

Statistical bulletin

UK index of production: May 2017

Measures the volume of production at base year prices for the manufacturing, mining and quarrying, energy supply, and water and waste management industries. These are seasonally adjusted figures on the index of output of the production industries.



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1 . Main points

- In the 3 months to May 2017 compared with the 3 months to February 2017, the Index of Production was estimated to have decreased by 1.2%, due mainly to falls of 1.1% in manufacturing and 3.5% in energy supply.
- The largest contribution to the fall in manufacturing came from the highly volatile pharmaceutical industry along with a range of other industries while the fall in energy supply was due largely to warmer temperatures.
- In the 3 months to May 2017 compared with the same 3 months a year ago, the Index of Production increased by 0.1%; this was due mainly to a rise of 0.9% in manufacturing where there were broad-based upwards contributions from most manufacturing industries.
- In May 2017, total production was estimated to have decreased by 0.1% compared with April 2017, due to falls of 0.2% in manufacturing and 0.8% in energy supply; transport equipment provided the largest contribution to the manufacturing decrease, followed by food products, beverages and tobacco.
- Total production output for May 2017 compared with May 2016 decreased by 0.2%, with energy supply providing the largest downward contribution, decreasing by 4.2% partially offset by manufacturing, increasing by 0.4%.

2 . Things you need to know about this release

On 15 June 2017, the [National Statistician announced](#) that pre-release access to Office for National Statistics publications would stop with effect from 1 July 2017. This is therefore the first IoP release where ministers and other officials did not receive access to the information prior to publication.

The Index of Production (IoP) is an important economic indicator and one of the short-term measures of economic activity in the UK. It is used in the compilation of gross domestic product (GDP); the production industries' weight accounts for 14.6% of the [output approach to the measurement of GDP](#).

The IoP measures the UK output in the mining and quarrying; manufacturing; energy supply; and water supply and waste management industries. The IoP estimates are mainly based on the Monthly Business Survey (MBS) of approximately 6,000 businesses. For the mining and quarrying, and energy supply sectors, and two manufacturing industries namely coke and refined petroleum, and basic iron and steel, we receive volume data from the [Department for Business, Energy and Industrial Strategy \(BEIS\)](#) and the [International Steel Statistics Bureau \(ISSB\)](#) respectively. Unless otherwise stated, all estimates included in this release are based on seasonally adjusted data. The current price non-seasonally adjusted estimates of industries collected by the MBS can be found in today's (7 July 2017) publication of [TOPSI: Production and services turnover](#).

As part of the Short-term Economic Indicators theme day, IoP produces the [proportion of turnover from exports](#), by industry. [Level of exports \(£ millions\)](#) is published in TOPSI. However, this is not always comparable with UK trade statistics, for a number of reasons. These include, but are not limited to:

- different data sources – IoP and TOPSI are based on a survey of businesses; UK Trade in Goods uses administrative data collected by HM Revenue and Customs (HMRC)
- different concepts being measured – IoP reports the value of exports as a proportion of the industry's turnover; the UK trade in goods data report the change in ownership between the UK and other countries
- time lag – there can be time lags between the sale of a product reported in IoP and the movements of that product reported by UK trade

Further information on UK trade and how data on it are compiled can be found in the “Things you need to know” section of the [UK trade release](#).

This release has a revisions period back to April 2017. Revisions can be made for a variety of reasons; the most common include:

- late responses to surveys and administrative sources, or changes to original returns
- forecasts being replaced by actual data
- revisions to seasonal adjustment factors, which are re-estimated every month and reviewed annually

This revisions period is consistent with the National Accounts [revisions policy](#).

Care should be taken when using the month-on-month growth rates as data can often be volatile; longer-term growth rates and examination of the time series allow for better interpretation of the statistics.

Summary information can be found in the [Quality and Methodology Information report](#).

3 . Index of Production (IoP) main figures and the longer-term trend

Figures 1 and 2 show that both the Index of Production (IoP) and Index of Manufacturing (IoM) followed a broadly upward trend following the economic downturn. Growth was more pronounced from the beginning of 2010, as the economy recovered, before a slight downturn during 2012. Since then, both production and manufacturing output have risen steadily but remain well below their level reached in the pre-downturn gross domestic product (GDP) peak in Quarter 1 (Jan to Mar) 2008, by 8.0% and 4.3% respectively in the 3 months to May 2017.

Figure 1: Index of Production in UK

Seasonally adjusted, May 2007 to May 2017

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Seasonally adjusted, May 2007 to May 2017



Source: Primarily Monthly Business Survey (Production and Services) - Office for National Statistics

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Notes:

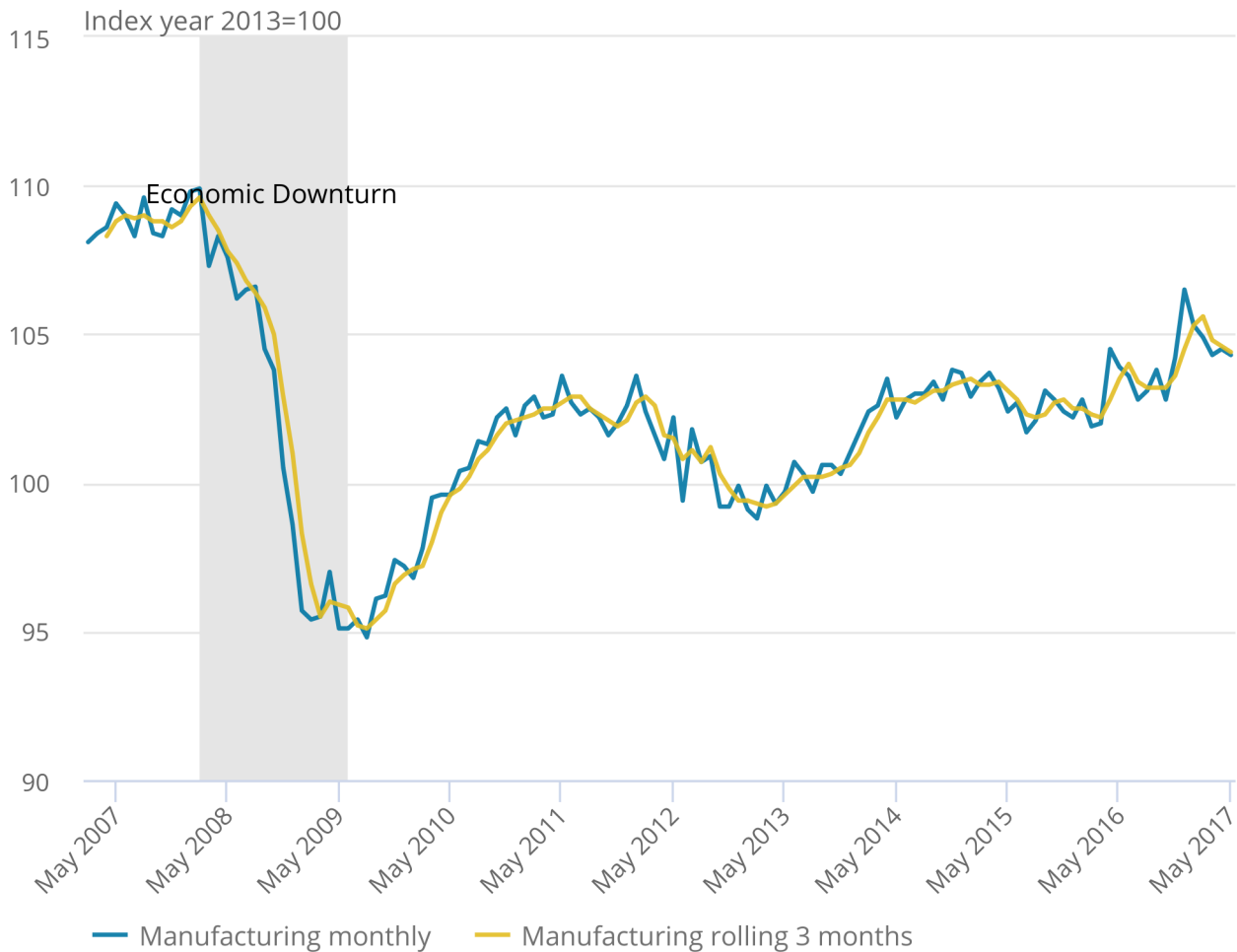
1. Quarter 1 (Jan to Mar) 2008 to Quarter 2 (Apr to June) 2009 – UK economic downturn.

Figure 2: Index of Manufacturing in UK

Seasonally adjusted, May 2007 to May 2017

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Seasonally adjusted, May 2007 to May 2017



Source: Primarily Monthly Business Survey (Production and Services) - Office for National Statistics

Source: Primarily Monthly Business Survey (Production and Services) - Office for National Statistics

Notes:

1. Quarter 1 (Jan to Mar) 2008 to Quarter 2 (Apr to June) 2009 – UK economic downturn.

Table 1 shows the growth rates and contributions for the IoP and main sectors for May 2017. The monthly estimate of total production fell by 0.1%. There were falls in two of the four main sectors. The largest downward contribution came from manufacturing, falling by 0.2%.

The 3 months-on-previous 3 months estimate of total production fell by 1.2% in May 2017, with falls in three of the four main sectors. Manufacturing provided the largest downward contribution, falling by 1.1%.

We must also draw your attention to the index numbers and 3 months-on-same 3 months a year ago growth rates as these can more accurately reflect the longer-term trend to allow better interpretation of the statistics, see [Output of the Production Industries](#) (IOP5) publication tables.

Table 1: Index of Production headline growth rates and contributions, May 2017, UK

Description	% of production ¹	Month on previous month growth (%)	Contribution to production (% points)	Most recent 3 months on previous 3 months growth (%)	Contribution to production (% points)
IoP	100.0	-0.1	-0.10	-1.2	-1.17
Mining and quarrying	12.0	0.1	0.01	-0.8	-0.10
Manufacturing	70.0	-0.2	-0.13	-1.1	-0.79
Electricity, gas, steam and air conditioning	10.4	-0.8	-0.07	-3.5	-0.34
Water supply, sewerage and waste management	7.5	1.2	0.10	0.7	0.05

Source: Office for National Statistics

Notes:

1. "% of production" column does not add up to 100 due to rounding.

4 . What is contributing to the 3 months-on-previous 3 months decrease?

In the 3 months on previous 3 months to May 2017, total production was estimated to have decreased by 1.2% (Table 2), the same as the decrease of 1.2% in the 3 months to April 2017.

There were falls in three of the four main sectors, with the manufacturing sector providing the largest downward pressure, falling by 1.1%. This was the largest fall since July 2015, when it also fell by 1.1%. The decrease in manufacturing is due mainly to the highly volatile pharmaceutical industry, which fell by 7.8%, following a decrease of 12.0% in the 3 months to April 2017. There was widespread weakness across the manufacturing sub-sectors in the 3 months to May 2017.

BEIS advised that the decrease in energy supply of 3.5% was largely caused by warmer-than-average temperatures during the months of March, April and May, at 1.8 degrees Celsius, 0.6 degrees Celsius and 1.7 degrees Celsius respectively, above the long-term average (according to the [Met Office](#)).

Table 2: Growths and contributions to production, 3 months-on-previous 3 months, May 2017, UK

Sector	Summary description	3 months on previous 3 months growth (percentage)	Contribution to production (percentage points)
IoP	Index of Production	-1.2	-1.17
Sector B	Total Mining and Quarrying	-0.8	-0.10
5	Coal and Lignite	-22.3	0.00
6	Crude petroleum and Natural gas	-1.1	-0.11
789	Other mining and quarrying	1.0	0.02
Sector C	Total Manufacturing	-1.1	-0.79
CA	Food, beverages and tobacco	0.6	0.07
CB	Textiles and leather products	3.2	0.08
CC	Wood, paper and printing	0.5	0.03
CD	Coke and petroleum	0.2	0.00
CE	Chemical products	1.2	0.05
CF	Pharmaceutical products	-7.8	-0.44
CG	Rubber and plastic products	-0.9	-0.05
CH	Metal products	-2.2	-0.18
CI	Computer, electronic and optical	-4.6	-0.17
CJ	Electrical equipment	-1.8	-0.03
CK	Machinery and equipment	0.9	0.04
CL	Transport equipment	-0.5	-0.06
CM	Other manufacturing and repair	-1.9	-0.13
Sector D	Total Electricity and Gas	-3.5	-0.34
35.1	Electric power generation, transmission and distribution	-3.0	-0.19
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	-4.6	-0.14
Sector E	Total Water	0.7	0.05
36	Water collection, treatment and supply	0.0	0.00
37	Sewerage	1.2	0.03
38	Waste collection, treatment and disposal activities; materials recovery	0.7	0.02
39	Remediation activities and other waste management services	2.5	0.00

Source: Office for National Statistics

5 . What is contributing to the month-on-month decrease?

The monthly estimate of total production decreased by 0.1% in May 2017 (Table 3), following an increase of 0.2% in the previous month.

There were falls in two of the four main sectors. Manufacturing provided the largest downward pressure, decreasing by 0.2% following an increase of 0.2% in the previous month. Within this sector, transport equipment provided the largest downward contribution, falling by 2.3%; within this, motor vehicles, trailers and semi trailers fell by 4.4%, the largest fall since February 2016, when it fell by 5.8%.

The decrease of 0.8% in energy supply is due mainly to gas supply, which fell by 1.5%. BEIS have indicated that the fall in output is linked to the rise in temperature, with May 2017 the warmest May since 2008. Over the longer-term, demand in gas has increased as a result of increased gas use instead of coal for the purpose of generating electricity ([BEIS Energy Trends](#), UK energy statistics).

Table 3: Growths and contributions to production, month-on-previous-month, May 2017, UK

Sector	Summary description	Month on previous month growth (percentage)	Contribution to production (percentage points)
IoP	Index of Production	-0.1	-0.10
Sector B	Total Mining and Quarrying	0.1	0.01
5	Coal and Lignite	-8.4	0.00
6	Crude petroleum and Natural gas	0.3	0.03
789	Other mining and quarrying	-1.2	-0.03
Sector C	Total Manufacturing	-0.2	-0.13
CA	Food, beverages and tobacco	-2.0	-0.23
CB	Textiles and leather products	1.3	0.03
CC	Wood, paper and printing	0.5	0.03
CD	Coke and petroleum	5.7	0.04
CE	Chemical products	-0.9	-0.04
CF	Pharmaceutical products	1.1	0.06
CG	Rubber and plastic products	0.5	0.03
CH	Metal products	0.1	0.01
CI	Computer, electronic and optical	2.3	0.08
CJ	Electrical equipment	-1.6	-0.03
CK	Machinery and equipment	1.6	0.07
CL	Transport equipment	-2.3	-0.24
CM	Other manufacturing and repair	0.8	0.05
Sector D	Total Electricity and Gas	-0.8	-0.07
35.1	Electric power generation, transmission and distribution	-0.4	-0.03
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	-1.5	-0.04
Sector E	Total Water	1.2	0.10
36	Water collection, treatment and supply	2.6	0.05
37	Sewerage	2.7	0.07
38	Waste collection, treatment and disposal activities; materials recovery	-0.8	-0.03
39	Remediation activities and other waste management services	1.3	0.00

Source: Office for National Statistics

6 . What is contributing to the month-on-same-month a year ago decrease?

Total production decreased by 0.2% in May 2017 compared with May 2016; two of the four main sectors provided downwards contributions (Table 4).

The largest downward contribution came from energy supply, which decreased by 4.2%, following a decrease of 6.1% in the previous period. Within this sector, electricity supply provided the largest downward pressure, falling by 3.9%.

Manufacturing output partially offsets the overall decrease on a year ago, increasing by 0.4%. There were increases in 8 of the 13 sub-sectors. The sub-sector providing the largest upwards contribution was machinery and equipment not elsewhere classified, which rose by 6.9%. Increased exports were reported by this industry in the Monthly Business Survey, published in [Turnover in Production and Services Industries](#).

Table 4: Growths and contributions to production, month-on-same-month a year ago, May 2017, UK

Sector	Summary description	Month on same month a year ago growth (percentage)	Contribution to production (percentage points)
IoP	Index of Production	-0.2	-0.25
Sector B	Total Mining and Quarrying	-1.9	-0.24
5	Coal and Lignite	-29.7	-0.01
6	Crude petroleum and Natural gas	-2.0	-0.20
789	Other mining and quarrying	-1.2	-0.03
Sector C	Total Manufacturing	0.4	0.28
CA	Food, beverages and tobacco	-1.4	-0.17
CB	Textiles and leather products	12.7	0.27
CC	Wood, paper and printing	0.7	0.03
CD	Coke and petroleum	2.0	0.02
CE	Chemical products	2.3	0.09
CF	Pharmaceutical products	-3.8	-0.21
CG	Rubber and plastic products	-1.7	-0.10
CH	Metal products	-0.7	-0.06
CI	Computer, electronic and optical	1.6	0.06
CJ	Electrical equipment	3.3	0.06
CK	Machinery and equipment	6.9	0.30
CL	Transport equipment	-0.8	-0.08
CM	Other manufacturing and repair	1.0	0.06
Sector D	Total Electricity and Gas	-4.2	-0.41
35.1	Electric power generation, transmission and distribution	-3.9	-0.26
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	-4.8	-0.15
Sector E	Total Water	1.5	0.12
36	Water collection, treatment and supply	1.4	0.03
37	Sewerage	7.5	0.17
38	Waste collection, treatment and disposal activities; materials recovery	-2.4	-0.08
39	Remediation activities and other waste management services	0.1	0.00

Source: Office for National Statistics

7 . Links to related statistics

The corresponding price indices used to deflate the Index of Production (IoP) are published in the monthly publication of [UK producer price inflation](#). Product sales by manufacturers are published on an annual basis in [UK manufacturers' sales by product \(PRODCOM\)](#) statistical bulletins; estimates are in current prices, unlike the chained volume measures published in the IoP release.

The data published by BEIS in [Energy Trends](#) are used to measure the mining and quarrying, electricity and gas, and the manufacture of coke and refined petroleum products sectors within this release.

The IoP follows the [Eurostat short-term statistics \(STS\)](#) regulation for measuring output in production. The latest release of [industrial production](#) and [output in manufacturing](#) are available from Eurostat and are updated monthly. It should be noted that an accurate comparison cannot be made between our publication and the Eurostat publication without re-indexing the data to the same base year, as Eurostat data are calculated on a 2010 equals 100 basis, while UK data are calculated on a 2013 equals 100 basis.

Outside the EU, the US Census Bureau releases [Manufacturing and Trade Inventories and Sales](#) reports. Accurate comparisons cannot be made between our publication and the US Census Bureau release, as the UK data are calculated at chained volume indices, which take into account price changes, while the US publication is not adjusted for price changes.

8 . What's new?

In August 2017, we aim to publish further analysis of how the manufacturing sector has reacted to the devaluation of sterling evident since June 2016.

The [Short-term indicators economic commentary](#) was published alongside this release, presenting new information on economic conditions in May 2017, with data available for output in production, construction and the trade balance.

[VAT turnover implementation into National Accounts: June Update](#) was published on 1 June 2017. This update explains that the first use of VAT in the national accounts will be in the Quarterly National Accounts (July to Sept) 2017 and the Index of Services: Oct 2017 bulletins, which are both due for publication on 22 December 2017.

9 . Quality and methodology

The majority of data used to compile the manufacturing sector, and thus the Index of Production (IoP), is collected via the Monthly Business Survey (MBS). The MBS samples around 6,000 businesses every month. The data collected are turnover excluding Value Added Tax (VAT) and exports for some applicable industries. This data is then deflated using [Producer Price Indices \(PPI\)](#). Within the manufacturing sector we also receive direct volume data from BEIS for fuel industries and the [International Steel Statistics Bureau](#) for steel industries.

The mining and quarrying sector is mainly comprised of data from BEIS, including volume of oil and gas extraction and coal extraction. The data used to produce the energy sector is also from BEIS and includes energy and gas supply output. A comprehensive list of the IoP source data can be found in the [GDP\(O\) source catalogue](#).

Within the suite of datasets published monthly alongside this release, you will find:

- [Output of the Production Industries](#) (IOP5) publication tables
- [Revisions to Output of the Production Industries](#) (IOP5R)-
- [Monthly Business Survey response rates](#) for production industries for this publication
- [Revision triangle](#) – monitors the size of monthly and 3-monthly revisions
- [Export proportions for manufacturing industries](#)
- [Index of Production weights 2013 equals 100](#)
- [Index of Production and Sectors to 4 decimal places](#)

The [TOPSI: Production and services turnover](#) is published alongside this release, providing current price estimates for industries collected by the MBS.

The [Index of Production Quality and Methodology Information document](#) contains important information on:

- the strengths and limitations of the data and how it compares with related data
- uses and users of the data
- how the output was created
- the quality of the output including the accuracy of the data

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IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

Section	Broad industry groups					Main industrial groupings					
	Production industries B+C+D+E	Mining and quarrying B	Manufacturing C	Electricity, gas, steam and air conditioning D	Water supply, sewerage and waste management E	Oil and gas extraction 06	Consumer durables MIG-CD	Consumer non-durables MIG-CND	Capital goods MIG-CAG	Intermediate goods MIG-IG	Energy MG-NRG
Latest weight	1 000.0	120.4	700.4	104.5	74.7	96.2	52.1	208.2	235.8	254.6	232.7
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2012	100.7	102.8	101.0	100.2	95.9	109.0	101.3	100.9	99.0	100.6	103.6
2013	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2014	101.5	100.6	102.9	94.0	100.7	98.9	106.2	100.5	103.1	105.0	96.5
2015	102.7	109.1	102.7	94.4	104.1	109.6	106.0	100.8	101.7	105.3	101.2
2016	103.9	109.7	103.5	96.0	109.9	114.2	106.3	101.6	103.4	103.8	103.5
2016 Q1	102.3	107.3	102.2	93.2	108.1	111.1	104.1	101.0	101.2	102.9	101.0
Q2	104.6	109.8	104.0	98.4	110.2	114.3	105.8	102.8	104.3	103.5	104.5
Q3	104.2	114.8	103.2	94.2	110.1	120.6	107.1	100.3	103.9	103.6	105.4
Q4	104.6	106.8	104.5	97.9	111.1	110.9	108.3	102.2	104.4	105.0	103.3
2017 Q1	104.7	108.5	104.8	93.9	112.3	113.0	108.9	100.6	106.5	105.0	102.1
2016 Mar	102.6	108.4	102.0	95.6	108.6	113.3	103.6	100.5	101.7	102.1	102.7
Apr	105.0	109.8	104.5	100.2	109.2	114.5	105.9	104.5	104.0	103.8	105.0
May	104.4	109.1	103.9	97.5	110.8	113.3	106.8	102.6	103.8	103.7	103.9
Jun	104.4	110.6	103.6	97.6	110.8	115.0	104.8	101.4	105.0	103.1	104.4
Jul	104.5	118.3	102.8	95.3	110.8	124.9	106.7	99.8	103.3	103.4	107.7
Aug	104.2	115.1	103.1	94.7	110.1	120.9	107.6	100.3	103.9	103.3	105.6
Sep	103.9	110.9	103.8	92.6	109.5	116.0	106.9	100.9	104.3	104.0	102.9
Oct	102.7	102.0	102.8	96.6	111.4	104.7	107.3	99.1	103.0	104.0	100.1
Nov	105.1	109.9	104.2	100.8	111.3	114.7	106.7	102.3	103.3	105.1	106.2
Dec	106.0	108.6	106.5	96.4	110.7	113.4	110.8	105.2	106.8	105.9	103.5
2017 Jan	105.4	109.7	105.3	97.2	111.8	114.5	109.7	101.3	106.7	105.6	104.2
Feb	104.6	107.1	104.9	94.3	111.9	111.1	110.7	99.9	107.1	105.1	101.5
Mar	104.0	108.7	104.3	90.1	113.1	113.5	106.3	100.5	105.7	104.3	100.6
Apr	104.2	107.0 [†]	104.5	94.1 [†]	111.1 [†]	110.7 [†]	106.6 [†]	101.0 [†]	105.7 [†]	105.0 [†]	101.1 [†]
May	104.1	107.1	104.3	93.4	112.5	111.1	108.0	100.1	105.5	105.0	101.4

Percentage change, latest year on previous year

2012	-2.7	-10.9	-1.4	-0.9	-0.1	-14.1	-2.6	-3.8	1.3	-	-8.9
2013	-0.7	-2.7	-1.0	-0.2	4.3	-8.2	-1.3	-0.9	1.0	-0.6	-3.5
2014	1.5	0.6	2.9	-6.0	0.7	-1.1	6.2	0.5	3.1	5.0	-3.5
2015	1.2	8.4	-0.2	0.5	3.4	10.8	-0.2	0.3	-1.4	0.3	4.9
2016	1.2	0.6	0.7	1.7	5.6	4.2	0.3	0.8	1.7	-1.5	2.3

Percentage change, latest month on same month a year ago

2015 Mar	1.4	0.9	1.1	4.4	0.9	-0.7	4.1	1.3	-0.5	2.5	1.3
Apr	1.2	7.6	-0.3	1.9	4.1	9.6	0.9	-2.5	-0.6	1.5	4.9
May	1.7	9.3	0.2	1.3	4.2	12.8	2.7	0.6	-0.7	0.1	5.8
Jun	1.6	11.2	-0.1	-1.3	6.9	15.0	5.4	-0.9	-1.5	1.7	5.4
Jul	0.7	11.1	-1.3	-3.4	8.3	13.9	1.0	0.2	-4.0	-0.3	4.3
Aug	1.8	19.9	-0.8	-3.1	5.5	26.3	-2.4	-1.0	-0.4	-1.0	9.5
Sep	1.5	9.6	-0.3	3.0	3.6	13.2	-4.4	1.0	-0.9	-1.2	7.1
Oct	1.8	9.7	-	3.5	4.0	12.8	-5.0	2.8	-1.8	-0.5	7.5
Nov	0.6	10.9	-1.4	0.4	3.1	16.3	-3.2	-0.5	-3.1	-1.7	7.4
Dec	-0.3	7.3	-1.4	-7.5	7.8	12.7	-5.7	0.2	-2.0	-3.5	1.8
2016 Jan	0.4	1.9	-0.1	-3.9	8.9	6.5	-4.2	-0.2	1.7	-2.3	0.8
Feb	-0.2	7.8	-1.5	-5.3	5.9	16.0	-0.9	1.6	-2.8	-4.5	3.6
Mar	-0.1	4.3	-1.6	0.6	6.4	10.9	-3.1	-1.6	-0.2	-4.6	4.4
Apr	2.2	1.1	1.3	8.5	4.6	4.8	-0.3	5.0	1.2	-2.8	5.1
May	1.2	-3.9	1.4	3.2	6.2	-2.2	1.9	0.9	2.8	-0.8	0.4
Jun	1.4	0.3	0.9	3.7	4.2	3.4	-4.4	2.7	2.2	-2.9	3.0
Jul	2.1	7.4	1.1	1.4	3.2	12.9	0.1	-0.7	4.3	-1.8	6.2
Aug	0.9	-1.4	1.0	-	5.6	1.0	3.4	0.4	2.0	-1.1	-
Sep	0.5	-0.3	0.6	-3.7	6.0	2.7	2.0	-0.7	1.3	-0.5	-0.4
Oct	-0.8	-9.7	-	-0.4	6.2	-8.4	4.3	-3.7	1.7	-0.3	-4.3
Nov	2.3	-0.8	1.8	7.6	6.3	1.5	0.9	1.5	2.2	1.0	3.6
Dec	4.3	1.7	4.2	9.4	3.5	4.8	4.6	4.1	4.3	3.4	6.1
2017 Jan	3.0	4.5	2.5	5.5	3.3	6.8	4.7	0.7	4.4	1.4	5.2
Feb	2.4	-1.4	3.0	2.5	4.1	-1.5	6.6	-1.8	7.5	2.5	0.3
Mar	1.4	0.3	2.2	-5.7	4.1	0.1	2.5	-	4.0	2.1	-2.1
Apr	-0.8	-2.6 [†]	-	-6.1 [†]	1.8 [†]	-3.3 [†]	0.7 [†]	-3.3 [†]	1.6 [†]	1.2 [†]	-3.8 [†]
May	-0.2	-1.9	0.4	-4.2	1.5	-2.0	1.1	-2.4	1.7	1.3	-2.5

¹ Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

[†] indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

IOP5 Output of the Production Industries

continued Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

Section	Broad industry groups					Main industrial groupings						
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy	
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MG-NRG	
Latest weight	1 000.0	120.4	700.4	104.5	74.7	96.2	52.1	208.2	235.8	254.6	232.7	
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T	
Percentage change, latest month on previous month												
2015	Mar	0.4	3.2	0.3	-2.1	0.6	5.0	2.0	2.0	-0.7	-0.4	0.7
	Apr	0.1	4.5	-0.5	-2.9	2.2	6.8	-0.7	-2.6	0.9	-0.2	1.6
	May	0.3	4.6	-0.7	2.2	-0.1	6.2	-1.4	2.2	-1.8	-2.1	3.6
	Jun	-0.1	-3.0	0.2	-0.3	2.0	-4.0	4.6	-2.9	1.8	1.5	-2.1
	Jul	-0.6	-0.1	-0.9	-0.1	1.0	-0.6	-2.8	1.8	-3.6	-0.8	0.1
	Aug	0.9	5.9	0.4	0.8	-2.9	8.3	-2.4	-0.6	2.8	-0.7	4.1
	Sep	0.1	-4.7	1.0	1.4	-0.9	-5.7	0.7	1.7	1.1	-0.1	-2.2
	Oct	0.2	1.5	-0.3	0.9	1.6	1.2	-1.8	1.2	-1.6	-0.1	1.3
	Nov	-0.8	-1.8	-0.4	-3.5	-0.3	-1.1	2.8	-2.0	-0.2	-0.3	-2.0
	Dec	-1.0	-3.7	-0.2	-5.9	2.2	-4.3	0.2	0.2	1.3	-1.5	-4.7
2016	Jan	0.7	-1.6	0.5	4.5	1.2	-0.8	-1.1	-0.4	-0.1	1.6	1.4
	Feb	-0.3	3.4	-0.9	-0.1	-0.7	5.3	-0.9	1.1	-2.6	-1.4	2.1
	Mar	0.5	-0.2	0.1	4.0	1.1	0.4	-0.3	-1.2	2.0	-0.5	1.5
	Apr	2.4	1.3	2.5	4.8	0.5	1.0	2.2	3.9	2.3	1.6	2.3
	May	-0.6	-0.6	-0.6	-2.7	1.5	-1.0	0.8	-1.8	-0.2	-	-1.1
	Jun	-	1.3	-0.2	0.1	-	1.5	-1.8	-1.2	1.2	-0.6	0.5
	Jul	0.1	7.0	-0.8	-2.4	-	8.5	1.8	-1.6	-1.6	0.2	3.1
	Aug	-0.3	-2.7	0.3	-0.6	-0.6	-3.2	0.8	0.5	0.6	-0.1	-1.9
	Sep	-0.3	-3.6	0.6	-2.3	-0.5	-4.1	-0.7	0.7	0.4	0.6	-2.6
	Oct	-1.2	-8.1	-1.0	4.4	1.8	-9.7	0.4	-1.9	-1.3	0.1	-2.7
	Nov	2.3	7.8	1.4	4.3	-0.2	9.6	-0.6	3.3	0.3	1.0	6.1
	Dec	0.9	-1.3	2.2	-4.3	-0.5	-1.2	3.9	2.8	3.4	0.8	-2.5
2017	Jan	-0.5	1.0	-1.2	0.7	1.0	1.0	-1.0	-3.7	-0.1	-0.3	0.6
	Feb	-0.8	-2.4	-0.4	-3.0	0.1	-2.9	0.9	-1.4	0.3	-0.4	-2.6
	Mar	-0.5	1.5	-0.6	-4.4	1.1	2.1	-4.0	0.6	-1.3	-0.8	-0.9
	Apr	0.2	-1.5 [†]	0.2	4.4 [†]	-1.8 [†]	-2.4 [†]	0.3 [†]	0.5 [†]	- [†]	0.7 [†]	0.5 [†]
	May	-0.1	0.1	-0.2	-0.8	1.2	0.3	1.3	-0.8	-0.1	-	0.3
Percentage change, latest 3 months on same 3 months a year ago²												
2015	Mar	1.2	1.6	1.1	3.8	-1.9	-0.6	3.3	1.2	-0.4	2.6	1.5
	Apr	1.2	2.3	0.6	4.4	0.9	1.0	1.9	-0.8	-	2.6	2.3
	May	1.4	5.9	0.3	2.5	3.0	7.2	2.5	-0.2	-0.6	1.4	4.0
	Jun	1.5	9.3	-0.1	0.6	5.1	12.5	3.0	-0.9	-0.9	1.1	5.4
	Jul	1.3	10.5	-0.4	-1.2	6.5	13.9	3.0	-0.1	-2.1	0.5	5.2
	Aug	1.4	14.0	-0.7	-2.6	6.9	18.3	1.3	-0.6	-2.0	0.1	6.4
	Sep	1.3	13.4	-0.8	-1.2	5.8	17.7	-2.0	0.1	-1.8	-0.8	7.0
	Oct	1.7	12.9	-0.4	1.1	4.3	17.3	-3.9	1.0	-1.0	-0.9	8.0
	Nov	1.3	10.1	-0.5	2.3	3.5	14.1	-4.2	1.1	-1.9	-1.1	7.3
	Dec	0.7	9.3	-0.9	-1.3	4.9	13.9	-4.6	0.9	-2.3	-1.9	5.6
2016	Jan	0.2	6.7	-1.0	-3.7	6.6	11.7	-4.4	-0.1	-1.2	-2.5	3.3
	Feb	-	5.6	-1.0	-5.6	7.5	11.7	-3.7	0.5	-1.1	-3.4	2.1
	Mar	-	4.6	-1.1	-2.9	7.1	11.1	-2.8	-0.1	-0.5	-3.8	2.9
	Apr	0.6	4.3	-0.6	1.1	5.6	10.4	-1.5	1.6	-0.6	-4.0	4.4
	May	1.1	0.4	0.3	4.0	5.7	4.2	-0.5	1.4	1.3	-2.8	3.3
	Jun	1.6	-0.9	1.2	5.1	5.0	1.9	-1.0	2.9	2.0	-2.2	2.8
	Jul	1.6	1.2	1.1	2.8	4.5	4.6	-0.8	1.0	3.1	-1.8	3.2
	Aug	1.4	2.0	1.0	1.7	4.3	5.6	-0.3	0.8	2.8	-1.9	3.0
	Sep	1.2	1.8	0.9	-0.8	4.9	5.4	1.8	-0.3	2.5	-1.1	1.9
	Oct	0.2	-3.8	0.5	-1.4	6.0	-1.5	3.2	-1.3	1.7	-0.7	-1.5
	Nov	0.7	-3.6	0.8	1.1	6.2	-1.4	2.4	-1.0	1.7	0.1	-0.4
	Dec	1.9	-3.0	2.0	5.4	5.3	-0.8	3.2	0.6	2.7	1.3	1.7
2017	Jan	3.2	1.7	2.8	7.5	4.3	4.3	3.4	2.1	3.6	1.9	4.9
	Feb	3.3	1.6	3.2	5.7	3.6	3.3	5.3	1.0	5.3	2.4	3.8
	Mar	2.3	1.1	2.6	0.7	3.8	1.7	4.6	-0.4	5.2	2.0	1.1
	Apr	1.0	-1.2 [†]	1.7	-3.2 [†]	3.3 [†]	-1.6 [†]	3.2 [†]	-1.8 [†]	4.3	1.9 [†]	-1.9
	May	0.1	-1.4	0.9	-5.3	2.5	-1.7	1.4	-1.9	2.4	1.5	-2.8

1 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
2 Any apparent inconsistencies between these tables and the latest GDP estimate are due to rounding.

[†] indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

Section	Broad industry groups					Main industrial groupings					
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MG-NRG
Latest weight	1 000.0	120.4	700.4	104.5	74.7	96.2	52.1	208.2	235.8	254.6	232.7
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
Percentage change, latest 3 months on previous 3 months²											
2015											
Mar	0.4	1.8	-0.1	2.1	0.5	2.0	-2.6	0.4	-2.2	1.3	2.0
Apr	0.6	3.6	-	0.1	2.6	5.0	-3.9	-0.4	-0.7	0.9	2.2
May	0.8	7.6	-0.2	-2.2	3.6	11.3	-2.6	0.5	-0.7	-0.5	3.4
Jun	0.6	8.1	-0.5	-2.5	4.0	12.0	-0.2	-1.1	0.5	-1.1	3.6
Jul	0.2	6.6	-1.1	-0.7	3.3	9.4	0.9	-0.3	-1.4	-1.6	3.5
Aug	-	3.4	-0.9	0.3	2.3	4.4	0.7	-1.4	-0.6	-0.8	2.2
Sep	0.1	1.7	-0.4	1.4	-	2.0	-1.6	0.7	-0.9	-1.1	1.8
Oct	0.6	2.0	0.4	1.9	-1.7	2.7	-2.9	1.2	1.1	-0.9	2.4
Nov	0.3	-0.6	0.6	1.3	-1.6	-0.4	-2.1	2.1	0.5	-1.0	0.7
Dec	-0.4	-2.3	0.1	-2.2	0.5	-2.3	-0.3	0.9	0.3	-1.1	-1.8
2016											
Jan	-1.2	-5.3	-0.2	-4.9	2.4	-5.3	1.5	-0.6	-0.1	-0.9	-4.6
Feb	-1.2	-4.4	-0.5	-5.0	3.2	-3.5	0.4	-0.6	-0.3	-1.2	-4.1
Mar	-0.3	-2.6	-0.3	0.4	2.5	-0.6	-0.7	-0.6	-0.4	-0.7	-0.6
Apr	1.0	1.3	0.3	5.1	1.7	3.7	-1.0	1.4	-0.1	-0.7	3.3
May	2.0	2.2	1.2	7.7	1.8	3.9	0.5	1.4	1.7	0.2	4.7
Jun	2.2	2.3	1.8	5.6	2.0	2.8	1.7	1.8	3.0	0.6	3.5
Jul	1.1	3.4	0.6	0.9	2.2	3.7	1.6	-1.0	2.2	0.6	2.3
Aug	0.3	5.1	-0.3	-2.0	1.0	5.8	0.9	-2.0	0.9	0.1	1.9
Sep	-0.4	4.5	-0.7	-4.3	-0.1	5.5	1.2	-2.4	-0.4	-	0.9
Oct	-0.8	-3.0	-0.2	-2.2	-0.4	-3.3	1.1	-1.1	-0.3	0.3	-2.3
Nov	-0.5	-6.1	0.4	0.8	0.2	-7.0	0.5	0.3	-0.5	1.0	-2.7
Dec	0.4	-6.9	1.2	4.0	0.9	-8.0	1.1	1.8	0.5	1.4	-2.0
2017											
Jan	1.8	0.1	2.0	3.7	0.8	0.3	1.7	2.8	1.8	1.7	1.7
Feb	1.4	0.8	1.9	-0.7	0.7	1.1	3.2	1.3	3.2	1.2	-
Mar	0.1	1.5	0.3	-4.2	1.0	1.9	0.6	-1.6	2.1	-	-1.2
Apr	-1.2	-1.7 ^T	-0.7	-5.4 ^T	0.7 ^T	-2.1 ^T	-1.1 ^T	-2.4 ^T	0.5	-0.7	-3.4 ^T
May	-1.2	-0.8	-1.1	-3.5	0.7	-1.1	-3.1	-1.5	-1.2	-0.7	-2.0

¹ Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

² Any apparent inconsistencies between these tables and the latest GDP estimate are due to rounding.

^T indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2013 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	114.2	25.4	51.0	9.2	39.8	58.7
	K22B	K22P	K22T	K22X	K22Z	K239
2012	101.7	104.6	97.8	102.0	101.1	102.7
2013	100.0	100.0	100.0	100.0	100.0	100.0
2014	104.2	97.3	101.1	91.1	102.8	95.0
2015	104.0	97.1	101.5	93.5	108.9	95.6
2016	105.1	93.2	101.5	91.7	106.3	99.4
2016 Q1	104.7	92.3	100.3	90.2	105.3	96.7
Q2	105.4	91.6	102.5	89.8	105.7	101.2
Q3	105.2	95.1	101.1	91.6	107.6	95.4
Q4	105.0	93.6	102.1	95.4	106.6	104.4
2017 Q1	105.3	98.7	104.3	92.3	108.3	94.7
2016 Mar	103.4	89.0	100.1	83.5	104.7	99.0
Apr	104.9	94.2	101.8	82.9	106.3	107.3
May	106.3	88.3	103.5	92.5	106.0	98.8
Jun	105.1	92.2	102.1	93.9	104.7	97.6
Jul	104.9	94.8	100.9	91.7	107.2	92.8
Aug	105.1	95.4	101.2	89.2	106.6	95.1
Sep	105.7	95.2	101.2	93.9	109.0	98.2
Oct	104.6	92.7	100.8	95.7	107.0	94.8
Nov	104.8	92.7	102.8	97.3	106.4	104.9
Dec	105.6	95.4	102.7	93.1	106.3	113.5
2017 Jan	104.6	95.9	105.0	92.0	109.2	98.8
Feb	105.4	98.8	103.2	91.5	107.0	92.9
Mar	105.9	101.6	104.8	93.5	108.8	92.3
Apr	106.9 [†]	98.3 [†]	103.6 [†]	89.3 [†]	109.3	94.1 [†]
May	104.8	99.6	104.1	94.4	108.4	95.1
Percentage change, latest year on previous year						
2012	-2.6	-3.4	-5.3	-10.1	-1.9	-5.8
2013	-1.7	-4.4	2.3	-1.9	-1.1	-2.6
2014	4.2	-2.7	1.1	-8.9	2.8	-5.0
2015	-0.1	-0.3	0.4	2.7	6.0	0.6
2016	1.0	-4.1	-	-1.9	-2.4	4.0
Percentage change, latest month on same month a year ago						
2015 Mar	0.4	-1.0	3.9	-7.3	7.3	0.8
Apr	-1.3	-3.0	2.4	-7.8	8.2	-7.1
May	-0.1	-6.5	-0.1	-6.3	3.4	6.0
Jun	-0.7	3.9	-1.0	-4.0	7.1	-2.2
Jul	-1.0	6.1	-0.7	9.6	5.2	-0.3
Aug	-0.7	-3.5	-2.7	9.3	8.6	-1.1
Sep	0.6	2.4	-1.0	10.2	4.5	2.5
Oct	-0.3	6.8	-1.6	11.9	5.7	9.1
Nov	-0.4	2.8	0.7	14.1	4.6	-1.0
Dec	-1.3	6.8	0.8	2.9	2.4	-
2016 Jan	0.2	5.5	-2.3	4.3	-2.4	-1.8
Feb	1.0	-6.4	-3.2	-2.8	-6.0	6.8
Mar	-0.8	-10.7	-2.2	-3.6	-4.9	1.1
Apr	2.0	-4.4	-0.2	-3.4	-4.6	16.0
May	3.2	-13.3	2.8	7.8	-0.4	-1.2
Jun	2.2	-8.6	2.5	12.2	-2.8	7.4
Jul	1.5	-4.0	0.8	-5.0	-1.5	-3.4
Aug	1.0	5.5	0.6	-7.8	-2.1	-0.5
Sep	0.9	-1.4	-0.5	-4.7	0.1	0.9
Oct	-0.1	-5.6	-0.2	-6.6	-1.6	-5.7
Nov	0.2	-3.4	-0.1	-5.8	-3.0	11.1
Dec	1.0	-0.1	1.9	-4.2	0.2	18.6
2017 Jan	-0.5	-1.5	3.5	-3.4	2.7	6.8
Feb	-0.1	8.9	3.7	-0.4	2.1	-5.8
Mar	2.4	14.2	4.7	11.9	3.8	-6.7
Apr	1.9 [†]	4.3 [†]	1.7 [†]	7.7 [†]	2.8	-12.3 [†]
May	-1.4	12.7	0.7	2.0	2.3	-3.8

¹ Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

[†] indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2013 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	55.0	83.1	36.2	20.9	50.6	92.0	64.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2012	102.8	102.9	102.1	104.9	113.4	92.9	95.6
2013	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2014	113.1	101.5	103.9	96.8	104.3	103.5	105.6
2015	109.8	101.9	102.0	98.1	91.1	109.6	103.7
2016	112.3	100.7	101.0	92.5	90.0	113.5	107.3
2016 Q1	111.2	101.3	98.3	94.2	88.1	109.8	106.6
Q2	113.7	100.1	100.6	91.8	90.0	116.0	107.6
Q3	111.9	100.2	101.0	89.9	90.4	113.9	107.9
Q4	112.5	101.2	104.2	93.9	91.4	114.1	107.3
2017 Q1	112.0	99.7	103.1	93.7	94.7	117.7	110.2
2016 Mar	110.6	100.9	96.8	92.7	90.0	110.8	106.6
Apr	114.6	99.6	99.4	93.4	91.8	116.6	106.1
May	113.5	100.4	101.5	90.0	89.6	116.3	106.6
Jun	112.9	100.3	100.8	92.0	88.6	115.1	110.0
Jul	111.8	100.5	100.4	89.7	89.9	113.1	108.3
Aug	111.2	99.9	101.6	89.1	91.1	115.3	106.2
Sep	112.6	100.1	101.0	90.9	90.1	113.4	109.2
Oct	111.8	99.0	102.1	92.5	89.3	112.9	107.7
Nov	113.2	100.0	101.9	95.8	91.4	114.3	105.1
Dec	112.6	104.7	108.7	93.4	93.5	115.3	109.2
2017 Jan	113.0	100.5	105.0	94.0	93.4	118.3	109.8
Feb	111.4	99.8	104.7	96.1	95.6	118.3	111.2
Mar	111.5	98.9	99.5	90.9	95.0	116.4	109.5
Apr	111.0 [†]	99.6	100.8 [†]	94.5 [†]	94.3 [†]	118.1 [†]	106.7 [†]
May	111.6	99.7	103.2	93.0	95.8	115.4	107.6
Percentage change, latest year on previous year							
2012	-4.2	2.9	0.5	10.9	1.1	4.4	-6.3
2013	-2.8	-2.8	-2.1	-4.7	-11.8	7.6	4.6
2014	13.1	1.5	3.9	-3.2	4.3	3.5	5.6
2015	-3.0	0.4	-1.8	1.3	-12.7	5.9	-1.8
2016	2.3	-1.2	-1.0	-5.7	-1.2	3.5	3.5
Percentage change, latest month on same month a year ago							
2015 Mar	-0.5	3.7	0.9	0.7	-11.7	4.3	2.8
Apr	-3.4	3.1	-1.3	2.6	-9.3	3.9	1.9
May	-3.1	0.5	0.8	4.2	-15.1	7.8	0.7
Jun	-2.3	3.0	7.7	-3.0	-14.7	3.3	-0.6
Jul	-3.6	0.1	-0.5	-0.8	-16.6	2.7	-4.2
Aug	-6.1	-1.2	-0.4	4.7	-12.8	10.7	-8.1
Sep	-4.0	-1.4	-6.4	2.5	-12.9	7.0	-1.3
Oct	-4.3	-0.5	-4.2	6.6	-14.6	8.9	-8.8
Nov	-4.0	-3.6	-5.8	-0.2	-13.1	4.8	-4.6
Dec	-4.5	-3.5	-9.4	-3.5	-11.6	4.4	-0.1
2016 Jan	1.0	-1.7	-1.7	-2.0	-6.8	4.3	2.0
Feb	0.3	-4.1	-3.3	-3.4	-9.0	-0.4	1.1
Mar	-0.5	-3.2	-5.7	-6.7	-4.1	3.4	-
Apr	3.8	-4.7	-3.1	-6.1	-4.0	8.3	-0.6
May	4.3	0.5	0.6	-8.7	-0.8	5.8	2.6
Jun	3.0	-4.8	-6.2	-6.7	-2.0	4.9	5.3
Jul	1.8	0.8	-1.7	-7.7	1.4	5.2	6.4
Aug	2.9	-1.8	-0.3	-8.7	2.0	3.0	5.6
Sep	2.9	-0.3	-0.7	-8.9	-0.9	1.9	4.5
Oct	1.9	-1.2	1.9	-5.6	1.9	-0.5	9.7
Nov	3.8	0.9	2.4	-1.2	4.5	2.6	1.1
Dec	2.7	6.3	6.5	-2.7	4.7	3.7	5.1
2017 Jan	1.1	-1.5	4.4	-0.9	6.9	6.6	2.3
Feb	0.3	-1.2	7.4	1.2	9.9	10.1	5.1
Mar	0.8	-2.0	2.8	-1.9	5.5	5.1	2.7
Apr	-3.1 [†]	-0.1 [†]	1.4 [†]	1.1 [†]	2.7 [†]	1.3 [†]	0.6 [†]
May	-1.7	-0.7	1.6	3.3	6.9	-0.8	1.0

¹ Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

[†] indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	114.2	25.4	51.0	9.2	39.8	58.7
	K22B	K22P	K22T	K22X	K22Z	K239
Percentage change, latest month on previous month						
2015 Mar	-0.2	2.9	-0.5	-8.3	-1.2	6.0
Apr	-1.3	-1.1	-0.3	-1.0	1.2	-5.5
May	0.1	3.4	-1.3	-	-4.5	8.1
Jun	-0.2	-1.0	-1.0	-2.4	1.3	-9.2
Jul	0.6	-2.0	0.4	15.3	1.0	5.7
Aug	0.6	-8.4	0.4	0.3	0.1	-0.5
Sep	0.7	6.7	1.1	1.8	-	1.8
Oct	-0.1	1.8	-0.6	4.1	-0.2	3.4
Nov	-0.1	-2.3	1.8	0.8	0.9	-6.0
Dec	-0.1	-0.5	-2.0	-5.9	-3.2	1.3
2016 Jan	0.5	1.9	0.6	-2.1	0.1	-3.2
Feb	0.5	-6.8	-1.9	-3.6	-1.3	6.5
Mar	-2.0	-1.9	0.6	-9.0	-0.1	0.4
Apr	1.5	5.9	1.8	-0.7	1.5	8.4
May	1.3	-6.2	1.6	11.5	-0.3	-7.9
Jun	-1.1	4.4	-1.3	1.5	-1.2	-1.2
Jul	-0.2	2.8	-1.2	-2.3	2.4	-4.9
Aug	0.1	0.6	0.3	-2.7	-0.5	2.4
Sep	0.6	-0.2	-	5.2	2.2	3.2
Oct	-1.0	-2.6	-0.3	2.0	-1.9	-3.4
Nov	0.2	0.1	1.9	1.6	-0.5	10.6
Dec	0.8	2.8	-	-4.3	-0.1	8.2
2017 Jan	-1.0	0.5	2.2	-1.2	2.7	-12.9
Feb	0.8	3.0	-1.7	-0.6	-2.0	-6.0
Mar	0.5	2.8	1.5	2.2	1.6	-0.6
Apr	1.0 [†]	-3.2 [†]	-1.1 [†]	-4.5 [†]	0.5	1.9 [†]
May	-2.0	1.3	0.5	5.7	-0.9	1.1
Percentage change, latest 3 months on same 3 months a year ago						
2015 Mar	1.2	-5.4	2.9	-2.2	7.5	0.7
Apr	-0.1	-3.0	2.7	-3.8	8.6	-4.0
May	-0.4	-3.6	2.0	-7.1	6.3	-0.2
Jun	-0.7	-2.0	0.4	-6.1	6.2	-1.2
Jul	-0.6	0.8	-0.6	-0.3	5.2	1.2
Aug	-0.8	2.2	-1.5	5.0	7.0	-1.2
Sep	-0.4	1.7	-1.5	9.7	6.1	0.4
Oct	-0.1	1.9	-1.8	10.5	6.2	3.4
Nov	-	4.0	-0.6	12.1	4.9	3.5
Dec	-0.7	5.4	-	9.6	4.2	2.6
2016 Jan	-0.5	5.0	-0.3	7.1	1.5	-0.9
Feb	-	1.8	-1.6	1.4	-2.1	1.6
Mar	0.1	-4.1	-2.6	-0.7	-4.4	2.0
Apr	0.7	-7.2	-1.9	-3.3	-5.2	7.8
May	1.5	-9.5	0.1	0.2	-3.4	5.0
Jun	2.5	-8.8	1.7	5.5	-2.7	7.1
Jul	2.3	-8.7	2.0	4.5	-1.6	0.8
Aug	1.6	-2.6	1.3	-0.8	-2.1	1.0
Sep	1.1	-0.1	0.3	-5.8	-1.2	-1.0
Oct	0.6	-0.7	-	-6.4	-1.2	-1.8
Nov	0.3	-3.5	-0.3	-5.7	-1.5	1.9
Dec	0.4	-3.1	0.5	-5.6	-1.5	7.8
2017 Jan	0.2	-1.7	1.8	-4.5	-0.1	12.2
Feb	0.1	2.3	3.1	-2.7	1.6	6.4
Mar	0.6	7.0	4.0	2.4	2.9	-2.1
Apr	1.4 [†]	9.1 [†]	3.4 [†]	6.2 [†]	2.9	-8.4 [†]
May	0.9	10.3	2.4	7.0	3.0	-7.7

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IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair	
	CG	CH	CI	CJ	CK	CL	CM	
Latest weight	55.0	83.1	36.2	20.9	50.6	92.0	64.4	
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z	
Percentage change, latest month on previous month								
2015	Mar	0.4	-0.9	1.9	1.0	-1.7	-0.7	1.8
	Apr	-0.8	0.3	-	0.1	1.8	0.5	0.1
	May	-1.3	-4.5	-1.7	-0.9	-5.5	2.0	-2.7
	Jun	0.6	5.5	6.5	-	0.1	-0.2	0.6
	Jul	0.2	-5.4	-5.0	-1.5	-1.9	-2.0	-2.7
	Aug	-1.6	2.2	-0.2	0.4	0.7	4.1	-1.1
	Sep	1.2	-1.4	-0.2	2.3	1.8	-0.5	3.9
	Oct	0.3	-0.2	-1.4	-1.8	-3.5	1.9	-6.1
	Nov	-0.6	-1.1	-0.6	-1.0	-0.1	-1.8	6.0
	Dec	0.5	-0.7	2.4	-1.0	2.1	-0.2	-0.1
2016	Jan	2.1	3.6	-1.4	-1.2	-2.2	-0.1	3.3
	Feb	-0.7	-1.0	-3.1	0.2	-0.4	-3.2	-1.4
	Mar	-0.4	-	-0.6	-2.4	3.5	3.1	0.7
	Apr	3.5	-1.3	2.7	0.8	2.0	5.3	-0.5
	May	-0.9	0.7	2.1	-3.7	-2.4	-0.3	0.5
	Jun	-0.5	-0.1	-0.7	2.2	-1.1	-1.0	3.2
	Jul	-1.0	0.2	-0.4	-2.5	1.5	-1.8	-1.6
	Aug	-0.5	-0.6	1.2	-0.6	1.3	1.9	-1.9
	Sep	1.2	0.1	-0.6	2.0	-1.1	-1.6	2.8
	Oct	-0.7	-1.1	1.1	1.8	-0.8	-0.5	-1.4
	Nov	1.3	1.0	-0.2	3.6	2.4	1.2	-2.4
	Dec	-0.6	4.6	6.6	-2.5	2.3	0.9	3.8
2017	Jan	0.4	-4.0	-3.4	0.6	-0.1	2.7	0.6
	Feb	-1.5	-0.7	-0.3	2.3	2.4	-	1.3
	Mar	0.1	-0.8	-4.9	-5.4	-0.7	-1.6	-1.6
	Apr	-0.5 [†]	0.7	1.3 [†]	3.9 [†]	-0.7 [†]	1.5 [†]	-2.5 [†]
	May	0.5	0.1	2.3	-1.6	1.6	-2.3	0.8
Percentage change, latest 3 months on same 3 months a year ago								
2015	Mar	-0.2	2.9	-0.4	1.1	-10.6	5.7	1.2
	Apr	-1.3	3.4	-0.4	2.1	-10.3	4.9	2.1
	May	-2.3	2.4	0.1	2.5	-12.0	5.3	1.8
	Jun	-2.9	2.2	2.4	1.2	-13.1	5.0	0.7
	Jul	-3.0	1.2	2.6	0.1	-15.5	4.6	-1.4
	Aug	-4.0	0.6	2.2	0.2	-14.7	5.5	-4.3
	Sep	-4.6	-0.8	-2.5	2.1	-14.1	6.8	-4.6
	Oct	-4.8	-1.0	-3.7	4.5	-13.4	8.9	-6.1
	Nov	-4.1	-1.8	-5.5	2.9	-13.5	6.9	-4.9
	Dec	-4.2	-2.5	-6.5	0.8	-13.1	6.0	-4.5
2016	Jan	-2.5	-2.9	-5.7	-1.9	-10.6	4.5	-0.9
	Feb	-1.1	-3.1	-5.0	-3.0	-9.2	2.8	1.0
	Mar	0.3	-3.0	-3.6	-4.0	-6.6	2.4	1.0
	Apr	1.2	-4.0	-4.0	-5.4	-5.7	3.8	0.2
	May	2.5	-2.5	-2.7	-7.1	-3.0	5.8	0.7
	Jun	3.7	-3.1	-3.0	-7.2	-2.3	6.3	2.4
	Jul	3.0	-1.2	-2.5	-7.7	-0.5	5.3	4.8
	Aug	2.6	-2.0	-2.8	-7.7	0.5	4.4	5.8
	Sep	2.5	-0.4	-0.9	-8.4	0.9	3.4	5.5
	Oct	2.6	-1.1	0.3	-7.7	1.0	1.5	6.6
	Nov	2.8	-0.2	1.2	-5.3	1.8	1.3	5.0
	Dec	2.8	2.0	3.6	-3.2	3.7	1.9	5.2
2017	Jan	2.5	1.9	4.4	-1.6	5.3	4.3	2.8
	Feb	1.3	1.2	6.1	-0.8	7.1	6.7	4.1
	Mar	0.7	-1.6	4.9	-0.5	7.4	7.2	3.4
	Apr	-0.7	-1.1	3.9 [†]	0.1	6.0 [†]	5.4	2.8 [†]
	May	-1.4	-0.9	1.9	0.8	5.0	1.8	1.4

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[†] indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	114.2	25.4	51.0	9.2	39.8	58.7
	K22B	K22P	K22T	K22X	K22Z	K239
Percentage change, latest 3 months on previous 3 months						
2015 Mar	-0.8	5.1	1.4	-1.5	6.2	0.5
Apr	-1.3	7.3	0.4	-3.4	5.0	-0.9
May	-1.7	7.7	-0.5	-7.8	1.2	2.9
Jun	-1.6	4.3	-2.1	-6.3	-1.5	-0.4
Jul	-0.8	2.2	-2.2	-0.4	-3.0	1.5
Aug	0.1	-3.3	-1.5	7.3	-0.8	-2.7
Sep	1.2	-5.1	-	14.3	0.3	1.9
Oct	1.4	-5.4	0.9	12.0	1.1	2.2
Nov	1.3	0.2	1.7	9.9	0.5	3.4
Dec	0.5	1.4	0.8	3.9	-0.7	0.6
2016 Jan	0.2	1.3	0.6	-0.7	-1.3	-3.6
Feb	0.3	-2.5	-1.3	-6.6	-3.0	-1.9
Mar	-	-4.4	-1.2	-10.7	-2.7	-0.2
Apr	-0.1	-5.2	-1.2	-12.7	-1.9	7.8
May	-0.2	-4.2	1.2	-8.9	-0.1	6.4
Jun	0.8	-0.8	2.1	-0.5	0.3	4.7
Jul	0.8	0.5	1.7	7.7	0.6	-5.1
Aug	0.1	4.0	-0.4	6.2	0.5	-6.4
Sep	-0.2	3.9	-1.4	2.1	1.8	-5.8
Oct	-0.3	2.9	-1.1	0.3	1.5	-0.4
Nov	-	-0.6	0.2	4.4	1.2	4.3
Dec	-0.2	-1.6	1.0	4.1	-1.0	9.5
2017 Jan	-0.1	0.3	2.4	1.3	-0.2	10.1
Feb	0.1	3.4	2.0	-3.6	0.1	2.4
Mar	0.2	5.5	2.2	-3.2	1.6	-9.3
Apr	1.0 [†]	5.2 [†]	0.4 [†]	-2.9 [†]	1.0	-12.0 [†]
May	0.6	3.2	0.5	0.2	1.2	-7.8

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[†] indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2013 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	55.0	83.1	36.2	20.9	50.6	92.0	64.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
Percentage change, latest 3 months on previous 3 months							
2015							
Mar	-3.0	2.6	-5.3	2.0	-7.0	1.5	-1.3
Apr	-2.0	1.8	-4.5	1.2	-3.5	1.2	-
May	-1.7	-0.8	-3.0	0.9	-3.6	1.3	1.0
Jun	-1.2	-1.1	1.8	0.8	-2.5	1.8	-0.4
Jul	-1.2	-2.9	1.5	-0.9	-5.5	1.3	-2.5
Aug	-0.9	-0.6	1.7	-1.4	-4.1	1.3	-3.3
Sep	-0.5	-2.6	-1.7	-0.7	-2.7	1.0	-2.6
Oct	-0.4	-0.8	-2.2	0.3	-0.6	2.9	-2.2
Nov	0.2	-2.3	-3.2	0.5	-0.9	2.2	-0.1
Dec	0.4	-1.3	-1.3	-1.2	-1.6	1.6	-0.2
2016							
Jan	1.0	-0.9	-0.5	-2.5	-1.3	-0.9	4.0
Feb	1.3	0.6	-0.5	-3.0	-0.9	-1.9	3.4
Mar	1.6	2.0	-2.3	-2.9	-	-2.0	4.5
Apr	1.7	0.6	-2.8	-2.3	1.7	0.4	1.1
May	1.9	-0.1	-0.7	-3.4	2.9	4.3	0.7
Jun	2.2	-1.2	2.4	-2.5	2.1	5.7	0.9
Jul	0.6	-0.1	3.1	-3.4	-0.3	2.8	2.0
Aug	-0.8	-0.1	1.7	-1.9	-0.7	-0.1	1.6
Sep	-1.6	0.1	0.4	-2.1	0.4	-1.8	0.3
Oct	-0.8	-0.7	0.7	0.3	0.9	-0.8	-0.6
Nov	0.5	-0.5	0.7	3.1	0.5	-0.8	-0.8
Dec	0.6	1.1	3.2	4.5	1.2	0.2	-0.5
2017							
Jan	1.0	2.1	3.6	3.9	2.9	1.8	0.3
Feb	-0.2	1.9	4.3	1.5	4.3	3.3	2.5
Mar	-0.5	-1.5	-1.1	-0.3	3.6	3.1	2.7
Apr	-1.4	-2.3	-3.3 [†]	-0.6	2.3 [†]	1.5	1.0 [†]
May	-0.9	-2.2	-4.6	-1.8	0.9	-0.5	-1.9

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- [Page 1](#) Output by Broad industry groups and Main industrial groupings
Percentage change, latest year on previous year
Percentage change, latest month on same month a year ago
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Percentage change, latest year on previous year
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Percentage change, latest year on previous year
Percentage change, latest month on same month a year ago
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Percentage change, latest 3 months on same 3 months a year ago
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Percentage change, latest 3 months on same 3 months a year ago
- [Page 8](#) Percentage change, latest 3 months on previous 3 months part 1
- [Page 9](#) Percentage change, latest 3 months on previous 3 months part 2
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IOP5R

Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

Section	Broad industry groups					Main industrial groupings					
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MG-NRG
Latest weight	1 000.0	120.4	700.4	104.5	74.7	96.2	52.1	208.2	235.8	254.6	232.7
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2012	-	-	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-
2016 Q1	-	-	-	-	-	-	-	-	-	-	-
2016 Q2	-	-	-	-	-	-	-	-	-	-	-
2016 Q3	-	-	-	-	-	-	-	-	-	-	-
2016 Q4	-	-	-	-	-	-	-	-	-	-	-
2017 Q1	-	-	-	-	-	-	-	-	-	-	-
2016 Feb	-	-	-	-	-	-	-	-	-	-	-
2016 Mar	-	-	-	-	-	-	-	-	-	-	-
2016 Apr	-	-	-	-	-	-	-	-	-	-	-
2016 May	-	-	-	-	-	-	-	-	-	-	-
2016 Jun	-	-	-	-	-	-	-	-	-	-	-
2016 Jul	-	-	-	-	-	-	-	-	-	-	-
2016 Aug	-	-	-	-	-	-	-	-	-	-	-
2016 Sep	-	-	-	-	-	-	-	-	-	-	-
2016 Oct	-	-	-	-	-	-	-	-	-	-	-
2016 Nov	-	-	-	-	-	-	-	-	-	-	-
2016 Dec	-	-	-	-	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-	-	-	-	-
2017 Feb	-	-	-	-	-	-	-	-	-	-	-
2017 Mar	-	-	-	-	-	-	-	-	-	-	-
2017 Apr	-	-1.1	-	1.3	-0.5	-1.3	0.6	-0.2	0.2	-0.1	0.2

Percentage change, latest year on previous year

2012	-	-	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-

Percentage change, latest month on same month a year ago

2015 Feb	-	-	-	-	-	-	-	-	-	-	-
2015 Mar	-	-	-	-	-	-	-	-	-	-	-
2015 Apr	-	-	-	-	-	-	-	-	-	-	-
2015 May	-	-	-	-	-	-	-	-	-	-	-
2015 Jun	-	-	-	-	-	-	-	-	-	-	-
2015 Jul	-	-	-	-	-	-	-	-	-	-	-
2015 Aug	-	-	-	-	-	-	-	-	-	-	-
2015 Sep	-	-	-	-	-	-	-	-	-	-	-
2015 Oct	-	-	-	-	-	-	-	-	-	-	-
2015 Nov	-	-	-	-	-	-	-	-	-	-	-
2015 Dec	-	-	-	-	-	-	-	-	-	-	-
2016 Jan	-	-	-	-	-	-	-	-	-	-	-
2016 Feb	-	-	-	-	-	-	-	-	-	-	-
2016 Mar	-	-	-	-	-	-	-	-	-	-	-
2016 Apr	-	-	-	-	-	-	-	-	-	-	-
2016 May	-	-	-	-	-	-	-	-	-	-	-
2016 Jun	-	-	-	-	-	-	-	-	-	-	-
2016 Jul	-	-	-	-	-	-	-	-	-	-	-
2016 Aug	-	-	-	-	-	-	-	-	-	-	-
2016 Sep	-	-	-	-	-	-	-	-	-	-	-
2016 Oct	-	-	-	-	-	-	-	-	-	-	-
2016 Nov	-	-	-	-	-	-	-	-	-	-	-
2016 Dec	-	-	-	-	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-	-	-	-	-
2017 Feb	-	-	-	-	-	-	-	-	-	-	-
2017 Mar	-	-	-	-	-	-	-	-	-	-	-
2017 Apr	-	-1.0	-	1.3	-0.4	-1.1	0.6	-0.2	0.1	-0.1	0.2

¹ Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

[†] indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

Section	Broad industry groups						Main industrial groupings				
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MG-NRG
Latest weight	1 000.0	120.4	700.4	104.5	74.7	96.2	52.1	208.2	235.8	254.6	232.7
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
Percentage change, latest month on previous month											
2015	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2016	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-0.9	-	1.5	-0.4	-1.1	0.5	-0.2	0.2	-0.1
Percentage change, latest 3 months on same 3 months a year ago											
2015	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2016	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-0.3	-	0.5	-0.2	-0.4	0.1	-0.1	-	-0.1

¹ Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

[†] indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

Output of the Production Industries
Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

Section	Broad industry groups						Main industrial groupings				
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MG-NRG
Latest weight	1 000.0	120.4	700.4	104.5	74.7	96.2	52.1	208.2	235.8	254.6	232.7
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
Percentage change, latest 3 months on previous 3 months											
2015 Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2016 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-0.4	-	0.4	-0.1	-0.3	0.2	-0.1	-	-	0.1

¹ Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

[†] indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	114.2	25.4	51.0	9.2	39.8	58.7
	K22B	K22P	K22T	K22X	K22Z	K239
2012	-	-	-	-	-	-
2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-
2016 Q1	-	-	-	-	-	-
Q2	-	-	-	-	-	-
Q3	-	-	-	-	-	-
Q4	-	-	-	-	-	-
2017 Q1	-	-	-	-	-	-
2016 Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	0.3	0.1	-1.9	2.5	-	-0.1

Percentage change, latest year on previous year

2012	-	-	-	-	-	-
2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-

Percentage change, latest month on same month a year ago

2015 Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2016 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	0.3	0.1	-1.9	3.0	-	-0.1

¹ Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

[†] indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	55.0	83.1	36.2	20.9	50.6	92.0	64.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2012	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-
2016 Q1	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-
2017 Q1	-	-	-	-	-	-	-
2016 Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-0.1	-	0.8	0.1	-0.2	-0.2	0.3

Percentage change, latest year on previous year

2012	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-

Percentage change, latest month on same month a year ago

2015 Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2016 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-0.1	-0.1	0.9	0.1	-0.3	-0.1	0.3

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Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	114.2	25.4	51.0	9.2	39.8	58.7
	K22B	K22P	K22T	K22X	K22Z	K239

Percentage change, latest month on previous month

2015	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2016	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	0.4	0.1	-1.7	2.6	-	-0.1

Percentage change, latest 3 months on same 3 months a year ago

2015	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2016	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	0.1	0.1	-0.6	1.0	-	-0.1

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[†] indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	55.0	83.1	36.2	20.9	50.6	92.0	64.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

Percentage change, latest month on previous month

2015	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2016	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-0.1	-	0.9	0.1	-0.2	-0.1	0.3

Percentage change, latest 3 months on same 3 months a year ago

2015	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2016	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	0.3	-	-0.1	-	0.1

¹ Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding

[†] indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
Section	CA	CB	CC	CD	CE	CF
Latest weight	114.2	25.4	51.0	9.2	39.8	58.7
	K22B	K22P	K22T	K22X	K22Z	K239

Percentage change, latest 3 months on previous 3 months

2015	Feb	-	-	-	-	-
	Mar	-	-	-	-	-
	Apr	-	-	-	-	-
	May	-	-	-	-	-
	Jun	-	-	-	-	-
	Jul	-	-	-	-	-
	Aug	-	-	-	-	-
	Sep	-	-	-	-	-
	Oct	-	-	-	-	-
	Nov	-	-	-	-	-
	Dec	-	-	-	-	-
2016	Jan	-	-	-	-	-
	Feb	-	-	-	-	-
	Mar	-	-	-	-	-
	Apr	-	-	-	-	-
	May	-	-	-	-	-
	Jun	-	-	-	-	-
	Jul	-	-	-	-	-
	Aug	-	-	-	-	-
	Sep	-	-	-	-	-
	Oct	-	-	-	-	-
	Nov	-	-	-	-	-
	Dec	-	-	-	-	-
2017	Jan	-	-	-	-	-
	Feb	-	-	-	-	-
	Mar	-	-	-	-	-
	Apr	0.1	0.1	-0.6	0.8	-0.1

¹ Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

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Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	55.0	83.1	36.2	20.9	50.6	92.0	64.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

Percentage change, latest 3 months on previous 3 months

2015	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2016	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	0.3	-	-0.1	-	0.1

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