

Statistical bulletin

Index of Production, UK: April 2017

Movements in the volume of production for the UK production industries: manufacturing, mining and quarrying, energy supply, and water and waste management. Figures are seasonally adjusted.



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1 . Main points

- In the 3 months to April 2017 compared with the 3 months to January 2017, the Index of Production was estimated to have decreased by 1.2%, due mainly to falls of 5.8% in energy supply and 0.7% in manufacturing.
- The highly volatile pharmaceuticals sector fell by a record 11.9% and provided the largest downward pressure on manufacturing, following an increase of 10.1% in the 3 months to January 2017.
- In the 3 months to April 2017 compared with the same 3 months a year ago, the Index of Production increased by 1.0%, this was due mainly to a rise of 1.7% in manufacturing, which was largely due to transport equipment along with broad-based upwards contributions from most manufacturing industries.
- In April 2017, total production was estimated to have increased by 0.2% compared with March 2017, due to rises of 2.9% in energy supply and 0.2% in manufacturing. Transport equipment provided the largest contribution to the manufacturing increase followed by pharmaceuticals.
- Total production output for April 2017 compared with April 2016 decreased by 0.8%, with energy supply providing the largest downward contribution, decreasing by 7.4%.

2 . Things you need to know about this release

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 (9 June 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; UK trade in goods reports 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 their data 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 January 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 7.9% and 4.1% respectively in the 3 months to April 2017.

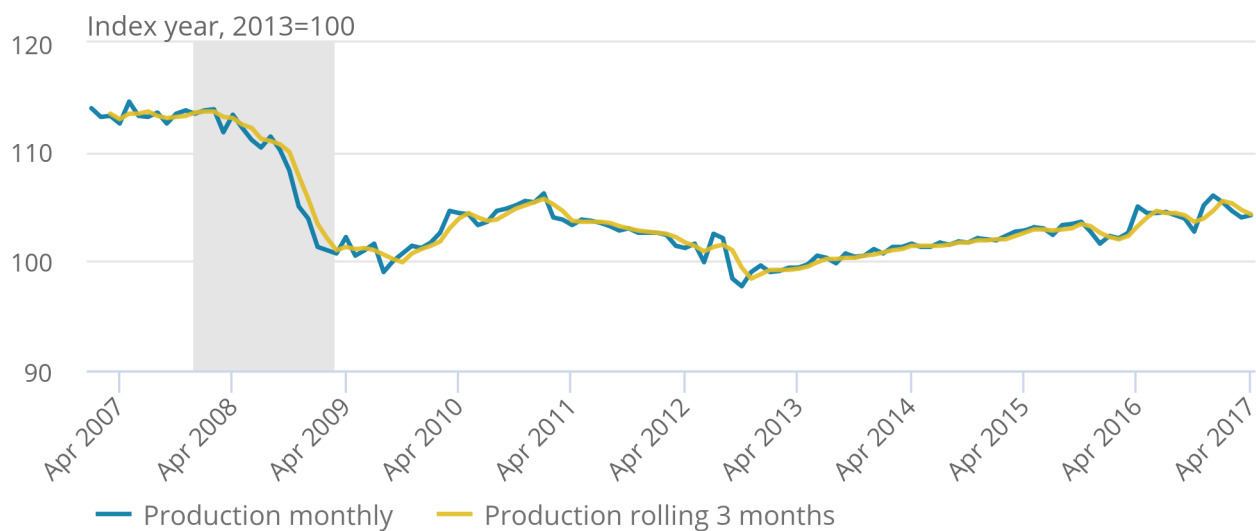
Figure 1: Index of Production in UK

Seasonally adjusted, April 2007 to April 2017

Economic Downturn

Figure 1: Index of Production in UK

Seasonally adjusted, April 2007 to April 2017



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.

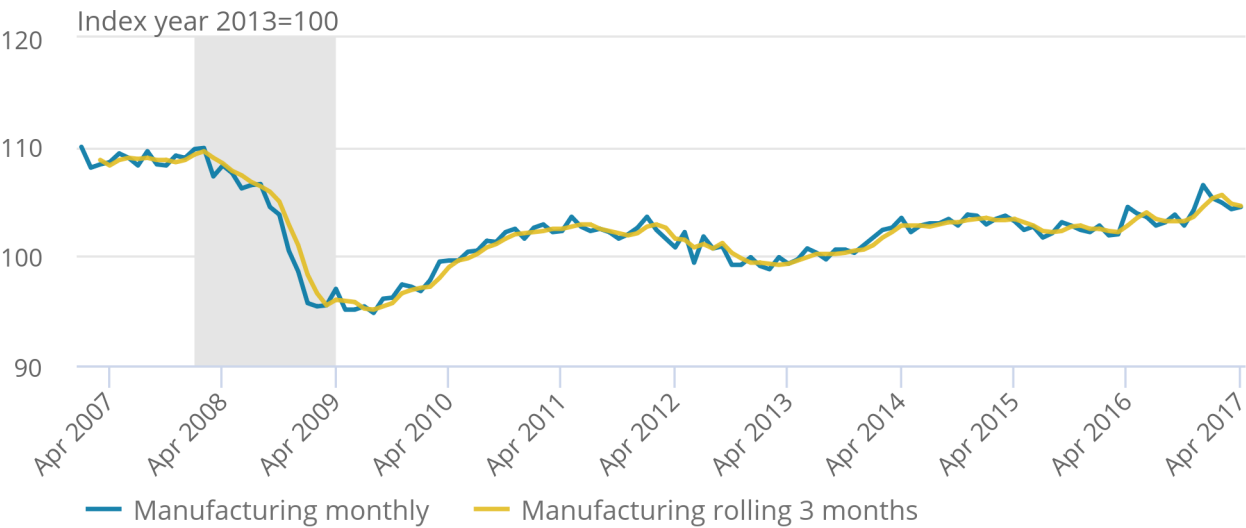
Figure 2: Index of Manufacturing in UK

Seasonally adjusted, April 2007 to April 2017, UK

Economic Downturn

Figure 2: Index of Manufacturing in UK

Seasonally adjusted, April 2007 to April 2017, UK



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 April 2017. The monthly estimate of total production rose by 0.2%. There were rises in two of the four main sectors. The largest contribution came from energy supply, which increased by 2.9%.

The 3 months-on-previous 3 months estimate of total production fell by 1.2% in April 2017, with falls in three of the four main sectors; energy supply provided the largest downward contribution. This was the largest fall since the 3 months to February 2016, when it also fell by 1.2%.

Due to the spikes in manufacturing output in December 2016 and January 2017, we must also draw attention to the 3 months-on-same 3 months a year ago growth rates as this more accurately reflects 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, April 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	0.2	0.24	-1.2	-1.18
Mining and quarrying	12.0	-0.6	-0.07	-1.3	-0.17
Manufacturing	70.0	0.2	0.16	-0.7	-0.51
Electricity, gas, steam and air conditioning	10.4	2.9	0.27	-5.8	-0.57
Water supply, sewerage and waste management	7.5	-1.4	-0.11	0.8	0.07

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 April 2017, total production was estimated to have decreased by 1.2% (Table 2), following an increase of 0.1% in the 3 months to March 2017. This is the weakest since the 3 months to February 2016, when IoP also decreased by 1.2%.

There were falls in three of the four main sectors, with the energy supply sector providing the largest downward pressure, falling by 5.8%, the largest fall since April 2014. BEIS advised that the decrease was largely caused by warmer-than-average temperatures during the months of February, March and April, at 1.6 degrees Celsius, 1.8 degrees Celsius and 0.6 degrees Celsius respectively, above the long-term average (according to the [Met Office](#)).

The decrease in manufacturing of 0.7% is due mainly to the highly volatile pharmaceutical industry, which fell by a record 11.9%; following an increase of 10.1% in the 3 months to January 2017.

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

Sector	Summary description	3 months on previous 3 months growth (percentage)	Contribution to production (percentage points)
IoP	Index of Production	-1.2	-1.18
Sector B	Total Mining and Quarrying	-1.3	-0.17
5	Coal and Lignite	-7.7	0.00
6	Crude petroleum and Natural gas	-1.8	-0.18
789	Other mining and quarrying	0.9	0.02
Sector C	Total Manufacturing	-0.7	-0.51
CA	Food, beverages and tobacco	0.9	0.10
CB	Textiles and leather products	5.1	0.12
CC	Wood, paper and printing	1.0	0.05
CD	Coke and petroleum	-3.7	-0.03
CE	Chemical products	1.0	0.04
CF	Pharmaceutical products	-11.9	-0.70
CG	Rubber and plastic products	-1.4	-0.08
CH	Metal products	-2.3	-0.18
CI	Computer, electronic and optical	-3.6	-0.13
CJ	Electrical equipment	-0.6	-0.01
CK	Machinery and equipment	2.4	0.11
CL	Transport equipment	1.5	0.15
CM	Other manufacturing and repair	0.9	0.06
Sector D	Total Electricity and Gas	-5.8	-0.57
35.1	Electric power generation, transmission and distribution	-4.3	-0.28
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	-8.9	-0.29
Sector E	Total Water	0.8	0.07
36	Water collection, treatment and supply	-1.3	-0.03
37	Sewerage	2.9	0.07
38	Waste collection, treatment and disposal activities; materials recovery	0.7	0.02
39	Remediation activities and other waste management services	1.5	0.00

Source: Office for National Statistics

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

The monthly estimate of total production increased by 0.2% in April 2017 (Table 3), following a decrease of 0.5% in the previous month.

There were rises in two of the four main sectors. Energy supply provided the largest upward pressure, increasing by 2.9%; within this sector the largest contribution came from the supply of gas, which increased by 7.0%. 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).

The monthly rise of 0.2% in manufacturing was broad-based across 8 of the 13 sub-sectors. The largest upward contribution came from the transport equipment sub-sector at 1.6%; within this, motor vehicles, trailers and semi trailers rose by 1.8%.

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

Sector	Summary description	Month on previous month growth (percentage)	Contribution to production (percentage points)
IoP	Index of Production	0.2	0.24
Sector B	Total Mining and Quarrying	-0.6	-0.07
5	Coal and Lignite	-9.3	0.00
6	Crude petroleum and Natural gas	-1.3	-0.14
789	Other mining and quarrying	3.4	0.07
Sector C	Total Manufacturing	0.2	0.16
CA	Food, beverages and tobacco	0.6	0.07
CB	Textiles and leather products	-3.3	-0.08
CC	Wood, paper and printing	0.6	0.03
CD	Coke and petroleum	-7.1	-0.06
CE	Chemical products	0.5	0.02
CF	Pharmaceutical products	2.0	0.11
CG	Rubber and plastic products	-0.4	-0.02
CH	Metal products	0.7	0.06
CI	Computer, electronic and optical	0.4	0.02
CJ	Electrical equipment	3.8	0.07
CK	Machinery and equipment	-0.5	-0.02
CL	Transport equipment	1.6	0.16
CM	Other manufacturing and repair	-2.8	-0.19
Sector D	Total Electricity and Gas	2.9	0.27
35.1	Electric power generation, transmission and distribution	1.1	0.07
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	7.0	0.20
Sector E	Total Water	-1.4	-0.11
36	Water collection, treatment and supply	-0.2	0.00
37	Sewerage	-4.4	-0.11
38	Waste collection, treatment and disposal activities; materials recovery	0.2	0.01
39	Remediation activities and other waste management services	-2.3	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 0.8% in April 2017 compared with April 2016; two of the four main sectors provided downwards contributions with manufacturing flat (Table 4).

The largest contribution came from energy supply, which decreased by 7.4%, following a decrease of 5.7% in the previous period. Within this sector, electricity supply provided the largest downward pressure, falling by 6.7%.

Within manufacturing, there were increases in 10 of the 13 sub-sectors, but this was offset by the weakness within the volatile pharmaceutical industry, which provided the largest downward contribution, decreasing by 12.2%, the weakest month-on-same month a year ago growth since February 2013. Decreased turnover and exports were reported 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, April 2017, UK

Sector	Summary description	Month on same month a year ago growth (percentage)	Contribution to production (percentage points)
IoP	Index of Production	-0.8	-0.75
Sector B	Total Mining and Quarrying	-1.6	-0.20
5	Coal and Lignite	-24.8	-0.01
6	Crude petroleum and Natural gas	-2.2	-0.23
789	Other mining and quarrying	1.5	0.03
Sector C	Total Manufacturing	0.0	0.02
CA	Food, beverages and tobacco	1.6	0.18
CB	Textiles and leather products	4.2	0.10
CC	Wood, paper and printing	3.6	0.18
CD	Coke and petroleum	4.7	0.03
CE	Chemical products	2.8	0.11
CF	Pharmaceutical products	-12.2	-0.73
CG	Rubber and plastic products	-3.0	-0.18
CH	Metal products	0.0	0.00
CI	Computer, electronic and optical	0.5	0.02
CJ	Electrical equipment	1.0	0.02
CK	Machinery and equipment	3.0	0.13
CL	Transport equipment	1.4	0.14
CM	Other manufacturing and repair	0.3	0.02
Sector D	Total Electricity and Gas	-7.4	-0.74
35.1	Electric power generation, transmission and distribution	-6.7	-0.44
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	-8.8	-0.29
Sector E	Total Water	2.2	0.17
36	Water collection, treatment and supply	0.4	0.01
37	Sewerage	7.2	0.16
38	Waste collection, treatment and disposal activities; materials recovery	0.0	0.00
39	Remediation activities and other waste management services	-2.2	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 July 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 April 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	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	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 Feb	102.1	108.6	101.9	92.0	107.5	112.9	103.9	101.7	99.7	102.6	101.1
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	108.1	104.5	92.8	111.6	112.0	106.0	101.2	105.5	105.1	100.9
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 Feb	0.9	-1.5	0.9	6.8	-2.2	-5.7	0.8	-1.2	1.0	3.6	0.8
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	-1.6	-	-7.4	2.2	-2.2	0.1	-3.1	1.5	1.3	-4.0

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	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	0.4	-2.3	0.5	1.4	2.1	-3.4	-4.2	-0.7	2.0	0.9	-0.6
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	-0.6	0.2	2.9	-1.4	-1.3	-0.2	0.7	-0.2	0.8	0.3
Percentage change, latest 3 months on same 3 months a year ago ²											
2015 Feb	1.0	-0.1	1.6	2.2	-3.5	-3.3	6.0	0.8	1.5	2.9	-0.7
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	-0.9	1.7	-3.7	3.5	-1.2	3.1	-1.7	4.3	2.0	-1.9

- 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

		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
Section		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 ²												
2015	Feb	0.2	-0.4	-	2.9	-0.7	-1.4	-0.2	-	-1.2	1.2	0.9
	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
	Jan	-1.2	-5.3	-0.2	-4.9	2.4	-5.3	1.5	-0.6	-0.1	-0.9	-4.6
2016	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
	Jan	1.8 [†]	0.1	2.0	3.7	0.8	0.3	1.7	2.8 [†]	1.8	1.7	1.7
2017	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	-1.3	-0.7	-5.8	0.8	-1.8	-1.3	-2.3	0.5	-0.7	-3.5

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

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2013 = 100

	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
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 Feb	105.5	90.7	99.5	91.8	104.9	98.6
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	106.6	98.2	105.5	86.8	109.3	94.2
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 Feb	0.7	-5.1	1.8	3.7	10.4	-5.5
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	1.6	4.2	3.6	4.7	2.8	-12.2

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.

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 Feb	111.1	100.9	97.4	95.0	87.0	107.5	105.9
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	111.1	99.6	100.0	94.4	94.5	118.3	106.4
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 Feb	-0.1	3.5	-0.7	3.0	-9.9	6.5	1.5
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	-3.0	-	0.5	1.0	3.0	1.4	0.3

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IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

		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 month on previous month							
2015	Feb	-0.3	5.0	-1.0	3.5	2.5	-2.1
	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	0.6	-3.3	0.6	-7.1	0.5	2.0
Percentage change, latest 3 months on same 3 months a year ago							
2015	Feb	2.9	-8.2	1.4	-3.5	5.5	-1.5
	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	1.3	9.0	4.0	5.2	2.9	-8.3

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IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

		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
Section		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	-	1.4	-1.5	1.7	1.9	1.5	-0.4
	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	-0.4	0.7	0.4	3.8	-0.5	1.6	-2.8
Percentage change, latest 3 months on same 3 months a year ago								
2015	Feb	3.2	1.4	4.2	1.6	-7.2	7.6	0.5
	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	3.6	0.1	6.1	5.4	2.7

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IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

		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	0.3	-0.4	-0.3	3.2	3.9	-
	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	0.9	5.1	1.0	-3.7	1.0	-11.9

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IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

		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
Section		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	-1.7	1.9	-1.0	2.8	-5.6	2.0	-2.6
	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	-3.6	-0.6	2.4	1.5	0.9

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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	-	-0.3	-0.1	0.2	0.4	-0.2	-0.3	-	-0.2	0.1	-
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	-0.1	-0.2	-	-	0.2	-0.1	-	-0.1	-0.1	-	-
2017 Feb	-	-0.3	-	0.4	0.2	-0.3	-0.4	-	-0.2	-0.1	0.1
2017 Mar	-	-0.4	-0.1	0.2	0.7	-0.2	-0.5	-0.1	-0.5	0.3	-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 Jan	-	-	-	-	-	-	-	-	-	-	-
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	-0.1	-0.2	-	-	0.2	-0.1	-	-	-	-	-0.1
2017 Feb	-0.1	-0.3	-	0.4	0.2	-0.2	-0.3	-	-0.1	-	-
2017 Mar	-	-0.3	-0.1	0.2	0.6	-0.2	-0.6	-0.1	-0.4	0.3	-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 month on previous month											
2015 Jan	-	-	-	-	-	-	-	-	-	-	-
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	-	-0.2	-0.1	-0.1	0.1	-0.1	-	-0.1	-0.1	-	-0.1
Feb	-	-0.2	-0.1	0.4	0.1	-0.1	-0.4	0.1	-0.1	-	0.1
Mar	-	-	-	-0.2	0.5	-	-0.1	-0.2	-0.3	0.4	-0.2
Percentage change, latest 3 months on same 3 months a year ago											
2015 Jan	-	-	-	-	-	-	-	-	-	-	-
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	-	-0.1	-	-	-	-0.1	-	-	-	-	-0.1
Feb	-	-0.1	-	0.1	0.1	-0.1	-0.1	-	-0.1	-	-
Mar	-	-0.3	-	0.2	0.3	-0.2	-0.3	-0.1	-0.3	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	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 Jan	-	-	-	-	-	-	-	-	-	-	-
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	-0.1	-	-	-	-	-	-	-0.1	-	-	-
Feb	-	-0.1	-	0.1	0.2	-0.1	-0.2	-0.1	-0.1	-	-
Mar	-	-0.3	-	0.1	0.3	-0.2	-0.3	-0.1	-0.2	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

	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
2012	-	-	-	-	-	-
2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-
2016 Q1	-	-	-	-	-	-
Q2	-	-	-	-	-	-
Q3	-	-	-	-	-	-
Q4	-	-	-	-	-	-
2017 Q1	0.2	-0.7	-0.2	-0.6	0.1	-0.1
2016 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2017 Jan	0.3	-0.6	-0.2	-0.1	-0.1	-0.2
Feb	0.3	-0.6	0.1	-	-	-0.2
Mar	-0.1	-0.8	-0.4	-1.7	0.4	-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 Jan	-	-	-	-	-	-
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	0.2	-0.6	-0.2	-0.1	-0.1	-0.2
Feb	0.3	-0.7	0.1	-0.1	0.1	-0.2
Mar	-0.1	-0.9	-0.4	-2.1	0.3	-

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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 added[†]

Seasonally adjusted 2013 = 100

	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
Section	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	-0.1	0.7	-0.3	-0.8	-0.5	-0.1	-0.1
2016 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2017 Jan	-	0.1	0.1	0.2	-0.2	-0.1	-
Feb	-0.3	-	-0.2	0.2	-0.5	-0.2	-
Mar	-	2.1	-0.8	-2.9	-1.0	-0.1	-0.4
Percentage change, latest year on previous year							
2012	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-
Percentage change, latest month on same month a year ago							
2015 Jan	-	-	-	-	-	-	-
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	0.1	-	0.1	0.2	-0.3	-0.1	-
Feb	-0.2	-0.1	-0.3	0.3	-0.5	-0.1	-
Mar	-	2.1	-0.7	-3.1	-1.1	-0.1	-0.4

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Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

	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 month on previous month

2015	Jan	-	-	-	-	-
	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	0.3	-0.7	-0.2	-0.1	-0.2
	Feb	-	-	0.3	-	-
	Mar	-0.3	-0.2	-0.6	-1.9	0.2

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

2015	Jan	-	-	-	-	-
	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	-	-0.3	-	-	-0.1
	Feb	0.1	-0.4	-	-	-0.2
	Mar	0.2	-0.7	-0.2	-0.7	-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.

Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

	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
Section	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	Jan	-	-	-	-	-	-
	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	-	0.1	0.1	0.2	-0.2	-0.1
	Feb	-0.3	-	-0.3	0.1	-0.2	-0.1
	Mar	0.2	2.2	-0.4	-3.2	-0.6	0.1

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

2015	Jan	-	-	-	-	-	-
	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	-	-	-	0.1	-0.1	-
	Feb	-0.1	-	-0.1	0.2	-0.3	-0.1
	Mar	-0.1	0.7	-0.3	-0.8	-0.6	-0.1

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Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

	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 Jan	-	-	-	-	-	-
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	0.1	-0.2	-0.1	-	-	-0.1
Feb	0.1	-0.4	-0.1	-	-	-0.2
Mar	0.1	-0.7	-0.1	-0.7	0.1	-0.1

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Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2013 = 100

	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
Section	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	Jan	-	-	-	-	-	-
	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	-	-	0.1	-	-0.1	-
	Feb	-0.1	-	-0.1	0.1	-0.3	-
	Mar	-0.1	0.7	-0.3	-0.9	-0.5	-0.1

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