	3 788 273	4 102 538	4 400 775	3 589 799	3 833 175	4 197 857
Total	1 133 824 188	108 206 596	120 196 319	126 235 802	99 187 445	115 984 478	115 796 538

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		
		October 2007	1/ October 2008	Percentage change between October 2007 and October 2008	September 2008	October 2008	Percentage change between September and October 2008
Food and beverages	191 280 333	18 016 843	21 911 182	21,6	20 003 721	20 538 331	2,7
-Meat, fish, fruit etc.	47 533 498	4 425 918	5 688 026	28,5	5 143 192	5 296 512	3,0
-Dairy products	16 243 788	1 571 101	1 766 949	12,5	1 608 079	1 630 302	1,4
-Grain mill products	35 331 934	3 391 692	4 298 056	26,7	4 183 281	4 232 649	1,2
-Other food products	42 111 462	4 078 726	4 731 329	16,0	4 295 446	4 278 582	-0,4
-Beverages	50 059 651	4 549 406	5 426 822	19,3	4 773 723	5 100 287	6,8
Textiles, clothing, leather and footwear	40 680 698	4 008 319	4 078 538	1,8	3 423 740	3 546 642	3,6
-Textiles	6 541 155	604 711	649 101	7,3	547 581	585 582	6,9
-Other textile products	10 292 874	1 008 498	985 347	-2,3	825 543	867 473	5,1
-Knitted, crocheted articles	1 828 314	171 150	188 142	9,9	158 282	170 067	7,4
-Wearing apparel	14 627 431	1 457 387	1 491 026	2,3	1 229 807	1 278 435	4,0
-Leather and leather products	4 228 274	417 058	378 807	-9,2	365 230	339 898	-6,9
-Footwear	3 162 650	349 515	386 115	10,5	297 296	305 187	2,7
Wood and wood products, paper, publishing and printing	100 400 647	9 347 884	10 710 864	14,6	9 634 790	9 786 703	1,6
-Sawmilling and planing of wood	7 925 755	761 611	753 125	-1,1	695 088	681 736	-1,9
-Products of wood	17 495 078	1 721 728	1 813 582	5,3	1 569 323	1 575 237	0,4
-Paper and paper products	40 527 758	3 543 805	4 577 750	29,2	4 262 803	4 404 816	3,3
-Publishing	15 083 782	1 376 885	1 425 667	3,5	1 304 549	1 293 770	-0,8
-Printing, recorded media	19 368 274	1 943 855	2 140 740	10,1	1 803 027	1 831 144	1,6
Petroleum, chemical products, rubber and plastic products	239 298 878	23 146 987	30 621 626	32,3	27 981 955	28 220 133	0,9
-Coke, petroleum products and nuclear fuel	86 358 423	8 045 761	10 233 516	27,2	10 619 942	10 175 016	-4,2
-Basic chemicals	52 421 118	5 224 306	6 689 847	66,3	7 084 219	7 581 949	7,0
-Other chemical products	54 957 891	5 274 953	6 377 612	20,9	5 555 539	5 680 425	2,2
-Rubber products	10 217 878	1 004 736	1 064 118	5,9	1 014 110	1 016 514	0,2
-Plastic products	35 343 568	3 597 231	4 256 533	18,3	3 708 146	3 766 229	1,6
Glass and non-metallic mineral products	33 300 539	3 180 915	3 580 171	12,6	3 072 905	3 132 065	1,9
-Glass and glass products	5 834 297	556 118	689 578	24,0	554 276	589 350	6,3
-Non-metallic mineral products	27 466 242	2 624 797	2 890 593	10,1	2 518 629	2 542 715	1,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	249 464 213	23 227 065	27 700 606	19,3	26 765 530	25 420 700	-5,0
-Basic iron and steel products	93 724 513	8 470 849	10 993 276	29,8	12 091 725	10 222 858	-15,5
-Non-ferrous metal products	38 935 281	3 524 121	4 212 641	19,5	3 633 292	3 930 425	8,2
-Structural metal products	19 849 436	1 972 769	2 393 053	21,3	2 016 106	2 119 542	5,1
-Other fabricated metal products	38 442 763	3 901 859	4 472 055	14,6	3 911 687	4 052 361	3,6
-General purpose machinery	21 932 921	2 090 660	2 107 747	0,8	1 944 341	1 903 492	-2,1
-Special purpose machinery	26 930 080	2 345 772	2 566 167	9,4	2 363 715	2 357 787	-0,3
-Household appliances	9 649 219	921 035	955 667	3,8	804 664	834 234	3,7
-Electrical machinery	33 733 841	3 285 588	3 611 739	9,9	3 486 622	3 353 584	-3,8
Radio, television and communication apparatus and professional equipment	13 324 902	1 165 216	1 289 098	10,6	1 152 630	1 221 941	6,0
-Radio, television and communication apparatus	5 956 698	522 096	595 413	14,0	524 123	553 653	5,6
-Professional equipment	7 368 204	643 120	693 685	7,9	628 507	668 288	6,3
Motor vehicles, parts and accessories and other transport equipment	176 807 942	17 580 520	16 815 039	-4,4	15 501 006	15 211 878	-1,9
-Motor vehicles	87 304 412	8 858 815	8 547 174	-3,5	7 667 599	7 553 204	-1,5
-Bodies for motor vehicles, trailers and semi-trailers	9 676 437	955 836	1 068 295	11,8	903 702	937 311	3,7
-Parts and accessories	67 353 836	6 617 942	5 811 087	-12,2	5 747 283	5 415 351	-5,8
-Other transport equipment	12 473 257	1 147 927	1 388 483	21,0	1 182 422	1 306 012	10,5
Furniture and other manufacturing division	55 532 195	5 247 259	5 916 939	12,8	4 961 579	5 364 560	8,1
-Furniture	13 389 662	1 458 986	1 516 164	3,9	1 128 404	1 166 704	3,4
-Other manufacturing groups	42 142 533	3 788 273	4 400 775	16,2	3 833 175	4 197 857	9,5
Total	1 133 824 188	108 206 596	126 235 802	16,7	115 984 478	115 796 538	-0,2

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)		
		August to October 2007	August to October 2008	Annual percentage change between August to October 2007 and August to October 2008	August to October 2007	August to October 2008	Annual percentage change between August to October 2007 and August to October 2008
Food and beverages	16,4	132,8	137,6	3,6	50 518 395	61 736 982	22,2
-Meat, fish, fruit etc.	2,6	129,0	138,6	7,4	12 513 063	15 895 613	27,0
-Dairy products	1,1	115,9	118,9	2,6	4 434 964	4 925 724	11,1
-Grain mill products	1,5	131,1	135,6	3,4	9 458 443	12 460 577	31,7
-Other food products	6,8	129,9	127,9	-1,5	11 402 878	13 706 284	20,2
-Beverages	4,3	144,8	157,9	9,0	12 709 047	14 748 784	16,0
Textiles, clothing, leather and footwear	5,4	113,2	108,6	-4,1	11 122 038	11 255 082	1,2
-Textiles	1,2	84,9	78,0	-8,1	1 765 693	1 796 184	1,7
-Other textile products	1,2	133,1	123,2	-7,4	2 783 516	2 715 330	-2,4
-Knitted, crocheted articles	0,3	89,3	90,4	1,2	481 535	509 022	5,7
-Wearing apparel	2,0	125,3	123,3	-1,6	4 000 918	4 070 585	1,7
-Leather and leather products	0,3	108,2	100,8	-6,8	1 150 072	1 117 261	-2,9
-Footwear	0,4	104,5	107,0	2,4	940 304	1 046 700	11,3
Wood and wood products, paper, publishing and printing	11,0	122,5	127,6	4,2	26 883 298	30 676 873	14,1
-Sawmilling and planing of wood	0,7	118,7	111,7	-5,9	2 104 126	2 165 316	2,9
-Products of wood	1,0	150,3	138,0	-8,2	4 992 812	5 082 556	1,8
-Paper and paper products	4,8	115,3	135,4	17,4	10 559 490	13 555 590	28,4
-Publishing	2,4	128,7	118,7	-7,8	3 945 423	4 031 538	2,2
-Printing, recorded media	2,1	119,7	120,8	0,9	5 281 447	5 841 873	10,6
Petroleum, chemical products, rubber and plastic products	22,5	130,6	138,7	6,2	65 109 085	89 609 503	37,6
-Coke, petroleum products and nuclear fuel	9,1	99,4	91,7	-7,7	23 485 893	34 341 378	46,2
-Basic chemicals	4,0	152,3	190,7	25,2	14 699 912	22 638 297	54,0
-Other chemical products	5,4	148,4	162,0	9,2	14 718 334	17 582 320	19,5
-Rubber products	1,1	80,6	88,7	10,0	2 576 715	3 167 336	22,9
-Plastic products	3,0	184,2	190,5	3,4	9 628 231	11 880 172	23,4
Glass and non-metallic mineral products	3,9	143,5	147,6	2,9	9 048 879	10 098 510	11,6
-Glass and glass products	1,1	163,0	187,3	14,9	1 565 561	1 869 964	19,4
-Non-metallic mineral products	2,9	136,2	132,9	-2,4	7 483 318	8 228 546	10,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	132,6	125,5	-5,4	65 925 600	82 684 397	25,4
-Basic iron and steel products	5,5	110,8	103,5	-6,6	23 613 625	35 621 926	50,9
-Non-ferrous metal products	4,7	123,4	113,9	-7,7	10 193 237	11 631 513	14,1
-Structural metal products	1,3	155,2	151,6	-2,3	5 692 676	6 745 781	18,5
-Other fabricated metal products	4,2	154,3	150,7	-2,3	10 928 011	12 613 569	15,4
-General purpose machinery	2,4	128,8	107,6	-16,5	5 977 326	6 236 057	4,3
-Special purpose machinery	3,2	148,1	146,4	-1,1	7 003 274	7 268 132	3,8
-Household appliances	1,2	137,3	137,1	-0,1	2 517 451	2 567 419	2,0
Electrical machinery	2,7	117,9	130,6	10,8	9 350 784	10 843 311	16,0
Radio, television and communication apparatus and professional equipment	1,3	124,5	127,3	2,2	3 564 493	3 724 545	4,5
-Radio, television and communication apparatus	0,7	103,0	113,8	10,5	1 582 745	1 709 326	8,0
-Professional equipment	0,6	146,4	141,1	-3,6	1 981 748	2 015 219	1,7
Motor vehicles, parts and accessories and other transport equipment	8,6	149,8	143,3	-4,3	47 053 556	49 679 568	5,6
-Motor vehicles	4,1	144,9	144,5	-0,3	23 383 658	24 715 705	5,7
-Bodies for motor vehicles, trailers and semi-trailers	0,4	236,8	268,8	13,5	2 646 505	3 035 864	14,7
-Parts and accessories	3,1	160,3	139,7	-12,9	17 802 941	18 140 754	1,9
-Other transport equipment	1,0	104,9	103,0	-1,8	3 220 452	3 787 245	17,6
Furniture and other manufacturing division	5,8	131,9	133,5	1,2	14 950 406	16 749 616	12,0
-Furniture	1,6	158,0	157,1	-0,6	3 710 154	3 925 696	5,8
-Other manufacturing groups	4,2	122,1	124,6	2,0	11 240 252	12 823 920	14,1
Total	100,0	131,4	132,8	1,1	303 526 534	367 058 387	20,9

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

	Weights	Indices (base 2000=100)				Value of sales (R million)			
		Jan. to Oct. 2007	Jan. to Oct. 2008	Annual percentage change between 2007 and 2008	Contribution (percentage points)	Jan. to Oct. 2007	Jan. to Oct. 2008	Annual percentage change between 2007 and 2008	Difference in sales between 2007 and 2008
Food and beverages	16,4	123,3	127,6	3,5	0,6	154 012	187 470	21,7	33 458
-Meat, fish, fruit etc.	2,6	130,6	138,8	6,3	0,2	38 646	48 995	26,8	10 349
-Dairy products	1,1	110,8	112,3	1,4	0,0	13 141	15 518	18,1	2 377
-Grain mill products	1,5	129,7	133,0	2,5	0,0	28 585	38 250	33,8	9 665
-Other food products	6,8	111,3	113,2	1,7	0,1	34 008	40 284	18,5	6 276
-Beverages	4,3	138,8	145,4	4,8	0,2	39 633	44 422	12,1	4 789
Textiles, clothing, leather and footwear	5,4	102,4	102,7	0,3	0,0	33 595	34 949	4,0	1 354
-Textiles	1,2	81,6	75,9	-7,0	-0,1	5 533	5 548	0,3	15
-Other textile products	1,2	119,4	118,8	-0,5	0,0	8 588	8 637	0,6	49
-Knitted, crocheted articles	0,3	84,6	88,6	4,7	0,0	1 542	1 680	8,9	138
-Wearing apparel	2,0	111,9	114,5	2,3	0,0	11 833	12 504	5,7	671
-Leather and leather products	0,3	103,2	106,0	2,7	0,0	3 557	3 745	5,3	188
-Footwear	0,4	85,2	89,4	4,9	0,0	2 541	2 834	11,5	293
Wood and wood products, paper, publishing and printing	11,0	116,7	119,2	2,1	0,2	82 864	92 059	11,1	9 195
-Sawmilling and planing of wood	0,7	120,0	111,4	-7,2	-0,1	6 670	6 928	3,9	258
-Products of wood	1,0	136,6	131,1	-4,0	0,0	14 589	15 677	7,5	1 088
-Paper and paper products	4,8	112,1	126,3	12,7	0,6	33 375	40 086	20,1	6 711
-Publishing	2,4	122,4	113,5	-7,3	-0,2	12 333	12 420	0,7	87
-Printing, recorded media	2,1	110,4	106,9	-3,2	-0,1	15 897	16 948	6,6	1 051
Petroleum, chemical products, rubber and plastic products	22,5	122,8	134,1	9,2	2,1	195 207	269 111	37,9	73 904
-Coke, petroleum products and nuclear fuel	9,1	95,0	97,9	3,1	0,3	69 178	108 873	57,4	39 695
-Basic chemicals	4,0	140,4	176,2	25,5	1,0	43 227	64 004	48,1	20 777
-Other chemical products	5,4	139,6	149,4	7,0	0,4	45 303	51 653	14,0	6 350
-Rubber products	1,1	84,4	89,4	5,9	0,1	8 552	9 930	16,1	1 378
-Plastic products	3,0	168,9	178,4	5,6	0,2	28 947	34 650	19,7	5 703
Glass and non-metallic mineral products	3,9	137,1	138,8	1,2	0,0	27 853	30 330	8,9	2 477
-Glass and glass products	1,1	152,5	165,0	8,2	0,1	4 757	5 214	9,6	457
-Non-metallic mineral products	2,9	131,4	129,0	-1,8	-0,1	23 096	25 116	8,7	2 020
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	127,3	124,1	-2,5	-0,6	208 404	257 381	23,5	48 977
-Basic iron and steel products	5,5	112,9	107,4	-4,9	-0,3	78 259	113 185	44,6	34 926
-Non-ferrous metal products	4,7	119,2	113,1	-5,1	-0,2	32 633	35 558	9,0	2 925
-Structural metal products	1,3	137,7	148,0	7,5	0,1	16 545	20 431	23,5	3 886
-Other fabricated metal products	4,2	143,1	144,4	0,9	0,0	32 423	37 697	16,3	5 274
-General purpose machinery	2,4	120,2	108,7	-9,6	-0,2	18 201	19 314	6,1	1 113
-Special purpose machinery	3,2	142,7	143,0	0,2	0,0	22 216	23 269	4,7	1 053
-Household appliances	1,2	132,6	127,6	-3,8	0,0	8 127	7 927	-2,5	-200
Electrical machinery	2,7	107,6	121,2	12,6	0,3	28 260	33 636	19,0	5 376
Radio, television and communication apparatus and professional equipment	1,3	116,9	120,6	3,2	0,0	11 093	11 640	4,9	547
-Radio, television and communication apparatus	0,7	99,2	108,2	9,1	0,1	4 925	5 302	7,7	377
-Professional equipment	0,6	134,9	133,1	-1,3	0,0	6 168	6 339	2,8	171
Motor vehicles, parts and accessories and other transport equipment	8,6	147,0	144,7	-1,6	-0,1	148 701	165 256	11,1	16 555
-Motor vehicles	4,1	142,5	137,9	-3,2	-0,1	73 177	79 793	9,0	6 616
-Bodies for motor vehicles, trailers and semi-trailers	0,4	220,9	245,6	11,2	0,0	8 054	9 039	12,2	985
-Parts and accessories	3,1	157,4	153,9	-2,2	-0,1	56 921	64 218	12,8	7 297
-Other transport equipment	1,0	105,2	106,0	0,8	0,0	10 548	12 205	15,7	1 657
Furniture and other manufacturing division	5,8	118,4	121,4	2,5	0,1	45 652	52 067	14,1	6 415
-Furniture	1,6	139,6	139,4	-0,1	0,0	10 889	11 218	3,0	329
-Other manufacturing groups	4,2	110,4	114,6	3,8	0,2	34 763	40 849	17,5	6 086
Total	100,0	124,0	127,3	2,7	2,7	935 641	1 133 899	21,2	198 258

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 October 2008 was 83,0%. Improved response rate for September 2008 was 85,2%.
- 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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Central Reference Library, Nelspruit
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