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Summary of findings: Manufacturing production and sales

Key figures

Table A – Selected key figures regarding manufacturing production and sales for June 2010

Actual estimates	June 2010	% change between June 2009 and June 2010	% change between April to June 2009 and April to June 2010	% change between January to June 2009 and January to June 2010
Physical volume of manufacturing production index (2005=100)	103,9	8,8	8,5	6,4
Total estimated sales of manufactured products (R million)	106 283	11,6	10,0	6,4

Seasonally adjusted estimates	June 2010	% change between May and June 2010	% change between January to March 2010 and April to June 2010
Physical volume of manufacturing production index (2005=100)	102,7	0,7	0,8
Total value of sales of manufactured products (R million)	104 161	1,2	1,1

Seasonally adjusted manufacturing production for the second quarter of 2010 increased by 0,8% compared with the first quarter of 2010. Higher production levels were reported by eight of the ten manufacturing divisions during this period.

The increase was driven by higher production in the petroleum, chemical products, rubber and plastic products division (2,3% and contributing 0,6 of a percentage point), the food and beverages division (1,7% and contributing 0,3 of a percentage point) and the motor vehicles, parts and accessories and other transport equipment division (2,3% and contributing 0,2 of a percentage point) (see Table B).

Seasonally adjusted manufacturing production rose by 0,7% in June 2010 compared with May 2010. This followed month-on-month changes of 0,5% in May 2010 and -1,3% in April 2010.

Manufacturing production for June 2010 increased by 8,8% compared with June 2009.

The 8,8% increase in manufacturing production for June 2010 compared with June 2009 was mainly due to higher production in the petroleum, chemical products, rubber and plastic products division (13,2% and contributing 3,2 percentage points), the motor vehicles, parts and accessories and other transport equipment division (26,0% and contributing 2,3 percentage points), the basic iron and steel, non-ferrous metal products, metal products and machinery division (8,2% and contributing 1,7 percentage points) and the food and beverage division (7,0% and contributing 1,2 percentage points) (see Table 4b).

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

Base 2005=100

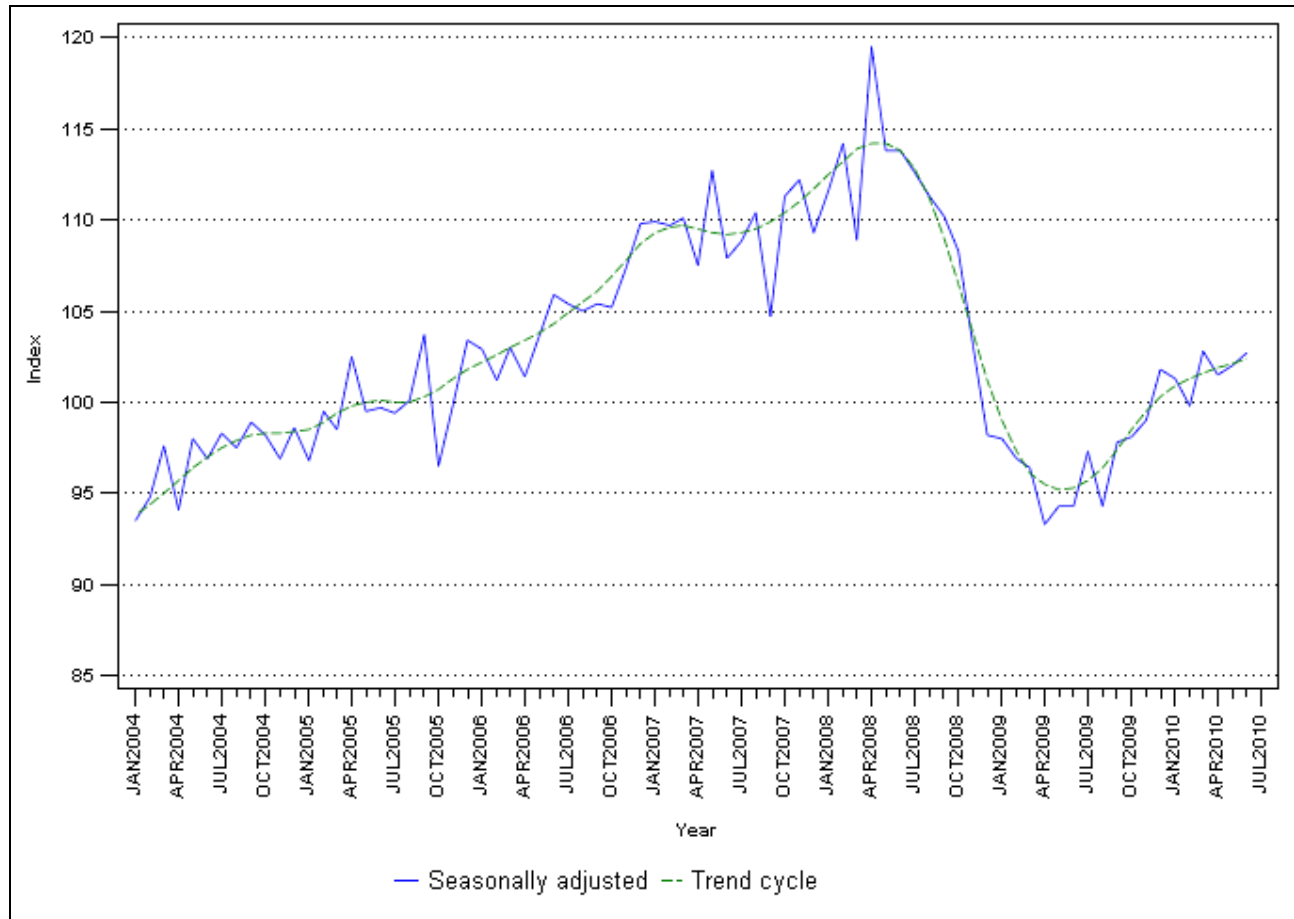
Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2005	Average seasonally adjusted production index for January to March 2010	Average seasonally adjusted production index for April to June 2010	Quarterly percentage change of April to June 2010 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
Food and beverages	15,4	111,5	113,4	1,7	0,3
-Meat, fish, fruit, etc.	1,8	110,4	110,0	-0,4	0,0
-Dairy products	0,8	107,3	108,9	1,5	0,0
-Grain mill products	0,8	109,4	107,9	-1,4	0,0
-Other food products	5,2	107,7	116,4	8,1	0,4
-Beverages	6,8	115,3	113,2	-1,8	-0,1
Textiles, clothing, leather and footwear	4,9	86,1	86,6	0,6	0,0
-Textiles	1,6	74,1	71,9	-3,0	0,0
-Wearing apparel	2,3	90,7	90,1	-0,7	0,0
-Leather and leather products	0,6	85,3	95,7	12,2	0,1
-Footwear	0,4	107,1	108,8	1,6	0,0
Wood and wood products, paper, publishing and printing	10,2	94,1	95,0	1,0	0,1
-Wood and products of wood	2,0	85,5	83,2	-2,7	0,0
-Paper and paper products	3,8	111,3	112,2	0,8	0,0
-Publishing and printing	4,3	82,8	85,2	2,9	0,1
Petroleum, chemical products, rubber and plastic products	22,1	112,7	115,3	2,3	0,6
-Coke, petroleum products and nuclear fuel	8,5	89,5	92,7	3,6	0,3
-Basic chemicals	4,5	125,0	128,5	2,8	0,2
-Other chemical products	5,3	117,1	117,0	-0,1	0,0
-Rubber products	1,0	82,8	83,7	1,1	0,0
-Plastic products	2,7	167,6	172,3	2,8	0,1
Glass and non-metallic mineral products	4,8	91,6	93,6	2,2	0,1
-Glass and glass products	1,0	118,5	120,7	1,9	0,0
-Non-metallic mineral products	3,8	84,8	86,8	2,4	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	93,3	91,3	-2,1	-0,5
-Basic iron and steel products	7,7	92,6	83,7	-9,6	-0,7
-Basic precious, non-ferrous metal products	3,4	98,6	98,9	0,3	0,0
-Fabricated metal products	5,7	99,0	101,8	2,8	0,2
-Machinery and equipment	6,1	85,8	86,6	0,9	0,0
Electrical machinery	2,5	125,6	127,7	1,7	0,1
Radio, television and communication apparatus and professional equipment	1,1	92,0	95,3	3,6	0,0
-Radio, television and communication apparatus	0,4	94,6	88,7	-6,2	0,0
-Professional equipment	0,7	90,4	99,4	10,0	0,1
Motor vehicles, parts and accessories and other transport equipment	10,9	95,0	97,2	2,3	0,2
-Motor vehicles	4,9	83,4	87,2	4,6	0,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	114,8	124,2	8,2	0,0
-Parts and accessories	4,7	101,7	102,1	0,4	0,0
-Other transport equipment	0,9	111,9	110,7	-1,1	0,0
Furniture and other manufacturing division	5,2	98,5	95,6	-2,9	-0,1
-Furniture	1,3	92,9	93,3	0,4	0,0
-Other manufacturing groups	3,9	100,3	96,4	-3,9	-0,2
Total	100,0	101,3	102,1	0,8	0,8

1/ The contribution (percentage points) of a major group or division to the total seasonally adjusted manufacturing production is calculated by multiplying the difference in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index.
Figures have been rounded off.

Figure 1 shows the seasonally adjusted and trend series for the volume index of manufacturing production between January 2004 and June 2010.

Figure 1 – Index of the physical volume of manufacturing production: 2004 – 2010

Base 2005=100



Total value of sales of manufactured products at current prices for the second quarter of 2010 increased by 1,1% (R3 364 million), after seasonal adjustment, compared with the first quarter of 2010. Eight of the ten manufacturing divisions reported positive growth rates between the first and second quarter of 2010. (see Table C).

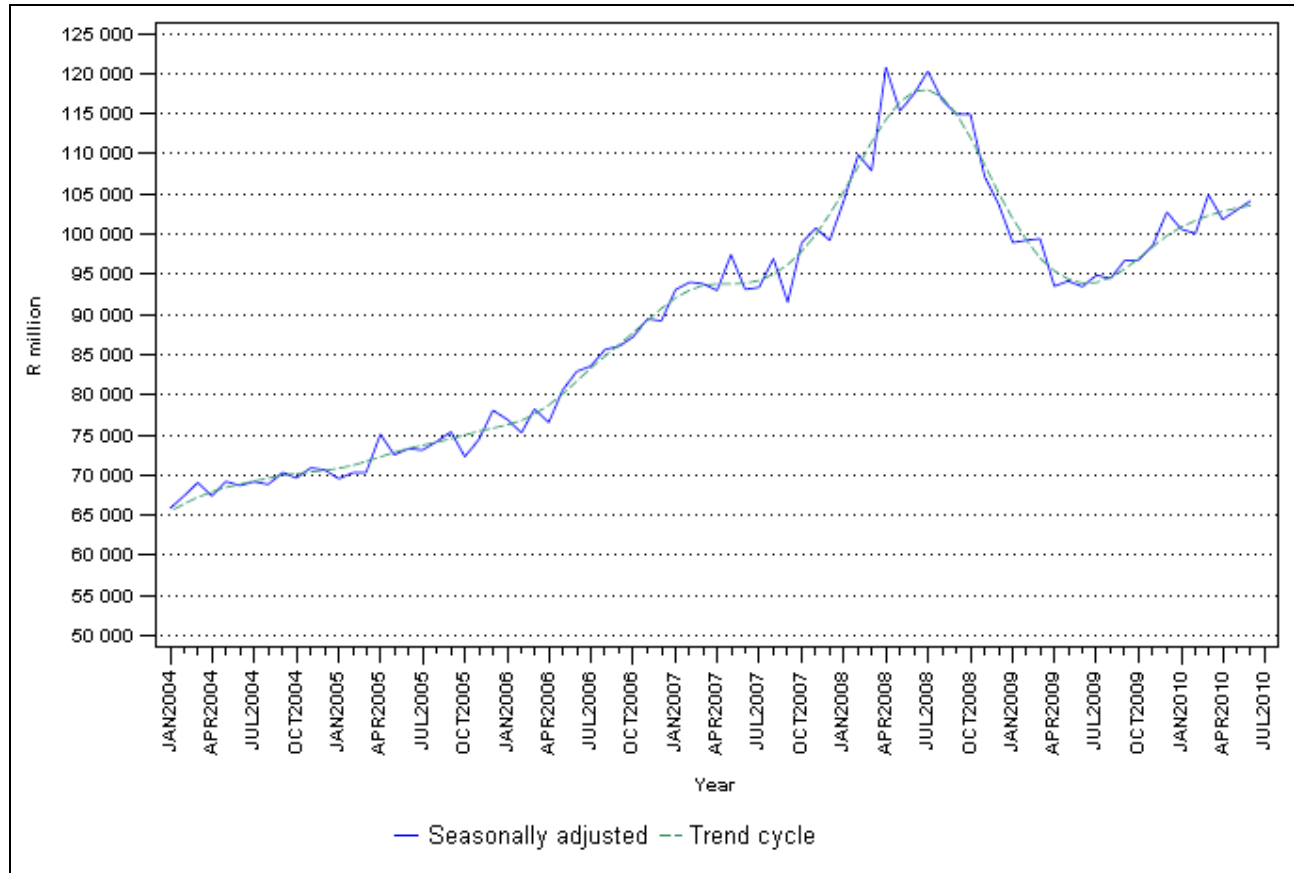
The increase reported by the petroleum, chemical products, rubber and plastic products division (1,9% or R1 335 million) during the above-mentioned period was mainly responsible for the increase in total manufacturing sales, contributing approximately 40% to the total increase in sales (see Table C).

Table C – Contribution of manufacturing divisions and major groups to the three-monthly total seasonally adjusted sales of the manufacturing industry at current prices

Manufacturing divisions and major groups	Seasonally adjusted sales January to March 2010	Seasonally adjusted sales April to June 2010	Percentage change between January to March 2010 and April to June 2010	Difference in seasonally adjusted sales of manufacturing divisions between January to March 2010 and April to June 2010
	R000	R000	%	R000
Food and beverages	60 457 224	60 527 990	0,1	70 766
-Food and food products	45 702 362	45 521 881	-0,4	-180 481
-Beverages	14 754 861	15 006 111	1,7	251 250
Textiles, clothing, leather and footwear	9 311 326	9 466 106	1,7	154 780
-Textiles	3 628 585	3 697 279	1,9	68 694
-Wearing apparel	3 705 632	3 662 986	-1,2	-42 646
-Leather and leather products	1 046 244	1 164 288	11,3	118 044
-Footwear	930 864	941 553	1,1	10 689
Wood and wood products, paper, publishing and printing	26 128 232	26 711 142	2,2	582 910
-Wood and products of wood	5 650 713	5 447 630	-3,6	-203 083
-Paper and paper products	11 967 921	12 559 927	4,9	592 006
-Publishing and printing	8 509 599	8 703 586	2,3	193 987
Petroleum, chemical products, rubber and plastic products	71 540 103	72 874 941	1,9	1 334 838
-Coke, petroleum products and nuclear fuel	25 436 871	25 521 188	0,3	84 317
-Basic chemicals	13 849 207	13 739 965	-0,8	-109 242
-Other chemical products	16 379 085	17 131 248	4,6	752 163
-Rubber products	3 273 329	3 250 050	-0,7	-23 279
-Plastic products	12 601 611	13 232 490	5,0	630 879
Glass and non-metallic mineral products	8 808 466	9 131 070	3,7	322 604
-Glass and glass products	1 612 307	1 668 674	3,5	56 367
-Non-metallic mineral products	7 196 158	7 462 396	3,7	266 238
Basic iron and steel, non-ferrous metal products, metal products and machinery	61 825 400	62 224 122	0,6	398 722
-Basic iron and steel products	23 872 719	24 615 202	3,1	742 483
-Basic precious, non-ferrous metal products	8 302 874	8 727 550	5,1	424 676
-Fabricated metal products	14 838 964	14 474 610	-2,5	-364 354
-Machinery and equipment	14 810 842	14 406 760	-2,7	-404 082
Electrical machinery	10 020 400	10 298 180	2,8	277 780
Radio, television and communication apparatus and professional equipment	3 443 823	3 432 672	-0,3	-11 151
-Radio, television and communication apparatus	1 543 175	1 428 590	-7,4	-114 585
-Professional equipment	1 900 649	2 004 082	5,4	103 433
Motor vehicles, parts and accessories and other transport equipment	39 849 064	39 713 597	-0,3	-135 467
-Motor vehicles, trailers, parts and accessories	36 108 925	35 987 148	-0,3	-121 777
-Other transport equipment	3 740 139	3 726 448	-0,4	-13 691
Furniture and other manufacturing division	14 217 102	14 585 307	2,6	368 205
-Furniture	2 939 514	2 950 595	0,4	11 081
-Other manufacturing groups	11 277 589	11 634 711	3,2	357 122
Total	305 601 142	308 965 129	1,1	3 363 987

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2004 and June 2010.

Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2004 – 2010



P J Lehohla
Statistician-General

Detailed results

Table 1 – Total index of the physical volume of manufacturing production: 2004 – 2010

Base 2005 = 100

Month	2004	2005	2006	2007	2008	2009	2010
Jan	82,6	85,2	89,8	95,2	96,2	83,9	86,9
Feb	91,5	95,5	96,8	104,6	108,5	92,0	94,5
Mar	100,8	101,8	106,3	113,4	112,0	98,9	105,5
Apr	88,9	96,2	95,4	100,6	111,8	87,5	1/ 95,0
May	98,7	100,3	104,2	113,2	114,3	94,5	1/ 102,2
Jun	97,6	100,1	106,6	108,9	115,1	95,5	1/ 103,9
Jul	100,0	100,9	107,4	111,1	115,3	99,5	
Aug	100,3	103,3	108,7	114,4	115,0	97,4	
Sep	102,3	107,5	109,6	108,8	114,5	101,5	
Oct	108,2	106,9	117,0	124,2	121,4	109,9	
Nov	107,5	110,7	119,0	124,3	114,7	109,3	
Dec	87,0	91,4	96,9	96,6	88,2	91,0	
Year	97,1	100,0	104,8	109,6	110,6	96,7	

1/ Preliminary.

Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2004 – 2010 2/

Month	2004	2005	2006	2007	2008	2009	2010
Jan	-1,9	3,1	5,4	6,0	1,1	-12,8	3,6
Feb	-1,2	4,4	1,4	8,1	3,7	-15,2	2,7
Mar	5,0	1,0	4,4	6,7	-1,2	-11,7	6,7
Apr	0,1	8,2	-0,8	5,5	11,1	-21,7	8,6
May	5,2	1,6	3,9	8,6	1,0	-17,3	8,1
Jun	4,5	2,6	6,5	2,2	5,7	-17,0	8,8
Jul	3,6	0,9	6,4	3,4	3,8	-13,7	
Aug	6,8	3,0	5,2	5,2	0,5	-15,3	
Sep	6,5	5,1	2,0	-0,7	5,2	-11,4	
Oct	4,7	-1,2	9,4	6,2	-2,3	-9,5	
Nov	5,8	3,0	7,5	4,5	-7,7	-4,7	
Dec	7,8	5,1	6,0	-0,3	-8,7	3,2	
Year	4,0	3,0	4,8	4,6	0,9	-12,6	

2/ The annual percentage change is the change in the index of the physical volume of manufacturing production of the relevant month of the current year compared with the corresponding month of the previous year expressed as a percentage.

Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2004 – 2010

Base 2005 = 100

Month	2004	2005	2006	2007	2008	2009	2010
Jan	93,5	96,8	102,9	109,9	111,6	98,0	101,3
Feb	94,8	99,5	101,2	109,7	114,2	96,9	99,8
Mar	97,6	98,5	103,0	110,1	108,9	96,4	102,8
Apr	94,1	102,5	101,4	107,5	119,5	93,3	101,5
May	98,0	99,5	103,6	112,7	113,8	94,3	102,0
Jun	96,9	99,7	105,9	107,9	113,8	94,3	102,7
Jul	98,3	99,4	105,4	108,8	112,6	97,3	
Aug	97,5	100,1	105,0	110,4	111,3	94,3	
Sep	98,9	103,7	105,4	104,7	110,2	97,8	
Oct	98,2	96,5	105,2	111,3	108,3	98,1	
Nov	96,9	99,9	107,4	112,2	103,1	99,0	
Dec	98,6	103,4	109,8	109,3	98,2	101,8	

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

Base 2005 = 100

Manufacturing divisions and major groups	Weights 2005	Average for 2009	Actual indices			Seasonally adjusted indices		
			June 2009	1/ May 2010	1/ June 2010	June 2009	May 2010	June 2010
Food and beverages	15,4	111,7	109,5	112,5	117,2	110,0	114,6	116,9
-Meat, fish, fruit, etc.	1,8	109,3	107,9	113,8	115,9	105,6	109,7	113,0
-Dairy products	0,8	109,7	94,2	101,4	102,9	100,1	109,8	109,3
-Grain mill products	0,8	108,5	112,1	110,3	116,1	108,0	109,6	111,7
-Other food products	5,2	110,3	119,5	124,2	134,2	106,8	116,2	119,6
-Beverages	6,8	113,9	103,7	104,7	106,3	114,9	115,9	117,4
Textiles, clothing, leather and footwear	4,9	89,5	87,6	87,5	85,2	89,2	86,1	87,0
-Textiles	0,7	73,7	78,3	76,8	64,6	75,5	69,0	63,0
-Other textile products	0,9	78,1	77,1	75,6	76,0	75,8	75,6	75,2
-Knitted, crocheted articles	0,2	104,4	106,8	127,8	107,5	102,6	110,3	103,6
-Wearing apparel	2,1	96,5	92,1	85,9	87,2	97,1	86,7	92,0
-Leather and leather products	0,6	83,6	89,0	99,2	97,4	87,2	97,6	95,2
-Footwear	0,4	107,3	93,1	106,7	100,9	98,2	107,4	107,1
Wood and wood products, paper, publishing and printing	10,2	92,0	91,1	96,2	97,6	90,2	95,5	96,5
-Sawmilling and planing of wood	0,7	73,4	69,5	85,4	80,7	69,0	84,3	80,6
-Products of wood	1,3	88,6	90,0	84,4	87,8	83,9	83,5	82,1
-Paper and paper products	3,8	103,6	105,6	113,6	122,1	100,9	111,6	116,5
-Publishing	1,9	86,8	87,3	84,7	81,0	89,4	85,9	82,9
-Printing, recorded media	2,5	84,8	78,2	86,9	81,9	83,6	87,1	87,8
Petroleum, chemical products, rubber and plastic products	22,1	107,5	106,1	113,5	120,1	104,4	113,3	118,1
-Coke, petroleum products and nuclear fuel	8,5	95,3	97,8	94,2	102,5	94,0	91,0	98,2
-Basic chemicals	4,5	107,9	103,5	122,7	131,9	102,7	125,3	130,9
-Other chemical products	5,3	109,6	105,6	113,2	117,1	105,9	115,3	117,7
-Rubber products	1,0	77,3	75,7	83,6	84,5	74,9	79,1	83,7
-Plastic products	2,7	151,7	148,5	169,9	174,4	147,4	171,5	172,8
Glass and non-metallic mineral products	4,8	96,5	97,8	94,4	98,4	95,2	93,9	96,1
-Glass and glass products	1,0	121,6	121,0	111,4	125,4	120,1	119,4	125,2
-Non-metallic mineral products	3,8	90,2	92,0	90,1	91,6	89,0	87,5	88,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	85,9	84,3	92,4	91,2	83,3	91,6	90,2
-Basic iron and steel products	7,7	72,0	72,5	88,5	86,3	69,3	83,7	82,2
-Non-ferrous metal products	3,4	95,4	95,6	98,8	96,6	97,7	96,8	98,9
-Structural metal products	2,0	96,7	102,5	98,9	92,1	96,7	90,5	87,2
-Other fabricated metal products	3,8	104,5	101,9	111,9	109,4	98,1	110,3	105,7
-General purpose machinery	2,4	73,2	69,6	67,8	69,2	70,3	69,9	70,3
-Special purpose machinery	3,1	88,3	77,5	85,3	90,1	82,6	98,9	96,8
-Household appliances	0,6	96,0	93,1	97,0	99,0	96,2	97,2	102,4
Electrical machinery	2,5	121,2	112,8	122,1	123,1	114,2	128,0	126,2
Radio, television and communication apparatus and professional equipment	1,1	98,7	102,2	98,4	98,3	97,7	95,5	94,2
-Radio, television and communication apparatus	0,4	102,8	99,3	85,2	91,2	96,1	88,5	88,7
-Professional equipment	0,7	96,1	104,1	106,8	102,8	98,8	100,0	97,7
Motor vehicles, parts and accessories and other transport equipment	10,9	79,7	77,2	100,3	97,3	75,9	96,1	96,6
-Motor vehicles	4,9	66,1	58,1	90,0	84,9	59,8	85,1	87,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	91,2	124,7	133,5	91,1	122,9	132,9
-Parts and accessories	4,7	82,4	80,9	105,0	100,6	79,9	100,9	99,1
-Other transport equipment	0,9	124,8	150,6	118,3	126,9	132,1	116,1	111,1
Furniture and other manufacturing division	5,2	94,5	100,4	95,4	92,1	93,1	98,4	86,4
-Furniture	1,3	88,8	88,3	92,7	94,2	88,2	93,5	94,1
-Other manufacturing groups	3,9	96,4	104,5	96,3	91,4	94,8	100,1	83,8
Total	100,0	96,7	95,5	102,2	103,9	94,3	102,0	102,7

1/ Preliminary.

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

Base 2005 = 100

Manufacturing divisions and major groups	Weights 2005	Average for 2009	Actual indices			Seasonally adjusted indices		
			June 2009	1/ June 2010	Percentage change between June 2009 and June 2010	May 2010	June 2010	Percentage change between May and June 2010
Food and beverages	15,4	111,7	109,5	117,2	7,0	114,6	116,9	2,0
-Meat, fish, fruit, etc.	1,8	109,3	107,9	115,9	7,4	109,7	113,0	3,0
-Dairy products	0,8	109,7	94,2	102,9	9,2	109,8	109,3	-0,5
-Grain mill products	0,8	108,5	112,1	116,1	3,6	109,6	111,7	1,9
-Other food products	5,2	110,3	119,5	134,2	12,3	116,2	119,6	2,9
-Beverages	6,8	113,9	103,7	106,3	2,5	115,9	117,4	1,3
Textiles, clothing, leather and footwear	4,9	89,5	87,6	85,2	-2,7	86,1	87,0	1,0
-Textiles	0,7	73,7	78,3	64,6	-17,5	69,0	63,0	-8,7
-Other textile products	0,9	78,1	77,1	76,0	-1,4	75,6	75,2	-0,5
-Knitted, crocheted articles	0,2	104,4	106,8	107,5	0,7	110,3	103,6	-6,1
-Wearing apparel	2,1	96,5	92,1	87,2	-5,3	86,7	92,0	6,1
-Leather and leather products	0,6	83,6	89,0	97,4	9,4	97,6	95,2	-2,5
-Footwear	0,4	107,3	93,1	100,9	8,4	107,4	107,1	-0,3
Wood and wood products, paper, publishing and printing	10,2	92,0	91,1	97,6	7,1	95,5	96,5	1,0
-Sawmilling and planing of wood	0,7	73,4	69,5	80,7	16,1	84,3	80,6	-4,4
-Products of wood	1,3	88,6	90,0	87,8	-2,4	83,5	82,1	-1,7
-Paper and paper products	3,8	103,6	105,6	122,1	15,6	111,6	116,5	4,4
-Publishing	1,9	86,8	87,3	81,0	-7,2	85,9	82,9	-3,5
-Printing, recorded media	2,5	84,8	78,2	81,9	4,7	87,1	87,8	0,8
Petroleum, chemical products, rubber and plastic products	22,1	107,5	106,1	120,1	13,2	113,3	118,1	4,2
-Coke, petroleum products and nuclear fuel	8,5	95,3	97,8	102,5	4,8	91,0	98,2	7,9
-Basic chemicals	4,5	107,9	103,5	131,9	27,4	125,3	130,9	4,5
-Other chemical products	5,3	109,6	105,6	117,1	10,9	115,3	117,7	2,1
-Rubber products	1,0	77,3	75,7	84,5	11,6	79,1	83,7	5,8
-Plastic products	2,7	151,7	148,5	174,4	17,4	171,5	172,8	0,8
Glass and non-metallic mineral products	4,8	96,5	97,8	98,4	0,6	93,9	96,1	2,3
-Glass and glass products	1,0	121,6	121,0	125,4	3,6	119,4	125,2	4,9
-Non-metallic mineral products	3,8	90,2	92,0	91,6	-0,4	87,5	88,8	1,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	85,9	84,3	91,2	8,2	91,6	90,2	-1,5
-Basic iron and steel products	7,7	72,0	72,5	86,3	19,0	83,7	82,2	-1,8
-Non-ferrous metal products	3,4	95,4	95,6	96,6	1,0	96,8	98,9	2,2
-Structural metal products	2,0	96,7	102,5	92,1	-10,1	90,5	87,2	-3,6
-Other fabricated metal products	3,8	104,5	101,9	109,4	7,4	110,3	105,7	-4,2
-General purpose machinery	2,4	73,2	69,6	69,2	-0,6	69,9	70,3	0,6
-Special purpose machinery	3,1	88,3	77,5	90,1	16,3	98,9	96,8	-2,1
-Household appliances	0,6	96,0	93,1	99,0	6,3	97,2	102,4	5,3
Electrical machinery	2,5	121,2	112,8	123,1	9,1	128,0	126,2	-1,4
Radio, television and communication apparatus and professional equipment	1,1	98,7	102,2	98,3	-3,8	95,5	94,2	-1,4
-Radio, television and communication apparatus	0,4	102,8	99,3	91,2	-8,2	88,5	88,7	0,2
-Professional equipment	0,7	96,1	104,1	102,8	-1,2	100,0	97,7	-2,3
Motor vehicles, parts and accessories and other transport equipment	10,9	79,7	77,2	97,3	26,0	96,1	96,6	0,5
-Motor vehicles	4,9	66,1	58,1	84,9	46,1	85,1	87,9	3,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	91,2	133,5	46,4	122,9	132,9	8,1
-Parts and accessories	4,7	82,4	80,9	100,6	24,4	100,9	99,1	-1,8
-Other transport equipment	0,9	124,8	150,6	126,9	-15,7	116,1	111,1	-4,3
Furniture and other manufacturing division	5,2	94,5	100,4	92,1	-8,3	98,4	86,4	-12,2
-Furniture	1,3	88,8	88,3	94,2	6,7	93,5	94,1	0,6
-Other manufacturing groups	3,9	96,4	104,5	91,4	-12,5	100,1	83,8	-16,3
Total	100,0	96,7	95,5	103,9	8,8	102,0	102,7	0,7

1/ Preliminary.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R000): 2004 – 2010

Month	2004	2005	2006	2007	2008	2009	2010
Jan	55 702 288	58 705 257	64 904 290	78 599 468	88 223 092	83 315 861	84 932 700
Feb	65 027 262	67 592 645	72 163 648	89 769 884	104 338 982	94 452 035	95 285 023
Mar	70 936 530	72 099 488	80 114 612	96 207 130	110 254 490	101 729 244	107 379 447
Apr	63 759 248	70 718 822	71 780 033	86 839 371	112 640 753	87 148 078	1/ 94 858 393
May	69 557 193	72 750 078	80 692 987	97 573 896	115 671 466	93 686 610	1/ 102 484 213
Jun	69 338 797	74 062 607	84 011 510	94 620 631	120 138 492	95 271 113	1/ 106 283 111
Jul	69 855 977	74 136 551	85 136 537	95 460 248	123 799 542	97 023 688	
Aug	70 632 321	76 550 034	88 805 047	100 791 378	121 886 864	98 084 036	
Sep	73 800 845	79 380 270	90 800 328	96 560 089	121 355 165	101 809 619	
Oct	76 370 559	79 431 755	96 059 766	109 274 819	127 291 387	107 197 685	
Nov	78 717 134	82 992 688	99 301 579	111 717 168	118 691 642	109 078 529	
Dec	64 304 382	70 482 179	79 607 355	88 372 560	93 232 454	92 803 302	
Year	828 002 536	878 902 374	993 377 692	1 145 786 642	1 357 524 329	1 161 599 800	

1/ Preliminary.

Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2004 – 2010 2/

Month	2004	2005	2006	2007	2008	2009	2010
Jan	1,3	5,4	10,6	21,1	12,2	-5,6	1,9
Feb	3,6	3,9	6,8	24,4	16,2	-9,5	0,9
Mar	8,5	1,6	11,1	20,1	14,6	-7,7	5,6
Apr	4,3	10,9	1,5	21,0	29,7	-22,6	8,8
May	10,8	4,6	10,9	20,9	18,5	-19,0	9,4
Jun	9,2	6,8	13,4	12,6	27,0	-20,7	11,6
Jul	9,2	6,1	14,8	12,1	29,7	-21,6	
Aug	10,5	8,4	16,0	13,5	20,9	-19,5	
Sep	12,6	7,6	14,4	6,3	25,7	-16,1	
Oct	8,7	4,0	20,9	13,8	16,5	-15,8	
Nov	14,1	5,4	19,7	12,5	6,2	-8,1	
Dec	10,1	9,6	12,9	11,0	5,5	-0,5	
Year	8,7	6,1	13,0	15,3	18,5	-14,4	

2/ The annual percentage change is the change in the sales of the manufacturing industry of the relevant month of the current year compared with the sales of the corresponding month of the previous year expressed as a percentage.

Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R000): 2004 – 2010

Month	2004	2005	2006	2007	2008	2009	2010
Jan	65 854 520	69 530 355	76 911 761	93 088 742	104 220 303	98 938 541	100 618 714
Feb	67 423 640	70 305 434	75 275 874	94 019 292	109 891 328	99 243 640	100 073 664
Mar	69 041 848	70 302 005	78 211 852	93 819 176	107 892 032	99 430 301	104 908 764
Apr	67 400 508	75 074 076	76 549 004	92 981 649	120 767 586	93 507 386	101 829 741
May	69 190 162	72 510 506	80 566 215	97 431 190	115 331 269	94 160 072	102 974 401
Jun	68 675 450	73 277 702	82 905 172	93 100 186	117 469 264	93 454 703	104 160 987
Jul	69 173 235	73 093 566	83 554 900	93 363 647	120 287 220	94 875 582	
Aug	68 823 469	74 159 516	85 624 252	96 935 689	116 690 611	94 491 738	
Sep	70 323 465	75 368 889	86 046 802	91 529 294	114 937 701	96 737 026	
Oct	69 614 105	72 276 406	87 205 835	98 875 521	114 936 094	96 766 154	
Nov	70 885 501	74 451 835	89 430 512	100 762 969	107 142 369	98 650 134	
Dec	70 638 937	78 056 488	89 195 226	99 198 266	103 770 336	102 748 919	

Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R000)

Manufacturing divisions and major groups	Year 2009	Actual values			Seasonally adjusted values		
		June 2009	1/ May 2010	1/ June 2010	June 2009	May 2010	June 2010
Food and beverages	240 845 177	19 343 212	19 377 097	20 725 649	19 415 414	20 226 470	20 798 949
-Meat, fish, fruit, etc.	63 578 365	5 260 258	5 424 810	5 551 622	5 167 523	5 369 017	5 444 855
-Dairy products	20 468 131	1 498 176	1 639 324	1 619 470	1 602 214	1 766 021	1 735 221
-Grain mill products	45 484 365	3 883 850	3 482 639	3 709 342	3 772 542	3 534 675	3 601 492
-Other food products	53 840 204	4 277 960	4 477 560	4 976 893	4 094 145	4 549 396	4 758 169
-Beverages	57 474 112	4 422 968	4 352 764	4 868 322	4 778 990	5 007 361	5 259 213
Textiles, clothing, leather and footwear	38 323 315	3 195 693	3 188 774	3 098 934	3 212 442	3 159 054	3 122 504
-Textiles	5 754 712	525 762	465 864	451 834	494 676	435 668	426 058
-Other textile products	9 345 257	780 169	793 464	792 140	763 623	782 548	780 060
-Knitted, crocheted articles	1 645 824	141 508	173 152	143 939	133 284	144 316	136 380
-Wearing apparel	14 092 990	1 158 769	1 047 304	1 041 766	1 206 174	1 069 898	1 081 471
-Leather and leather products	3 879 847	327 334	417 255	382 880	326 464	419 966	382 148
-Footwear	3 604 685	262 151	291 735	286 375	288 220	306 658	316 386
Wood and wood products, paper, publishing and printing	101 721 747	8 718 315	8 950 113	9 281 946	8 494 569	8 931 069	9 034 504
-Sawmilling and planing of wood	6 382 241	527 400	590 912	560 998	524 670	601 522	559 850
-Products of wood	15 749 367	1 369 767	1 248 153	1 283 046	1 277 389	1 225 477	1 201 370
-Paper and paper products	45 633 499	4 096 327	4 167 236	4 646 452	3 847 020	4 158 002	4 350 416
-Publishing	13 331 316	1 132 699	1 124 326	1 083 833	1 142 528	1 136 874	1 092 256
-Printing, recorded media	20 625 324	1 592 122	1 819 486	1 707 617	1 702 962	1 809 195	1 830 611
Petroleum, chemical products, rubber and plastic products	269 871 735	22 256 037	23 842 584	25 864 602	21 672 952	24 054 102	25 073 221
-Coke, petroleum products and nuclear fuel	93 661 889	7 963 288	8 775 912	9 697 426	7 407 842	8 607 920	8 932 114
-Basic chemicals	53 153 291	4 290 677	4 206 068	4 928 288	4 184 942	4 380 968	4 806 137
-Other chemical products	64 929 930	5 262 370	5 491 266	5 705 235	5 345 834	5 646 114	5 800 350
-Rubber products	12 371 122	1 038 235	1 086 855	1 097 331	1 010 982	1 067 760	1 071 623
-Plastic products	45 755 503	3 701 467	4 282 483	4 436 322	3 723 352	4 351 340	4 462 997
Glass and non-metallic mineral products	36 097 324	2 969 871	3 010 915	3 118 972	2 913 167	3 020 847	3 073 290
-Glass and glass products	6 605 208	546 787	506 496	567 226	543 177	559 725	563 652
-Non-metallic mineral products	29 492 116	2 423 084	2 504 419	2 551 746	2 369 990	2 461 122	2 509 638
Basic iron and steel, non-ferrous metal products, metal products and machinery	226 472 456	18 144 465	20 644 892	21 397 433	17 661 352	20 494 629	20 752 285
-Basic iron and steel products	77 590 894	6 312 671	8 243 913	9 122 056	5 783 455	7 948 161	8 343 332
-Non-ferrous metal products	31 889 556	2 364 190	2 883 086	2 751 483	2 437 861	2 857 225	2 857 118
-Structural metal products	21 258 572	1 808 860	1 768 259	1 645 545	1 734 770	1 679 305	1 585 100
-Other fabricated metal products	38 068 027	3 153 332	3 231 325	3 208 581	3 065 797	3 192 888	3 131 528
-General purpose machinery	22 530 421	1 832 181	1 755 030	1 850 113	1 814 655	1 792 097	1 839 903
-Special purpose machinery	25 790 190	1 920 039	1 962 825	2 025 684	2 043 215	2 228 210	2 171 542
-Household appliances	9 344 796	753 192	800 454	793 971	781 601	796 743	823 762
Electrical machinery	37 917 103	3 112 896	3 447 467	3 550 587	3 075 957	3 480 895	3 535 520
Radio, television and communication apparatus and professional equipment	14 337 276	1 254 799	1 185 529	1 186 745	1 188 867	1 165 721	1 125 030
-Radio, television and communication apparatus	6 543 934	545 003	449 197	493 722	518 592	468 373	470 875
-Professional equipment	7 793 342	709 796	736 332	693 023	670 274	697 348	654 155
Motor vehicles, parts and accessories and other transport equipment	139 600 661	11 612 176	14 129 380	13 071 848	11 350 847	13 525 676	12 849 614
-Motor vehicles	68 801 772	5 573 247	7 252 809	6 390 302	5 673 656	7 040 960	6 539 325
-Bodies for motor vehicles, trailers and semi-trailers	6 588 091	507 009	612 798	690 352	496 652	614 031	674 422
-Parts and accessories	47 749 947	3 890 687	4 940 486	4 552 803	3 753 610	4 560 668	4 387 853
-Other transport equipment	16 460 851	1 641 233	1 323 287	1 438 391	1 426 928	1 310 017	1 248 014
Furniture and other manufacturing division	56 413 006	4 663 649	4 707 462	4 986 395	4 469 136	4 915 937	4 796 071
-Furniture	11 072 539	911 860	982 327	982 961	917 170	986 048	989 803
-Other manufacturing groups	45 340 467	3 751 789	3 725 135	4 003 434	3 551 966	3 929 888	3 806 268
Total	1 161 599 800	95 271 113	102 484 213	106 283 111	93 454 703	102 974 401	104 160 987

1/ Preliminary.

Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R000) (concluded)

Manufacturing divisions and major groups	Year 2009	Actual values			Seasonally adjusted values		
		June 2009	1/ June 2010	Percentage change between June 2009 and June 2010	May 2010	June 2010	Percentage change between May and June 2010
Food and beverages	240 845 177	19 343 212	20 725 649	7,1	20 226 470	20 798 949	2,8
-Meat, fish, fruit, etc.	63 578 365	5 260 258	5 551 622	5,5	5 369 017	5 444 855	1,4
-Dairy products	20 468 131	1 498 176	1 619 470	8,1	1 766 021	1 735 221	-1,7
-Grain mill products	45 484 365	3 883 850	3 709 342	-4,5	3 534 675	3 601 492	1,9
-Other food products	53 840 204	4 277 960	4 976 893	16,3	4 549 396	4 758 169	4,6
-Beverages	57 474 112	4 422 968	4 868 322	10,1	5 007 361	5 259 213	5,0
Textiles, clothing, leather and footwear	38 323 315	3 195 693	3 098 934	-3,0	3 159 054	3 122 504	-1,2
-Textiles	5 754 712	525 762	451 834	-14,1	435 668	426 058	-2,2
-Other textile products	9 345 257	780 169	792 140	1,5	782 548	780 060	-0,3
-Knitted, crocheted articles	1 645 824	141 508	143 939	1,7	144 316	136 380	-5,5
-Wearing apparel	14 092 990	1 158 769	1 041 766	-10,1	1 069 898	1 081 471	1,1
-Leather and leather products	3 879 847	327 334	382 880	17,0	419 966	382 148	-9,0
-Footwear	3 604 685	262 151	286 375	9,2	306 658	316 386	3,2
Wood and wood products, paper, publishing and printing	101 721 747	8 718 315	9 281 946	6,5	8 931 069	9 034 504	1,2
-Sawmilling and planing of wood	6 382 241	527 400	560 998	6,4	601 522	559 850	-6,9
-Products of wood	15 749 367	1 369 767	1 283 046	-6,3	1 225 477	1 201 370	-2,0
-Paper and paper products	45 633 499	4 096 327	4 646 452	13,4	4 158 002	4 350 416	4,6
-Publishing	13 331 316	1 132 699	1 083 833	-4,3	1 136 874	1 092 256	-3,9
-Printing, recorded media	20 625 324	1 592 122	1 707 617	7,3	1 809 195	1 830 611	1,2
Petroleum, chemical products, rubber and plastic products	269 871 735	22 256 037	25 864 602	16,2	24 054 102	25 073 221	4,2
-Coke, petroleum products and nuclear fuel	93 661 889	7 963 288	9 697 426	21,8	8 607 920	8 932 114	3,8
-Basic chemicals	53 153 291	4 290 677	4 928 288	14,9	4 380 968	4 806 137	9,7
-Other chemical products	64 929 930	5 262 370	5 705 235	8,4	5 646 114	5 800 350	2,7
-Rubber products	12 371 122	1 038 235	1 097 331	5,7	1 067 760	1 071 623	0,4
-Plastic products	45 755 503	3 701 467	4 436 322	19,9	4 351 340	4 462 997	2,6
Glass and non-metallic mineral products	36 097 324	2 969 871	3 118 972	5,0	3 020 847	3 073 290	1,7
-Glass and glass products	6 605 208	546 787	567 226	3,7	559 725	563 652	0,7
-Non-metallic mineral products	29 492 116	2 423 084	2 551 746	5,3	2 461 122	2 509 638	2,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	226 472 456	18 144 465	21 397 433	17,9	20 494 629	20 752 285	1,3
-Basic iron and steel products	77 590 894	6 312 671	9 122 056	44,5	7 948 161	8 343 332	5,0
-Non-ferrous metal products	31 889 556	2 364 190	2 751 483	16,4	2 857 225	2 857 118	0,0
-Structural metal products	21 258 572	1 808 860	1 645 545	-9,0	1 679 305	1 585 100	-5,6
-Other fabricated metal products	38 068 027	3 153 332	3 208 581	1,8	3 192 888	3 131 528	-1,9
-General purpose machinery	22 530 421	1 832 181	1 850 113	1,0	1 792 097	1 839 903	2,7
-Special purpose machinery	25 790 190	1 920 039	2 025 684	5,5	2 228 210	2 171 542	-2,5
-Household appliances	9 344 796	753 192	793 971	5,4	796 743	823 762	3,4
Electrical machinery	37 917 103	3 112 896	3 550 587	14,1	3 480 895	3 535 520	1,6
Radio, television and communication apparatus and professional equipment	14 337 276	1 254 799	1 186 745	-5,4	1 165 721	1 125 030	-3,5
-Radio, television and communication apparatus	6 543 934	545 003	493 722	-9,4	468 373	470 875	0,5
-Professional equipment	7 793 342	709 796	693 023	-2,4	697 348	654 155	-6,2
Motor vehicles, parts and accessories and other transport equipment	139 600 661	11 612 176	13 071 848	12,6	13 525 676	12 849 614	-5,0
-Motor vehicles	68 801 772	5 573 247	6 390 302	14,7	7 040 960	6 539 325	-7,1
-Bodies for motor vehicles, trailers and semi-trailers	6 588 091	507 009	690 352	36,2	614 031	674 422	9,8
-Parts and accessories	47 749 947	3 890 687	4 552 803	17,0	4 560 668	4 387 853	-3,8
-Other transport equipment	16 460 851	1 641 233	1 438 391	-12,4	1 310 017	1 248 014	-4,7
Furniture and other manufacturing division	56 413 006	4 663 649	4 986 395	6,9	4 915 937	4 796 071	-2,4
-Furniture	11 072 539	911 860	982 961	7,8	986 048	989 803	0,4
-Other manufacturing groups	45 340 467	3 751 789	4 003 434	6,7	3 929 888	3 806 268	-3,1
Total	1 161 599 800	95 271 113	106 283 111	11,6	102 974 401	104 160 987	1,2

1/ Preliminary.

Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights	Production indices (base 2005=100)			Value of sales (R000)		
		April to June 2009	April to June 2010	Annual percentage change between April to June 2009 and April to June 2010	April to June 2009	April to June 2010	Annual percentage change between April to June 2009 and April to June 2010
Food and beverages	15,4	105,7	110,1	4,2	57 295 414	58 566 311	2,2
-Meat, fish, fruit, etc.	1,8	106,8	111,3	4,2	15 606 767	15 937 652	2,1
-Dairy products	0,8	99,2	101,5	2,3	4 680 351	4 893 335	4,6
-Grain mill products	0,8	106,2	108,4	2,1	11 295 417	10 396 806	-8,0
-Other food products	5,2	110,6	121,1	9,5	12 772 600	13 745 415	7,6
-Beverages	6,8	102,4	102,6	0,2	12 940 279	13 593 103	5,0
Textiles, clothing, leather and footwear	4,9	87,6	85,6	-2,3	9 604 840	9 381 363	-2,3
-Textiles	0,7	78,0	69,0	-11,5	1 550 551	1 348 321	-13,0
-Other textile products	0,9	74,2	75,0	1,1	2 317 503	2 385 388	2,9
-Knitted, crocheted articles	0,2	115,4	119,6	3,6	459 010	478 519	4,3
-Wearing apparel	2,1	94,2	86,1	-8,6	3 523 016	3 144 875	-10,7
-Leather and leather products	0,6	81,0	96,5	19,1	934 826	1 156 735	23,7
-Footwear	0,4	98,5	103,9	5,5	819 934	867 525	5,8
Wood and wood products, paper, publishing and printing	10,2	89,7	93,0	3,7	24 935 814	26 098 824	4,7
-Sawmilling and planing of wood	0,7	67,9	82,2	21,1	1 501 015	1 719 761	14,6
-Products of wood	1,3	87,8	83,4	-5,0	3 950 229	3 701 565	-6,3
-Paper and paper products	3,8	102,2	112,0	9,6	11 336 012	12 386 443	9,3
-Publishing	1,9	87,0	79,7	-8,4	3 321 694	3 184 849	-4,1
-Printing, recorded media	2,5	79,4	81,5	2,6	4 826 864	5 106 206	5,8
Petroleum, chemical products, rubber and plastic products	22,1	103,4	114,7	10,9	63 773 254	71 914 511	12,8
-Coke, petroleum products and nuclear fuel	8,5	99,3	95,5	-3,8	22 354 414	25 956 001	16,1
-Basic chemicals	4,5	95,6	125,3	31,1	12 393 599	13 342 274	7,7
-Other chemical products	5,3	102,5	114,1	11,3	15 373 383	16 524 642	7,5
-Rubber products	1,0	75,1	84,2	12,1	2 961 753	3 249 404	9,7
-Plastic products	2,7	141,4	169,4	19,8	10 690 105	12 842 190	20,1
Glass and non-metallic mineral products	4,8	94,3	93,3	-1,1	8 583 283	8 927 747	4,0
-Glass and glass products	1,0	112,1	115,4	2,9	1 473 595	1 559 911	5,9
-Non-metallic mineral products	3,8	89,8	87,8	-2,2	7 109 688	7 367 836	3,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	82,2	90,2	9,7	53 206 160	61 714 179	16,0
-Basic iron and steel products	7,7	67,8	85,6	26,3	18 013 377	25 213 080	40,0
-Non-ferrous metal products	3,4	94,6	97,7	3,3	7 628 971	8 609 921	12,9
-Structural metal products	2,0	102,9	95,6	-7,1	5 344 021	5 048 251	-5,5
-Other fabricated metal products	3,8	103,4	106,7	3,2	9 274 274	9 390 875	1,3
-General purpose machinery	2,4	69,4	67,8	-2,3	5 381 138	5 293 209	-1,6
-Special purpose machinery	3,1	72,9	85,6	17,4	5 342 272	5 812 413	8,8
-Household appliances	0,6	92,3	96,8	4,9	2 222 107	2 346 430	5,6
Electrical machinery	2,5	115,4	123,7	7,2	9 353 684	10 160 049	8,6
Radio, television and communication apparatus and professional equipment	1,1	99,0	94,5	-4,5	3 574 386	3 410 100	-4,6
-Radio, television and communication apparatus	0,4	99,7	85,2	-14,5	1 596 011	1 379 597	-13,6
-Professional equipment	0,7	98,6	100,4	1,8	1 978 375	2 030 503	2,6
Motor vehicles, parts and accessories and other transport equipment	10,9	72,9	96,1	31,8	32 488 484	39 213 878	20,7
-Motor vehicles	4,9	58,5	84,1	43,8	15 442 977	19 741 190	27,8
-Bodies for motor vehicles, trailers and semi-trailers	0,5	96,5	123,4	27,9	1 578 178	1 868 957	18,4
-Parts and accessories	4,7	74,6	102,4	37,3	11 284 561	13 811 739	22,4
-Other transport equipment	0,9	127,3	112,6	-11,5	4 182 768	3 791 992	-9,3
Furniture and other manufacturing division	5,2	89,3	89,2	-0,1	13 290 482	14 238 755	7,1
-Furniture	1,3	86,6	90,3	4,3	2 690 307	2 849 843	5,9
-Other manufacturing groups	3,9	90,3	88,9	-1,6	10 600 175	11 388 912	7,4
Total	100,0	92,5	100,4	8,5	276 105 801	303 625 717	10,0

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

Manufacturing divisions and major groups	Weights	Indices (base 2005=100)				Value of sales (R million)			
		Jan. to Jun. 2009	Jan. to Jun. 2010	Annual percentage change between 2009 and 2010	Contribution (percentage points) 1/	Jan. to Jun. 2009	Jan. to Jun. 2010	Annual percentage change between 2009 and 2010	Difference in sales between 2009 and 2010
Food and beverages	15,4	103,4	106,7	3,2	0,6	113 558	115 702	1,9	2 144
-Meat, fish, fruit, etc.	1,8	105,1	110,4	5,0	0,1	30 355	31 295	3,1	940
-Dairy products	0,8	103,3	103,8	0,5	0,0	9 669	9 905	2,4	236
-Grain mill products	0,8	105,3	107,0	1,6	0,0	22 569	20 714	-8,2	-1 855
-Other food products	5,2	99,4	104,0	4,6	0,3	25 095	25 987	3,6	892
-Beverages	6,8	105,8	108,1	2,2	0,2	25 871	27 801	7,5	1 930
Textiles, clothing, leather and footwear	4,9	88,2	82,8	-6,1	-0,3	18 847	17 947	-4,8	-900
-Textiles	0,7	80,3	68,2	-15,1	-0,1	3 046	2 639	-13,4	-407
-Other textile products	0,9	76,6	73,7	-3,8	0,0	4 615	4 508	-2,3	-107
-Knitted, crocheted articles	0,2	109,5	112,8	3,0	0,0	868	885	2,0	17
-Wearing apparel	2,1	95,3	83,6	-12,3	-0,3	6 947	6 078	-12,5	-869
-Leather and leather products	0,6	79,3	90,8	14,5	0,1	1 828	2 205	20,6	377
-Footwear	0,4	95,1	97,9	2,9	0,0	1 542	1 632	5,8	90
Wood and wood products, paper, publishing and printing	10,2	91,2	91,1	-0,1	0,0	49 995	50 810	1,6	815
-Sawmilling and planing of wood	0,7	72,1	81,8	13,5	0,1	3 036	3 423	12,7	387
-Products of wood	1,3	88,2	82,1	-6,9	-0,1	7 827	7 231	-7,6	-596
-Paper and paper products	3,8	103,2	108,6	5,2	0,2	22 659	23 806	5,1	1 147
-Publishing	1,9	89,4	79,0	-11,6	-0,2	6 739	6 297	-6,6	-442
-Printing, recorded media	2,5	81,1	80,2	-1,1	0,0	9 734	10 052	3,3	318
Petroleum, chemical products, rubber and plastic products	22,1	103,0	110,6	7,4	1,8	127 230	137 921	8,4	10 691
-Coke, petroleum products and nuclear fuel	8,5	94,7	90,7	-4,2	-0,4	42 778	48 573	13,5	5 795
-Basic chemicals	4,5	101,4	119,6	17,9	0,9	26 624	26 299	-1,2	-325
-Other chemical products	5,3	105,8	113,0	6,8	0,4	30 993	32 001	3,3	1 008
-Rubber products	1,0	77,6	83,4	7,5	0,1	6 108	6 464	5,8	356
-Plastic products	2,7	135,7	163,2	20,3	0,8	20 727	24 585	18,6	3 858
Glass and non-metallic mineral products	4,8	93,2	88,9	-4,6	-0,2	17 112	17 147	0,2	35
-Glass and glass products	1,0	114,4	112,4	-1,7	0,0	2 969	3 001	1,1	32
-Non-metallic mineral products	3,8	87,9	83,0	-5,6	-0,2	14 142	14 146	0,0	4
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	81,3	89,7	10,3	2,1	109 233	119 812	9,7	10 579
-Basic iron and steel products	7,7	60,1	85,8	42,8	2,1	36 048	47 206	31,0	11 158
-Non-ferrous metal products	3,4	93,2	96,8	3,9	0,1	15 499	16 257	4,9	758
-Structural metal products	2,0	98,2	87,7	-10,7	-0,2	10 831	9 517	-12,1	-1 314
-Other fabricated metal products	3,8	105,6	102,8	-2,7	-0,1	18 694	18 598	-0,5	-96
-General purpose machinery	2,4	70,8	67,2	-5,1	-0,1	10 898	10 464	-4,0	-434
-Special purpose machinery	3,1	85,6	93,0	8,6	0,2	12 625	13 156	4,2	531
-Household appliances	0,6	97,2	95,2	-2,1	0,0	4 639	4 615	-0,5	-24
-Electrical machinery	2,5	118,2	122,4	3,6	0,1	18 667	19 664	5,3	997
Radio, television and communication apparatus and professional equipment	1,1	94,4	90,8	-3,8	0,0	6 895	6 700	-2,8	-195
-Radio, television and communication apparatus	0,4	98,7	87,1	-11,8	-0,1	3 109	2 829	-9,0	-280
-Professional equipment	0,7	91,7	93,1	1,5	0,0	3 786	3 871	2,2	85
Motor vehicles, parts and accessories and other transport equipment	10,9	72,7	93,4	28,5	2,4	67 600	77 817	15,1	10 217
-Motor vehicles	4,9	63,0	81,2	28,9	1,0	33 543	39 564	18,0	6 021
-Bodies for motor vehicles, trailers and semi-trailers	0,5	98,2	114,5	16,6	0,1	3 106	3 409	9,8	303
-Parts and accessories	4,7	69,6	100,2	44,0	1,6	22 657	27 348	20,7	4 691
-Other transport equipment	0,9	125,6	112,4	-10,5	-0,1	8 294	7 498	-9,6	-796
Furniture and other manufacturing division	5,2	90,8	90,6	-0,2	0,0	26 467	27 703	4,7	1 236
-Furniture	1,3	82,4	83,6	1,5	0,0	5 084	5 247	3,2	163
-Other manufacturing groups	3,9	93,6	93,0	-0,6	0,0	21 383	22 456	5,0	1 073
Total	100,0	92,1	98,0	6,4	6,4	555 603	591 223	6,4	35 620

1/ The contribution (percentage points) of a major group or division is calculated by multiplying the difference in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. Figures have been rounded off.

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 Business Register (BR), 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 2005. Both estimated and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the latest month 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 BR, 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. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
- Response rate**
- 9 The preliminary response rate for the survey on manufacturing production and sales for June 2010 was 91,3%. Improved response rate for May 2010 was 93,7%.
- 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 3 049 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 3 049 enterprises, which was drawn in April 2009 from a population then of 57 398 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 major group and 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 1998 to 2000, the weights are based on the 1996 Census of Manufacturing. For the period 2001 to 2004, the weights are based on the 2001 large sample survey of the manufacturing industry (LSS) and for the period 2005 to 2010, the weights are based on the 2005 LSS. Weights between census / LSS 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 D for the fixed weights which were used for the three periods 1998 to 2000, 2001 to 2004 and 2005 to 2010).

Seasonal adjustment

- 17 Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Program 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-off of figures** 23 Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals 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
- | | |
|----------|---------------------------------------------------------------|
| BR | Business Register |
| GDP | Gross domestic product |
| ISIC | International Standard Industrial Classification |
| LSS | Large sample survey |
| m | Million |
| SIC | Standard Industrial Classification of all Economic Activities |
| SARS | South African Revenue Service |
| Stats SA | Statistics South Africa |
| VAT | Value added tax |
| * | Revised figures |
- Changes in the next publication** 26 The results published in the next publication (July 2010) will be based on a new sample drawn in April 2010. The periodic introduction of a new sample is part of Stats SA's strategic approach in improving the basis from which surveys are conducted.

Technical notes**26 Neyman optimal allocation**

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

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

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 2005. 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 D – Weights according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights according to the 1996 Census of Manufacturing 1998 - 2000	Weights according to the 2001 LSS of the manufacturing industry 2001 - 2004	Weights according to the 2005 LSS of the manufacturing industry 2005 - 2010
Food and beverages	15,3	16,4	15,4
-Meat, fish, fruit, etc.	2,8	2,6	1,8
-Dairy products	1,4	1,1	0,8
-Grain mill products	2,1	1,5	0,8
-Other food products	4,4	6,8	5,2
-Beverages	4,6	4,3	6,8
Textiles, clothing, leather and footwear	7,8	5,4	4,9
-Textiles	1,7	1,2	0,7
-Other textile products	1,2	1,2	0,9
-Knitted, crocheted articles	0,6	0,3	0,2
-Wearing apparel	3,0	2,0	2,1
-Tanning, dressing of leather	0,4	0,3	0,6
-Footwear	0,9	0,4	0,4
Wood and wood products, paper, publishing and printing	11,4	11,0	10,2
-Sawmilling and planing of wood	0,8	0,7	0,7
-Products of wood	1,2	1,0	1,3
-Paper and paper products	5,3	4,8	3,8
-Publishing	1,5	2,4	1,9
-Printing, recorded media	2,6	2,1	2,5
Petroleum, chemical products, rubber and plastic products	19,3	22,5	22,1
-Coke, petroleum products and nuclear fuel	4,2	9,1	8,5
-Basic chemicals	4,5	4,0	4,5
-Other chemical products	6,2	5,4	5,3
-Rubber products	1,4	1,1	1,0
-Plastic products	3,1	3,0	2,7
Glass and non-metallic mineral products	4,5	3,9	4,8
-Glass and glass products	1,0	1,1	1,0
-Non-metallic mineral products	3,5	2,9	3,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	23,6	22,4	22,9
-Basic iron and steel products	7,6	5,5	7,7
-Non-ferrous metal products	3,2	4,7	3,4
-Structural metal products	2,4	1,3	2,0
-Other fabricated metal products	4,6	4,2	3,8
-General purpose machinery	2,5	2,4	2,4
-Special purpose machinery	2,9	3,2	3,1
-Household appliances	0,4	1,2	0,6
Electrical machinery	3,4	2,7	2,5
Radio, television and communication apparatus and professional equipment	1,5	1,3	1,1
-Radio, television and communication apparatus	1,0	0,7	0,4
-Professional equipment	0,5	0,6	0,7
Motor vehicles, parts and accessories and other transport equipment	9,1	8,6	10,9
-Motor vehicles	4,5	4,1	4,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	0,4	0,5
-Parts and accessories	3,0	3,1	4,7
-Other transport equipment	1,0	1,0	0,9
Other manufacturing divisions	4,1	5,8	5,2
-Furniture	1,6	1,6	1,3
-Other manufacturing groups	2,6	4,2	3,9
Total	100,0	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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