

Statistical bulletin

# Index of Production, UK: April 2018

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

- The three-monthly fall to April 2018 in manufacturing of 0.5% is the largest fall since May 2017, due mainly to decreases in electrical equipment (9.4%), and basic metals and metal products (1.8%).
- The fall in manufacturing is supported by widespread weakness throughout the sector due to a reduction in the growth rate of both export and domestic turnover.
- In the three months to April 2018, the Index of Production increased by 0.3% compared with the three months to January 2018, due primarily to a rise of 3.2% in energy supply; this was supported by a rise in mining and quarrying of 4.3%.
- In April 2018, total production was estimated to have decreased by 0.8% compared with March 2018, led by a fall of 1.4% in manufacturing and supported by falls in energy supply (2.0%), and water and waste (1.8%).
- The monthly decrease in manufacturing output is the largest fall since October 2012 when it fell by 1.8%; there is widespread weakness with 9 of the 13 sub-sectors decreasing and this is a continuation of the recent slowdown in this sector.
- In the three months to April 2018, the Index of Production increased by 2.3% compared with the same three months to April 2017, due mainly to a rise of 2.3% in manufacturing.
- In this release, there are no periods open for revision.

## 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 14.0% 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 based mainly on approximately 6,000 businesses from the Monthly Business Survey (MBS). In addition, from the [November 2017](#) bulletin published in January 2018, we have also included Value Added Tax (VAT) data across 64 production industries for small and medium-sized businesses. These have been used to supplement data from the MBS from January 2016 to September 2017. 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 the [Monthly Business Survey turnover in production industries dataset](#), which was published alongside this release. Note that the MBS turnover in production industries dataset does not contain data from VAT returns, which have been included in the IoP. There have been significant movements in the latest months for the other transport equipment industry and the repair and maintenance of ships and boats industry. We can confirm that these are correct and driven by reclassification of large businesses.

The [Monthly Business Survey turnover in production industries dataset](#) produces the proportion of turnover from exports by industry and level of turnover and exports (£ millions). 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 – MBS 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 – MBS 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 MBS 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 about this release” section of the [UK trade release](#).

This release is not open to revision. This is in line with the updated [National Accounts Revisions Policy](#).

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
- HMRC VAT returns replacing MBS data for small and medium-sized businesses when VAT estimates become available every quarter
- forecasts being replaced by actual data
- revisions to seasonal adjustment factors, which are re-estimated every month and reviewed annually

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 [Index of Production Quality and Methodology Information report](#).

### **3 . Index of Production 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 downturn during 2012. Production and manufacturing output have risen but remain 5.3% and 1.3% lower, respectively, in the three months to April 2018 than the pre-downturn gross domestic product (GDP) peak in Quarter 1 (Jan to Mar) 2008.

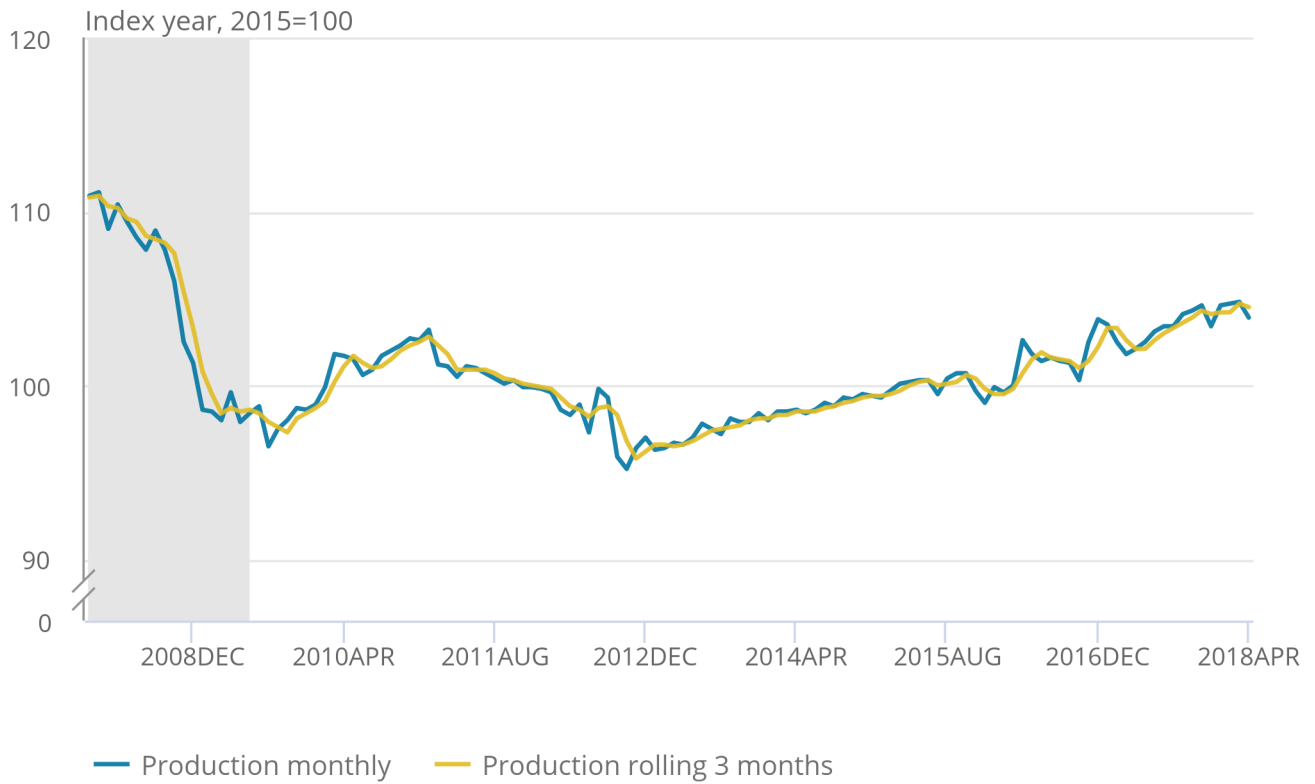
# Figure 1: Index of Production in UK

Seasonally adjusted, January 2008 to April 2018, UK

Economic downturn

# Figure 1: Index of Production in UK

Seasonally adjusted, January 2008 to April 2018, UK



Source: Primarily Monthly Business Survey – 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, January 2008 to April 2018, UK

Economic downturn

## Figure 2: Index of Manufacturing in UK

Seasonally adjusted, January 2008 to April 2018, UK



Source: Primarily Monthly Business Survey – 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 2018.

The three months-on-previous three months estimate of total production rose by 0.3% in April 2018, with two of the four main sectors increasing, despite the largest three-monthly fall in manufacturing output since May 2017.

The monthly estimate of total production decreased by 0.8% due mainly to manufacturing, which fell by 1.4%, the largest decrease since October 2012, with 9 of the 13 sub-sectors decreasing. This continues the overall slowdown in this sector over recent months, following a period of sustained growth during the latter part of 2017.

**Table 1: Index of Production headline growth rates and contributions, April 2018, UK**

Description	% of production <sup>1</sup>	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	-0.8	-0.81	0.3	0.27
Mining and quarrying	8.7	6.9	0.56	4.3	0.34
Manufacturing	72.0	-1.4	-1.00	-0.5	-0.40
Electricity, gas, steam and air conditioning	12.0	-2.0	-0.25	3.2	0.38
Water supply, sewerage and waste management	7.2	-1.8	-0.13	-0.7	-0.05

Source: Office for National Statistics

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

## 4 . What is contributing to the three months-on-previous three months increase?

In the three months on previous three months to April 2018, total production was estimated to have increased by 0.3% (Table 2) and follows an increase of 0.6% in the three months to March 2018. Of the four main sectors, two sectors displayed increased output.

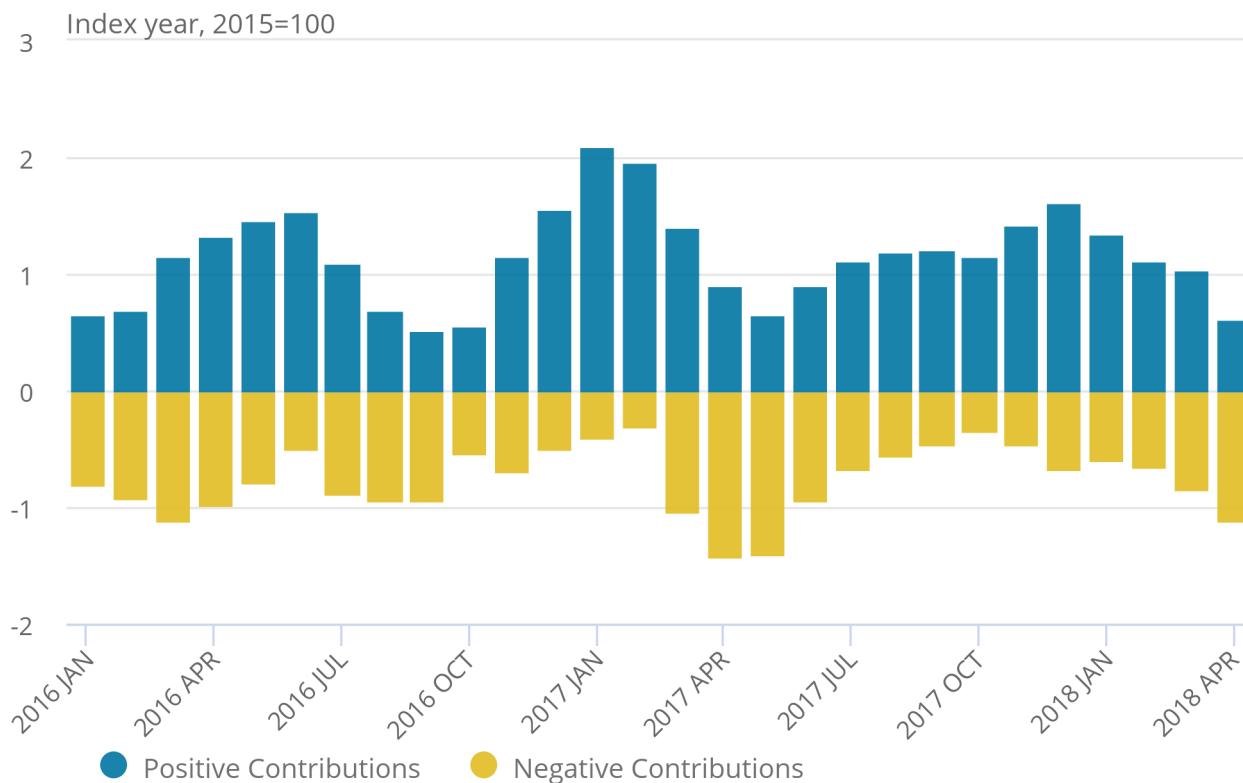
However, the main point of interest is the fall in manufacturing output of 0.5%. This is the largest three-monthly decrease since May 2017, when it fell by 1.0% and is due to widespread weakness throughout the sector, with 9 of the 13 sub-sectors falling.

### Figure 3: Manufacturing positive and negative contributions to loP three-month-on-three-month growth

Seasonally adjusted, January 2016 to April 2018, UK

### Figure 3: Manufacturing positive and negative contributions to loP three-month-on-three-month growth

Seasonally adjusted, January 2016 to April 2018, UK



Source: Primarily Monthly Business Survey - Office for National Statistics

Figure 3 provides a breakdown of positive and negative contributions for the 44 manufacturing sub-industries to total Index of Production (IoP) three-monthly growth and supports the weakness at sub-sector level. It does not record neutral contributions.

Following the sustained period of strength during the latter part of 2017, there has been a stronger impact from those industries providing downward contributions to loP three-monthly growth, providing further evidence of the slowdown in output. Of the 44 industries, 21 display a negative contribution for the three months to April 2018 whereas only 14 industries contributed positively. This is only the third time since October 2016 that negative contributors have numbered more than positive contributors, providing the basis for an overall fall in manufacturing.

The largest fallers at industry level were electrical equipment (9.4%) where orders for electrical machinery have fallen from a high in Quarter 4 (Oct to Dec) 2017; fabricated metal products (2.7%) due to a decline in infrastructure projects since Quarter 4 2017; and rest of repair and installation (7.2%) following re-structuring within the industry.

Growth in total manufacturing turnover has continued to weaken, with April 2018 at the lowest level since August 2017. A decrease of 0.2% was also reported for the three months to April 2018, compared with the same three months to January 2018. These decreases were published today (11 June 2018) in the [Monthly Business Survey turnover in production industries](#) dataset. However, it is important to note that this dataset is not seasonally adjusted and is based on current prices and therefore does not reflect the impact of price changes.

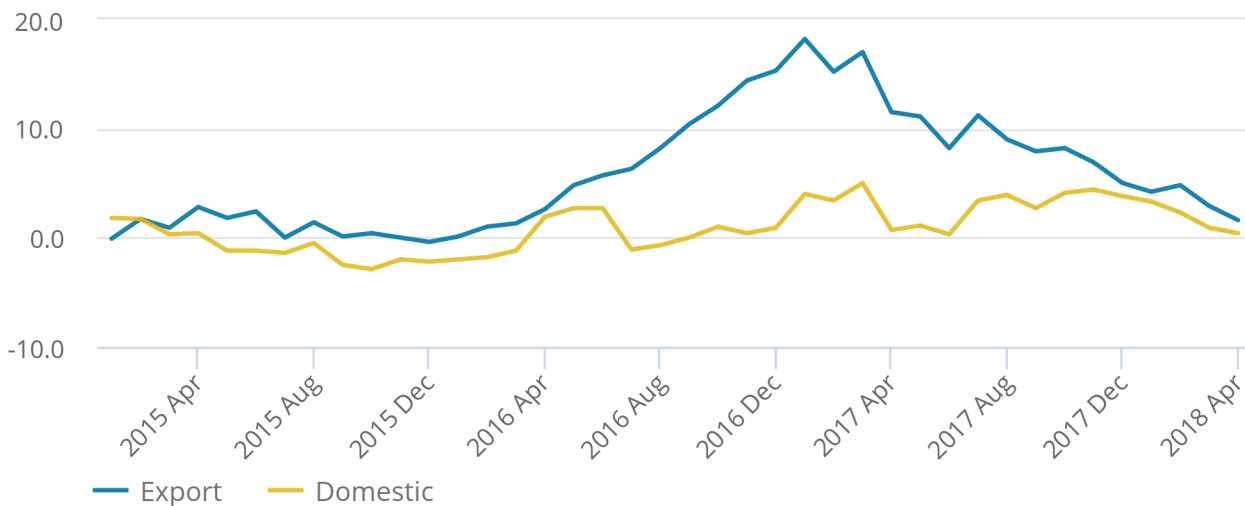
The slowdown in output over a longer time span can be understood further when considering current price non-seasonally adjusted manufacturing growth, for export and domestic turnover for three-months-on-three-months a year ago (Figure 4).

**Figure 4: Manufacturing 3-Month-on-3-Month a Year Ago Growth Rates, UK**

Current Price, Non-Seasonally Adjusted, January 2015 to April 2018

Figure 4: Manufacturing 3-Month-on-3-Month a Year Ago Growth Rates, UK

Current Price, Non-Seasonally Adjusted, January 2015 to April 2018



Source: Monthly Business Survey - Office for National Statistics

Figure 4 shows that growth in export turnover peaked in January 2017 at 18.2%. In contrast, domestic turnover growth peaked in March 2017 at 5.0%. Export turnover has gradually declined since January 2017 to 1.6% for the three months to April 2018, compared with the same three months to April 2017 – the weakest growth since April 2016 when export turnover increased by 2.6%.

The decline in domestic growth since the beginning of 2018 is more pronounced and has fallen to 0.8% for the three months to April 2018 compared with the same three months to April 2017. In contrast, [producer price inflation \(PPI\)](#) has grown steadily so these factors suggest a fall in the rate of volume growth over the period.



Following an increase of 2.5% in the three months to March 2018, energy supply provided the largest upward contribution to total production in the three months to April 2018, rising by 3.2%. Within this sector, gas supply increased by 5.2%, due mainly to lower than average temperatures during February and March 2018. Electricity generation also increased by 2.2%.

**Table 2: Growths and contributions to production, 3 months-on-previous 3 months, April 2018, UK**

Sector Summary Description		3 months on previous 3 months growth (Percentage)	Contribution to production (Percentage points)
IoP	Index of Production	0.3	0.27
Sector B	Total Mining and Quarrying	4.3	0.34
5	Coal and Lignite	16.6	0.00
6	Crude petroleum and Natural gas	6.2	0.38
789	Other mining and quarrying	-2.2	-0.04
Sector C	Total Manufacturing	-0.5	-0.40
CA	Food, beverages and tobacco	-0.2	-0.02
CB	Textiles and leather products	-2.7	-0.07
CC	Wood, paper and printing	-0.2	-0.01
CD	Coke and petroleum	-2.9	-0.03
CE	Chemical products	-1.1	-0.05
CF	Pharmaceutical products	-1.3	-0.06
CG	Rubber and plastic products	-1.3	-0.07
CH	Metal products	-1.8	-0.16
CI	Computer, electronic and optical	3.8	0.13
CJ	Electrical equipment	-9.4	-0.20
CK	Machinery and equipment	0.5	0.03
CL	Transport equipment	0.9	0.09
CM	Other manufacturing and repair	0.3	0.02
Sector D	Total Electricity and Gas	3.2	0.38
35.1	Electric power generation, transmission and distribution	2.2	0.17
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	5.2	0.20
Sector E	Total Water	-0.7	-0.05
36	Water collection, treatment and supply	3.9	0.08
37	Sewerage	-0.3	-0.01
38	Waste collection, treatment and disposal activities; materials recovery	-4.3	-0.12
39	Remediation activities and other waste management services	-4.0	0.00

Source: Office for National Statistics

## 5 . What is contributing to the three months-on-three months a year ago increase?

Total production increased by 2.3% in the three months to April 2018, compared with the same three months to April 2017 (Table 3).

Energy supply rose by 6.7%, due mainly to increased demand for gas, driven by the lower than average temperatures during both February and March 2018.

The largest upward contribution came from manufacturing, which increased by 2.3%. Within this sector, machinery and equipment not elsewhere classified provided the largest upward contribution, increasing by 10.8%, continuing the long-term strength in this sub-sector since June 2016. Increases in total and export turnover were also reported for the three months to April 2018, compared with the same three months to April 2017, for this sub-sector.

These increases were published today (11 June 2018) in the [Monthly Business Survey turnover in production industries](#) dataset. However, it is important to note that this dataset is not seasonally adjusted and is based on current prices and therefore does not reflect the impact of price changes.

Basic metals and metal products; transport equipment; other manufacturing and repair; computer, electronic and optical equipment; and pharmaceutical products provided supporting strength.

**Table 3: Growths and contributions to production, 3 months-on-previous 3 months a year ago, April 2018, UK**

Sector Summary Description		3 months on previous 3 months a year ago growth (percentage)	Contribution to production (Percentage points)
IoP	Index of Production	2.3	2.27
Sector B	Total Mining and Quarrying	1.4	0.12
5	Coal and Lignite	-18.5	0.00
6	Crude petroleum and Natural gas	2.7	0.17
789	Other mining and quarrying	-2.8	-0.05
Sector C	Total Manufacturing	2.3	1.64
CA	Food, beverages and tobacco	0.0	0.00
CB	Textiles and leather products	-7.1	-0.18
CC	Wood, paper and printing	-1.9	-0.09
CD	Coke and petroleum	-8.3	-0.11
CE	Chemical products	-0.2	-0.01
CF	Pharmaceutical products	3.2	0.15
CG	Rubber and plastic products	-1.3	-0.07
CH	Metal products	5.8	0.49
CI	Computer, electronic and optical	10.6	0.35
CJ	Electrical equipment	-8.8	-0.19
CK	Machinery and equipment	10.8	0.50
CL	Transport equipment	3.5	0.38
CM	Other manufacturing and repair	5.7	0.41
Sector D	Total Electricity and Gas	6.7	0.78
35.1	Electric power generation, transmission and distribution	4.5	0.36
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	11.3	0.42
Sector E	Total Water	-3.4	-0.26
36	Water collection, treatment and supply	3.7	0.08
37	Sewerage	-2.5	-0.06
38	Waste collection, treatment and disposal activities; materials recovery	-8.9	-0.27
39	Remediation activities and other waste management services	-10.3	-0.01

Source: Office for National Statistics

## 6 . What is contributing to the month-on-month decrease?

The monthly estimate of total production decreased by 0.8% in April 2018 (Table 4). This follows an increase of 0.1% in March 2018. This month is the largest fall since December 2017 when output decreased by 1.2%, due mainly to unplanned maintenance on the Forties oil pipeline.

The largest contribution this month came from manufacturing, which decreased by 1.4%, with 9 of the 13 sub-sectors falling; this is the largest monthly fall since October 2012. In October 2012, manufacturing output fell by 1.8%; this was due largely to falls in motor vehicles, trailers and semi-trailers; pharmaceutical products; and oil refining.

April 2018 is the third consecutive monthly fall in manufacturing and continues the marked slowdown in this sector, highlighted in Section 4 of this bulletin. Decreases in total and export manufacturing turnover of 11.2% and 12.9% respectively, were reported for April 2018 compared with March 2018.

These decreases were published today (11 June 2018) in the [Monthly Business Survey turnover in production industries](#) dataset. However, it is important to note that this dataset is not seasonally adjusted and is based on current prices and therefore does not reflect the impact of price changes. It should also be noted that survey response was comparatively high this month and notable weakness was due mainly to the cumulative impact of large businesses reporting decreased turnover.

The effect of the timing of the Easter bank holidays should also be considered when assessing the impact of the overall weakness in manufacturing output this month.

In 2018, the Good Friday and Easter Monday bank holidays were split between the end of March and the beginning of April, resulting in one additional working day in April 2018 compared with April 2017. This calendar effect is relatively rare (since 1995, Easter has been split over both March and April during only 2002, 2013 and 2018), so our preferred three-monthly estimate is a more robust measure of the slowdown in manufacturing output.

The fall in energy supply of 2.0% is due mainly to the above-average temperature during April 2018. According to the Met Office, the [provisional UK mean temperature was 8.4 degrees Celsius in April 2018](#), which is 1.0 degrees Celsius above the 1981 to 2010 long-term average.

In contrast and largely offsetting the falls from energy supply, and water and waste, was a rise in mining and quarrying. Output rose by 6.9%, due to crude petroleum and natural gas, which increased by 8.4% due primarily to fields coming out of maintenance.

**Table 4: Growths and contributions to production, month-on-previous month, April 2018, UK**

Sector Summary Description		Month on previous month growth (Percentage)	Contribution to production (Percentage points)
IoP	Index of Production	-0.8	-0.81
Sector B	Total Mining and Quarrying	6.9	0.56
5	Coal and Lignite	33.8	0.00
6	Crude petroleum and Natural gas	8.4	0.53
789	Other mining and quarrying	1.8	0.03
Sector C	Total Manufacturing	-1.4	-1.00
CA	Food, beverages and tobacco	-0.1	-0.01
CB	Textiles and leather products	0.3	0.01
CC	Wood, paper and printing	-1.2	-0.06
CD	Coke and petroleum	3.5	0.04
CE	Chemical products	-1.5	-0.07
CF	Pharmaceutical products	0.5	0.02
CG	Rubber and plastic products	-0.8	-0.04
CH	Metal products	-3.7	-0.33
CI	Computer, electronic and optical	-1.0	-0.04
CJ	Electrical equipment	0.5	0.01
CK	Machinery and equipment	-3.1	-0.16
CL	Transport equipment	-1.6	-0.17
CM	Other manufacturing and repair	-2.7	-0.20
Sector D	Total Electricity and Gas	-2.0	-0.25
35.1	Electric power generation, transmission and distribution	-0.2	-0.01
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	-5.6	-0.23
Sector E	Total Water	-1.8	-0.13
36	Water collection, treatment and supply	-2.4	-0.05
37	Sewerage	-1.6	-0.04
38	Waste collection, treatment and disposal activities; materials recovery	-1.5	-0.04
39	Remediation activities and other waste management services	-1.0	0.00

Source: Office for National Statistics

## 7 . Upcoming changes

Our next release, Index of Production: May 2018 will include methodological updates and revisions back to 1997 and is our UK National Accounts, The Blue Book-consistent publication. This is in line with the standard [National Accounts Revisions Policy](#). These annual changes will include updating the reference year from 2015 equals 100 to 2016 equals 100, along with adding an additional year of chain-linking weights for 2016 and updated Value Added Tax (VAT) data.

As part of the transformation of Office for National Statistics data collection, 33,000 Monthly Business Surveys covering production and services are moving online from paper despatch. This process has begun with 1,000 businesses selected at random for the Index of Production and Index of Services for May 2018. The survey will move fully online later this year.

In July, short-term economic indicators will be moving towards [monthly gross domestic product \(GDP\)](#). In addition to this release, on 10 July the following will be published: UK Index of Production: May 2018, UK Index of Services: May 2018, Construction output in Great Britain: May 2018 and UK trade: May 2018.

## 8 . Links to related statistics

We published the [Short-term economic indicators commentary](#) alongside this release (on 11 June 2018), presenting new information on economic conditions in 2018, with data available for output in production, construction and the trade balance.

We published the [Monthly economic commentary: May 2018](#) on 25 May 2018, presenting analysis of the latest estimate of gross domestic product and economic commentary for prices, short-term indicators and labour market indicators to complement theme day economic commentary.

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 the Department for Business, Energy and Industrial Strategy (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. Eurostat and UK data are calculated on a 2015 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 takes into account price changes, while the US publication is not adjusted for price changes.

## 9 . Quality and methodology

The majority of data used to compile the manufacturing sector and therefore the Index of Production (IoP), are collected via the Monthly Business Survey (MBS). Since the Index of Production, UK: November 2017 publication, the IoP also contains Value Added Tax (VAT) returns for 76,390 businesses across 64 production industries. The MBS samples around 6,000 businesses every month, this is now supplemented with VAT returns.

The data collected on the MBS are turnover excluding VAT and exports for some applicable industries. The data collected on the VAT returns are also turnover excluding VAT. These data are then deflated using [Producer Price Indices \(PPI\)](#). Within the manufacturing sector we also receive direct volume data from the Department for Business, Energy and Industrial Strategy (BEIS) for fuel industries and the [International Steel Statistics Bureau](#) for steel industries.

The mining and quarrying sector is comprised mainly of data from BEIS, including volume of oil and gas extraction and coal extraction. The data used to produce the energy sector are also from BEIS and include energy and gas supply output. A comprehensive list of the IoP source data can be found in the [Gross domestic product \(GDP\(O\)\) source catalogue \(XLS, 715KB\)](#).

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 three-monthly revisions
- [Index of Production weights 2015 equals 100](#)
- [Index of Production and industry sectors to four decimal places](#)
- [Monthly Business Survey turnover in production industries](#)
- [Export proportions for manufacturing industries](#)

The [Index of Production Quality and Methodology Information report](#) 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

At present the Quality and Methodology Information report is being updated to reflect the inclusion of VAT data and will be published later this year.



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# IOP5 Output of the Production Industries

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2015 = 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	MIG-NRG	
Latest weight	1 000.0	87.1	720.5	120.3	72.1	65.1	49.3	204.4	240.5	267.9	219.9	
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T	
2013	97.3	91.9	97.2	105.1	96.1	90.5	94.2	98.9	98.1	95.4	98.8	
2014	98.8	92.5	100.0	99.0	96.7	89.5	100.1	99.5	101.0	100.2	95.5	
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
2016	101.3	100.0	100.9	102.6	105.2	104.2	101.8	100.5	103.3	98.1	102.5	
2017	103.2	99.5	103.5	101.8	107.7	102.7	104.3	99.7	109.5	100.3	101.7	
2017 Q1	102.6	99.1	102.6	101.0	109.3	102.6	103.9	99.7	107.4	99.5	101.3	
Q2	102.6	100.0	102.6	101.1	108.1	102.9	104.0	100.1	107.0	99.8	101.7	
Q3	103.6	102.0	103.7	102.7	106.9	105.7	104.8	99.4	110.5	100.4	102.9	
Q4	104.1	97.0	105.0	102.3	106.5	99.6	104.5	99.7	113.0	101.4	101.0	
2018 Q1	104.7	99.2	105.2	104.9	105.4	103.1	108.5	99.3	115.6	100.0	103.3	
2017 Feb	102.5	98.0	102.6	101.3	109.3	100.9	105.7	98.9	108.1	99.5	101.0	
Mar	101.8	99.5	102.1	96.5	109.7	103.0	101.5	99.4	106.7	99.0	99.0	
Apr	102.1	98.2	102.2	101.0	107.5	100.5	101.4	99.7	106.1	99.7	100.8	
May	102.5	99.0	102.5	101.8	108.2	101.7	104.2	99.7	107.0	99.9	101.8	
Jun	103.1	102.7	103.0	100.6	108.5	106.6	106.4	100.9	107.8	99.8	102.6	
Jul	103.4	102.0	103.3	102.0	108.1	105.3	102.7	99.7	109.7	100.2	102.3	
Aug	103.4	101.1	103.4	102.8	107.1	104.7	105.5	99.9	109.8	99.9	102.5	
Sep	104.1	102.9	104.2	103.3	105.5	107.1	106.1	98.7	111.9	101.0	103.8	
Oct	104.3	105.1	104.7	99.6	106.9	110.4	103.9	99.5	112.7	101.2	102.9	
Nov	104.6	103.0	104.9	102.9	106.2	107.4	104.3	100.1	112.4	101.6	103.4	
Dec	103.4	83.0	105.3	104.4	106.4	81.1	105.5	99.6	114.0	101.5	96.7	
2018 Jan	104.6	101.4	105.4	101.7	105.0	105.8	107.6	98.9	115.1	101.2	102.1	
Feb	104.7	99.2	105.2	105.1	105.5	103.1	108.4	100.1	115.4	99.6	103.3	
Mar	104.8	96.9	105.1	107.9	105.9	100.5	109.6	98.8	116.3	99.2	104.6	
Apr	103.9	103.6	103.6	105.7	104.0	109.0	108.4	98.5	113.4	98.2	105.8	
<b>Percentage change, latest year on previous year</b>												
2013	-0.7	-2.8	-1.0	-0.2	4.2	-8.2	-1.3	-0.9	0.9	-0.7	-3.5	
2014	1.5	0.6	2.9	-5.8	0.6	-1.0	6.3	0.6	3.0	5.1	-3.4	
2015	1.2	8.1	-	1.0	3.4	11.7	-0.1	0.5	-1.0	-0.2	4.8	
2016	1.3	-	0.9	2.6	5.2	4.2	1.8	0.5	3.3	-1.9	2.5	
2017	1.9	-0.5	2.5	-0.8	2.3	-1.4	2.5	-0.7	5.9	2.3	-0.7	
<b>Percentage change, latest month on same month a year ago</b>												
2016 Feb	-0.1	7.7	-1.1	-4.0	5.0	17.9	0.9	2.0	-1.3	-5.1	3.2	
Mar	-0.1	3.4	-1.5	1.6	5.1	11.0	-0.9	-1.9	1.5	-5.3	4.2	
Apr	2.4	-0.8	1.5	9.7	3.9	3.8	3.5	4.7	2.7	-3.4	5.9	
May	1.4	-5.1	1.5	4.2	6.4	-2.8	4.1	0.1	4.4	-1.4	1.2	
Jun	1.1	0.2	0.6	3.8	3.3	4.3	-3.7	1.4	3.9	-4.1	3.3	
Jul	2.0	7.7	1.2	3.0	3.0	15.0	1.5	-1.3	6.2	-2.4	5.8	
Aug	1.0	-2.1	1.2	1.2	5.4	0.9	3.0	-0.1	4.0	-1.3	-0.3	
Sep	0.5	-	0.5	-2.0	6.3	2.9	2.8	-0.6	2.8	-1.6	-0.4	
Oct	-0.4	-9.3	0.1	-0.1	5.7	-8.3	6.6	-3.7	3.2	-0.9	-2.9	
Nov	2.8	-2.1	2.1	8.1	6.7	-0.4	2.4	1.5	3.9	1.0	3.9	
Dec	4.8	-	4.8	9.7	4.4	2.1	4.9	4.0	5.9	4.3	5.5	
2017 Jan	3.6	4.2	2.8	7.0	5.8	5.8	4.6	0.9	5.6	1.4	5.6	
Feb	2.9	-1.0	3.1	2.6	6.9	-2.0	5.9	-2.4	8.7	2.3	1.0	
Mar	1.8	0.8	2.7	-5.8	6.5	-0.1	1.9	-0.1	4.9	2.6	-2.5	
Apr	-0.5	-1.2	0.3	-6.9	3.1	-3.0	-1.7	-3.6	2.3	1.6	-4.0	
May	0.7	-0.6	1.4	-2.5	1.5	-1.9	1.6	-1.6	3.4	2.1	-1.6	
Jun	1.6	1.2	2.3	-2.8	2.9	0.4	7.0	1.1	2.9	3.1	-0.7	
Jul	1.8	-6.4	3.3	-0.5	1.8	-9.6	0.5	1.3	6.3	3.0	-3.7	
Aug	2.0	-4.1	2.9	1.4	1.3	-6.1	3.7	0.8	5.8	2.4	-1.2	
Sep	2.8	1.0	3.0	4.3	0.1	0.7	4.5	-1.3	7.1	3.0	2.4	
Oct	4.0	13.1	4.6	-2.8	0.4	16.8	0.3	1.6	9.4	3.2	3.0	
Nov	2.1	4.4	3.2	-4.0	-1.1	5.1	2.0	-0.8	8.7	2.1	-1.4	
Dec	-0.4	-15.2	0.9	1.7	-0.7	-20.3	0.1	-4.5	6.3	0.5	-5.2	
2018 Jan	1.1	1.6	2.2	-3.2	-3.4	1.9	3.0	-1.9	7.2	1.2	-1.8	
Feb	2.1	1.3	2.5	3.8	-3.5	2.1	2.6	1.2	6.8	0.1	2.3	
Mar	2.9	-2.6	2.9	11.8	-3.5	-2.4	8.0	-0.6	9.0	0.1	5.6	
Apr	1.8	5.5	1.4	4.7	-3.3	8.4	6.8	-1.2	6.9	-1.5	5.0	

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

<sup>†</sup> 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 added<sup>1</sup>

Seasonally adjusted 2015 = 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	MIG-NRG	
Latest weight	1 000.0	87.1	720.5	120.3	72.1	65.1	49.3	204.4	240.5	267.9	219.9	
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T	
<b>Percentage change, latest month on previous month</b>												
2016	Feb	-0.3	3.2	-0.8	0.6	-0.5	5.0	-0.2	1.4	-2.2	-1.3	1.5
	Mar	0.4	-0.2	-0.1	3.8	0.7	0.1	-0.1	-1.8	2.4	-0.7	1.6
	Apr	2.6	0.6	2.4	5.8	1.2	0.5	3.6	4.0	2.0	1.6	3.3
	May	-0.8	0.3	-0.7	-3.7	2.3	-	-0.7	-2.1	-0.3	-0.3	-1.5
	Jun	-0.3	1.9	-0.4	-0.8	-1.1	2.5	-3.0	-1.5	1.3	-1.0	-
	Jul	0.1	7.4	-0.7	-1.0	0.7	9.8	2.7	-1.3	-1.6	0.5	2.7
	Aug	-0.2	-3.3	0.5	-1.1	-0.5	-4.3	-0.4	0.6	0.6	0.4	-2.2
	Sep	-0.1	-3.4	0.7	-2.4	-0.2	-4.6	-0.2	0.9	0.7	0.4	-2.3
	Oct	-1.0	-8.8	-1.0	3.5	1.1	-11.2	2.1	-2.0	-1.4	-	-1.5
	Nov	2.2	6.2	1.5	4.6	0.7	8.1	-1.4	3.0	0.4	1.5	5.0
	Dec	1.3	-0.9	2.7	-4.2	-0.2	-0.4	3.1	3.3	3.7	1.6	-2.7
2017	Jan	-0.3	2.0	-1.2	2.4	1.5	2.1	-0.9	-3.3	0.2	-1.0	1.8
	Feb	-0.9	-1.9	-0.5	-3.6	0.6	-2.8	1.1	-1.9	0.6	-0.5	-2.8
	Mar	-0.7	1.6	-0.4	-4.8	0.3	2.1	-3.9	0.5	-1.2	-0.4	-2.0
	Apr	0.3	-1.3	-	4.7	-2.0	-2.4	-	0.3	-0.6	0.6	1.8
	May	0.4	0.9	0.3	0.8	0.7	1.1	2.7	-	0.8	0.1	1.0
	Jun	0.6	3.7	0.5	-1.2	0.3	4.8	2.2	1.2	0.8	-	0.8
	Jul	0.3	-0.7	0.3	1.4	-0.4	-1.2	-3.5	-1.1	1.7	0.4	-0.4
	Aug	-	-0.9	0.1	0.7	-0.9	-0.6	2.7	0.2	0.1	-0.3	0.3
	Sep	0.7	1.7	0.8	0.5	-1.5	2.3	0.6	-1.2	1.9	1.1	1.3
	Oct	0.2	2.1	0.5	-3.5	1.4	3.0	-2.1	0.8	0.7	0.1	-0.9
	Nov	0.3	-2.0	0.2	3.3	-0.7	-2.7	0.3	0.6	-0.3	0.5	0.5
	Dec	-1.2	-19.5	0.4	1.5	0.2	-24.5	1.2	-0.6	1.5	-0.1	-6.5
2018	Jan	1.2	-	-	-2.6	-1.3	30.5	2.0	-0.6	0.9	-0.3	5.5
	Feb	0.1	22.2	-0.2	3.4	0.4	-2.6	0.7	1.2	0.3	-1.6	1.2
	Mar	0.1	-2.4	-0.1	2.6	0.4	-2.5	1.2	-1.3	0.7	-0.4	1.2
	Apr	-0.8	6.9	-1.4	-2.0	-1.8	8.4	-1.1	-0.3	-2.5	-1.1	1.2
<b>Percentage change, latest 3 months on same 3 months a year ago<sup>2</sup></b>												
2016	Feb	-	5.4	-0.7	-4.8	6.8	13.2	-2.7	0.6	-	-4.0	2.0
	Mar	0.1	4.2	-0.8	-1.9	5.9	12.1	-1.2	-0.1	1.0	-4.4	2.8
	Apr	0.7	3.3	-0.4	2.3	4.7	10.6	1.2	1.6	1.0	-4.6	4.4
	May	1.2	-1.0	0.5	5.1	5.1	3.7	2.2	1.0	2.9	-3.4	3.7
	Jun	1.7	-1.9	1.2	5.9	4.5	1.7	1.3	2.1	3.6	-3.0	3.4
	Jul	1.5	0.9	1.1	3.7	4.2	5.4	0.6	0.1	4.8	-2.6	3.4
	Aug	1.4	1.9	1.0	2.7	3.9	6.5	0.2	-	4.7	-2.6	2.9
	Sep	1.2	1.8	0.9	0.7	4.9	6.1	2.4	-0.7	4.3	-1.8	1.7
	Oct	0.4	-3.8	0.6	-0.3	5.8	-1.4	4.1	-1.5	3.3	-1.3	-1.2
	Nov	1.0	-3.8	0.9	1.9	6.2	-1.9	3.9	-0.9	3.3	-0.5	0.2
	Dec	2.4	-3.8	2.3	5.7	5.6	-2.2	4.6	0.6	4.3	1.4	2.1
2017	Jan	3.7	0.7	3.2	8.2	5.6	2.5	4.0	2.2	5.2	2.2	5.0
	Feb	3.8	1.1	3.5	6.4	5.7	1.9	5.1	0.8	6.7	2.7	4.0
	Mar	2.8	1.3	2.9	1.2	6.4	1.2	4.1	-0.5	6.4	2.1	1.3
	Apr	1.4	-0.5	2.0	-3.5	5.5	-1.7	2.0	-2.0	5.2	2.2	-1.9
	May	0.7	-0.3	1.5	-5.1	3.7	-1.7	0.6	-1.8	3.5	2.1	-2.7
	Jun	0.6	-0.2	1.3	-4.1	2.5	-1.5	2.2	-1.4	2.9	2.3	-2.1
	Jul	1.4	-2.1	2.3	-1.9	2.1	-3.9	3.0	0.3	4.2	2.7	-2.0
	Aug	1.8	-3.2	2.9	-0.7	2.0	-5.3	3.7	1.1	5.0	2.8	-1.9
	Sep	2.2	-3.3	3.1	1.7	1.1	-5.2	2.9	0.3	6.4	2.8	-0.9
	Oct	2.9	3.0	3.5	0.9	0.6	3.1	2.8	0.4	7.4	2.9	1.3
	Nov	3.0	6.0	3.6	-0.9	-0.2	7.2	2.3	-0.2	8.4	2.8	1.3
	Dec	1.9	0.6	2.9	-1.7	-0.5	0.1	0.8	-1.3	8.1	1.9	-1.3
2018	Jan	0.9	-3.0	2.1	-1.9	-1.7	-4.4	1.7	-2.4	7.4	1.3	-2.8
	Feb	0.9	-4.1	1.9	0.7	-2.6	-5.4	1.9	-1.7	6.8	0.6	-1.6
	Mar	2.0	0.1	2.5	3.9	-3.5	0.5	4.5	-0.4	7.6	0.5	2.0
	Apr	2.3	1.4	2.3	6.7	-3.4	2.7	5.8	-0.2	7.6	-0.4	4.3

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 added<sup>1</sup>

continued

Seasonally adjusted 2015 = 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	MIG-NRG
Latest weight		1 000.0	87.1	720.5	120.3	72.1	65.1	49.3	204.4	240.5	267.9	219.9
		K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
<b>Percentage change, latest 3 months on previous 3 months<sup>2</sup></b>												
2016	Feb	-0.9	-4.1	-0.3	-4.0	2.4	-2.7	1.5	-0.1	0.4	-1.5	-3.5
	Mar	-	-2.5	-	1.4	1.3	-0.3	0.6	-0.2	0.8	-0.7	-0.2
	Apr	1.2	0.8	0.4	6.4	1.1	3.2	0.8	1.6	0.9	-0.7	3.5
	May	2.0	1.8	1.0	8.5	2.0	3.2	1.7	0.9	2.2	-0.1	5.0
	Jun	2.1	2.4	1.4	5.6	2.7	3.0	2.0	1.3	3.0	0.1	3.9
	Jul	0.9	4.5	0.3	0.2	2.8	5.3	0.5	-1.6	2.1	-	2.1
	Aug	-	6.2	-0.4	-2.5	1.1	7.7	-0.7	-2.3	0.9	-0.3	1.1
	Sep	-0.5	5.3	-0.6	-4.2	0.3	6.7	0.1	-2.3	-0.2	0.1	-0.1
	Oct	-0.6	-3.2	-	-2.4	-0.2	-4.3	0.9	-0.8	-	0.6	-2.5
	Nov	-0.1	-7.1	0.6	0.4	0.6	-9.3	1.3	0.5	-0.3	1.3	-2.3
	Dec	0.8	-8.5	1.5	3.1	1.2	-10.7	1.9	1.9	0.7	1.9	-1.4
2017	Jan	2.2	-1.3	2.4	4.0	1.7	-1.4	1.7	3.0	2.2	2.3	1.9
	Feb	1.9	0.7	2.3	0.2	1.9	1.2	2.7	1.7	3.8	1.7	0.3
	Mar	0.4	2.7	0.5	-3.0	2.1	3.1	0.1	-1.3	2.7	-	-1.0
	Apr	-1.1	-0.3	-0.7	-5.1	1.0	-1.1	-1.1	-2.6	0.9	-0.7	-3.3
	May	-1.1	0.4	-1.0	-3.2	0.1	-0.4	-2.7	-1.7	-0.9	-0.6	-1.8
	Jun	-	0.9	-	0.1	-1.1	0.3	0.1	0.4	-0.4	0.3	0.4
	Jul	0.9	2.8	0.6	1.9	-0.5	3.0	1.5	0.8	1.1	0.5	2.0
	Aug	1.2	3.1	1.0	2.0	-0.5	3.7	2.4	0.6	2.3	0.4	1.9
	Sep	1.0	2.0	1.1	1.5	-1.1	2.7	0.7	-0.6	3.3	0.6	1.1
	Oct	0.9	1.8	1.2	0.4	-1.7	2.7	0.7	-0.7	3.1	0.8	0.8
	Nov	1.0	1.7	1.3	0.1	-1.6	2.6	-0.1	-0.7	3.0	1.3	0.9
	Dec	0.4	-4.9	1.3	-0.4	-0.4	-5.8	-0.2	0.3	2.3	1.0	-1.8
2018	Jan	0.2	-7.0	1.0	1.1	-0.6	-8.7	0.6	0.2	2.1	0.7	-2.3
	Feb	-0.1	-8.8	0.6	1.8	-0.5	-10.8	2.3	0.1	2.3	-0.5	-2.6
	Mar	0.6	2.2	0.2	2.5	-1.0	3.5	3.8	-0.4	2.3	-1.4	2.3
	Apr	0.3	4.3	-0.5	3.2	-0.7	6.2	2.9	-0.4	1.1	-2.4	3.8

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.

<sup>†</sup> 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 added<sup>1</sup>

continued

Seasonally adjusted 2015 = 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	114.5	26.8	50.3	13.0	49.5	51.1
	K22B	K22P	K22T	K22X	K22Z	K239
2013	95.9	103.6	98.2	107.1	92.1	104.4
2014	100.0	100.9	99.3	97.5	94.6	99.2
2015	100.0	100.0	100.0	100.0	100.0	100.0
2016	101.1	97.6	98.7	98.5	94.3	103.5
2017	103.1	98.3	100.1	99.0	97.0	98.5
2017 Q1	102.9	99.5	100.9	99.7	96.1	97.1
Q2	102.8	99.5	100.6	102.0	97.1	99.4
Q3	103.1	99.2	100.1	96.6	97.5	97.0
Q4	103.7	94.9	98.6	97.6	97.4	100.4
2018 Q1	103.3	92.8	99.0	91.2	96.5	99.2
2017 Feb	102.9	99.1	99.6	98.7	94.8	94.9
Mar	103.2	101.2	101.4	100.8	96.2	94.9
Apr	103.9	97.5	100.6	102.0	97.6	96.7
May	102.5	100.5	101.0	101.7	96.2	98.5
Jun	102.2	100.5	100.2	102.1	97.4	103.1
Jul	103.8	103.7	100.0	92.5	96.1	95.0
Aug	103.5	98.7	100.3	96.2	97.2	98.0
Sep	102.0	95.3	100.1	101.0	99.2	98.0
Oct	103.5	94.2	98.7	100.1	96.9	100.7
Nov	104.2	94.6	99.0	96.7	98.3	100.9
Dec	103.3	95.9	98.2	96.0	96.9	99.6
2018 Jan	103.2	94.0	99.3	92.2	96.1	99.0
Feb	103.3	92.2	98.4	89.5	97.0	101.9
Mar	103.5	92.1	99.3	91.9	96.3	96.6
Apr	103.3	92.4	98.1	95.2	94.9	97.2

## Percentage change, latest year on previous year

2013	-1.7	-4.4	2.2	-1.9	-1.1	-2.7
2014	4.2	-2.6	1.1	-8.9	2.7	-5.0
2015	-	-0.9	0.7	2.5	5.7	0.8
2016	1.1	-2.4	-1.3	-1.5	-5.7	3.5
2017	2.0	0.7	1.4	0.4	2.9	-4.8

## Percentage change, latest month on same month a year ago

2016 Feb	1.5	-1.1	-4.6	-2.7	-7.9	6.7
Mar	-1.0	-5.4	-3.8	-3.8	-8.6	0.9
Apr	2.5	1.7	-2.0	0.2	-8.3	15.3
May	3.6	-11.1	0.4	9.1	-3.3	-2.2
Jun	2.6	-7.5	0.4	11.2	-7.6	4.3
Jul	1.1	-5.7	-	-3.7	-5.6	-3.6
Aug	0.4	2.7	-0.1	-6.3	-6.3	-0.4
Sep	0.7	-2.1	-1.6	-4.6	-4.6	1.6
Oct	-0.1	-5.2	-0.9	-7.7	-5.1	-6.8
Nov	0.4	-3.8	-1.3	-6.1	-6.2	11.9
Dec	1.4	-0.1	1.8	-4.1	-1.4	18.8
2017 Jan	1.5	-6.5	3.1	-2.5	1.2	5.4
Feb	1.0	1.2	3.0	0.2	0.5	-8.0
Mar	4.2	5.3	4.4	12.9	3.7	-8.5
Apr	2.7	-5.0	2.0	11.8	4.4	-13.6
May	-	6.0	1.5	2.4	2.9	-4.2
Jun	0.9	5.3	1.5	2.2	6.2	2.0
Jul	3.1	7.8	1.7	-6.4	1.8	-1.9
Aug	2.8	2.3	1.4	0.4	3.9	-1.2
Sep	0.3	-2.5	1.6	0.5	3.5	-4.2
Oct	3.0	-2.0	0.2	-2.3	2.3	3.1
Nov	3.3	-0.4	-1.0	-7.1	4.2	-7.2
Dec	1.0	-2.3	-2.8	-3.9	0.8	-15.5
2018 Jan	0.7	-4.3	-2.4	-7.5	-1.2	-2.5
Feb	0.4	-6.9	-1.2	-9.4	2.3	7.3
Mar	0.2	-9.0	-2.1	-8.8	0.1	1.8
Apr	-0.5	-5.3	-2.4	-6.7	-2.9	0.4

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

<sup>†</sup> 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 added<sup>1</sup>

continued

Seasonally adjusted 2015 = 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	58.5	87.6	33.0	21.7	44.0	102.9	67.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2013	90.9	98.2	98.3	103.0	110.1	91.4	95.4
2014	102.9	99.8	102.2	99.7	114.8	94.5	100.7
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016	101.6	98.6	101.4	97.1	100.7	103.8	106.0
2017	101.4	101.0	105.9	101.1	108.9	107.9	112.2
2017 Q1	101.6	98.5	103.7	99.6	106.8	107.2	111.0
Q2	101.3	99.5	105.4	100.5	104.7	105.6	109.7
Q3	101.6	100.3	106.8	102.1	109.1	108.9	113.5
Q4	101.0	105.7	107.8	102.2	114.9	110.0	114.4
2018 Q1	100.8	105.1	112.5	93.1	119.6	112.0	116.3
2017 Feb	100.9	98.4	105.6	101.7	109.8	107.6	111.5
Mar	101.6	98.3	100.4	96.4	105.9	106.2	110.8
Apr	101.4	97.9	100.9	100.3	104.7	107.7	107.2
May	102.4	98.6	105.4	98.7	107.4	105.9	108.9
Jun	100.2	102.0	110.0	102.5	102.1	103.0	113.0
Jul	101.4	98.8	103.7	104.4	107.3	110.3	112.1
Aug	101.5	100.7	107.3	98.9	108.2	108.0	112.5
Sep	101.8	101.4	109.6	103.1	112.0	108.5	115.9
Oct	100.9	104.2	107.1	103.2	113.0	112.0	112.2
Nov	102.3	104.6	107.5	101.5	114.9	108.2	115.0
Dec	99.9	108.4	108.8	102.0	116.8	109.8	116.0
2018 Jan	101.7	104.5	110.9	96.9	121.2	112.0	116.2
Feb	100.4	106.1	112.5	93.2	116.5	113.0	114.0
Mar	100.2	104.8	114.1	89.3	121.0	110.8	118.8
Apr	99.4	100.9	112.9	89.7	117.3	109.1	115.6
<b>Percentage change, latest year on previous year</b>							
2013	-2.8	-2.8	-2.1	-4.7	-11.8	7.6	4.6
2014	13.2	1.6	3.9	-3.2	4.3	3.4	5.5
2015	-2.8	0.2	-2.1	0.3	-12.9	5.8	-0.7
2016	1.6	-1.4	1.4	-2.9	0.7	3.8	6.0
2017	-0.2	2.5	4.5	4.2	8.1	4.0	5.8
<b>Percentage change, latest month on same month a year ago</b>							
2016 Feb	-0.4	-4.2	-	-1.7	-6.2	-	1.3
Mar	-1.3	-3.8	-2.0	-5.2	-1.6	4.4	0.5
Apr	3.3	-5.1	2.4	-4.5	-1.3	7.6	0.9
May	1.9	1.1	3.6	-6.1	1.7	5.7	4.7
Jun	0.5	-4.9	-5.8	-5.0	-0.6	5.4	8.7
Jul	0.3	1.0	1.3	-4.4	2.6	5.9	8.9
Aug	2.6	0.3	0.5	-4.8	2.7	3.1	9.6
Sep	2.6	-2.9	0.4	-5.9	1.2	2.3	7.8
Oct	2.8	-3.3	4.9	-2.2	3.9	-0.4	13.4
Nov	4.1	0.4	4.5	3.0	5.6	3.1	5.4
Dec	2.6	6.6	7.5	2.0	6.0	4.2	9.3
2017 Jan	1.1	-1.5	4.7	2.4	6.9	6.3	6.6
Feb	-0.2	-1.1	7.1	2.9	13.4	9.1	8.9
Mar	1.4	-0.1	2.3	0.1	4.9	4.1	6.6
Apr	-2.2	0.3	-1.6	3.4	1.6	1.8	3.0
May	1.1	-	3.2	4.5	7.6	-0.1	3.3
Jun	-0.6	4.3	11.2	6.9	3.8	-2.4	3.0
Jul	1.1	-	2.3	11.2	7.2	7.2	5.1
Aug	0.9	1.8	6.5	5.5	6.2	2.3	7.0
Sep	-0.3	4.3	9.3	7.6	10.4	4.0	6.8
Oct	-1.4	9.7	3.7	5.0	12.3	8.7	4.7
Nov	-0.8	7.4	5.4	-0.6	12.1	3.4	9.3
Dec	-2.2	4.7	0.4	1.9	11.1	3.9	5.8
2018 Jan	-0.7	5.6	5.6	-3.8	15.8	3.9	4.9
Feb	-0.5	7.9	6.6	-8.4	6.1	5.1	2.2
Mar	-1.4	6.6	13.6	-7.4	14.3	4.3	7.2
Apr	-2.0	3.0	11.9	-10.6	12.1	1.2	7.9

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

<sup>†</sup> 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 added<sup>1</sup>

continued

Seasonally adjusted 2015 = 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	114.5	26.8	50.3	13.0	49.5	51.1
	K22B	K22P	K22T	K22X	K22Z	K239
<b>Percentage change, latest month on previous month</b>						
2016						
Feb	0.9	-6.8	-2.0	-3.5	-1.9	7.1
Mar	-2.8	-1.8	0.4	-9.4	-1.6	0.6
Apr	2.1	6.8	1.5	2.2	0.8	7.9
May	1.3	-7.7	0.9	8.9	-	-8.2
Jun	-1.2	0.8	-0.7	0.6	-2.0	-1.7
Jul	-0.6	0.7	-0.5	-1.1	2.9	-4.2
Aug	0.1	0.3	0.5	-3.1	-0.9	2.4
Sep	1.0	1.3	-0.3	4.9	2.4	3.2
Oct	-1.2	-1.7	-0.1	1.9	-1.2	-4.5
Nov	0.4	-1.2	1.4	1.6	-0.4	11.4
Dec	1.4	3.3	1.2	-4.0	1.8	8.3
2017						
Jan	0.2	0.1	0.6	-0.3	1.3	-13.8
Feb	0.5	0.8	-2.1	-0.9	-2.6	-6.5
Mar	0.3	2.1	1.8	2.1	1.5	-
Apr	0.6	-3.6	-0.8	1.2	1.5	1.9
May	-1.4	3.0	0.4	-0.3	-1.4	1.8
Jun	-0.3	0.1	-0.8	0.4	1.2	4.7
Jul	1.6	3.2	-0.2	-9.4	-1.3	-7.9
Aug	-0.3	-4.8	0.3	4.0	1.2	3.1
Sep	-1.5	-3.4	-0.2	5.0	2.0	-
Oct	1.5	-1.2	-1.4	-0.9	-2.3	2.7
Nov	0.7	0.4	0.3	-3.4	1.4	0.2
Dec	-0.9	1.4	-0.7	-0.7	-1.5	-1.3
2018						
Jan	-0.1	-2.0	1.1	-4.0	-0.8	-0.6
Feb	0.2	-1.9	-0.9	-2.9	0.9	2.9
Mar	0.1	-0.2	0.9	2.7	-0.7	-5.2
Apr	-0.1	0.3	-1.2	3.5	-1.5	0.5
<b>Percentage change, latest 3 months on same 3 months a year ago</b>						
2016						
Feb	0.2	5.6	-2.5	1.6	-3.2	0.8
Mar	0.2	1.4	-4.0	-0.5	-6.8	1.4
Apr	1.0	-1.6	-3.4	-2.1	-8.2	7.5
May	1.7	-5.1	-1.8	1.8	-6.8	4.4
Jun	2.9	-5.8	-0.4	6.8	-6.4	5.6
Jul	2.4	-8.2	0.2	5.1	-5.5	-0.6
Aug	1.4	-3.7	0.1	-0.1	-6.5	0.1
Sep	0.7	-1.8	-0.6	-4.9	-5.5	-0.8
Oct	0.4	-1.6	-0.8	-6.2	-5.3	-1.9
Nov	0.4	-3.7	-1.3	-6.2	-5.3	2.0
Dec	0.6	-3.1	-0.1	-6.0	-4.2	7.7
2017						
Jan	1.1	-3.5	1.2	-4.3	-2.2	12.1
Feb	1.3	-1.9	2.7	-2.2	0.1	5.2
Mar	2.2	-0.2	3.5	3.2	1.8	-3.9
Apr	2.6	0.4	3.2	8.0	2.9	-10.1
May	2.3	1.9	2.6	8.8	3.6	-8.9
Jun	1.2	1.9	1.7	5.3	4.5	-5.5
Jul	1.4	6.4	1.6	-0.6	3.6	-1.4
Aug	2.3	5.1	1.5	-1.3	3.9	-0.3
Sep	2.0	2.5	1.6	-1.8	3.0	-2.4
Oct	2.0	-0.8	1.1	-0.5	3.2	-0.8
Nov	2.2	-1.6	0.3	-3.0	3.3	-3.0
Dec	2.4	-1.6	-1.2	-4.5	2.4	-7.1
2018						
Jan	1.7	-2.4	-2.1	-6.2	1.2	-8.7
Feb	0.7	-4.5	-2.1	-6.9	0.6	-4.4
Mar	0.4	-6.8	-1.9	-8.5	0.4	2.1
Apr	-	-7.1	-1.9	-8.3	-0.2	3.2

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

<sup>†</sup> 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 added<sup>1</sup>

Seasonally adjusted 2015 = 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	58.5	87.6	33.0	21.7	44.0	102.9	67.4	
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z	
<b>Percentage change, latest month on previous month†</b>								
2016	Feb	-0.1	-1.0	-1.7	0.5	-1.1	-2.9	-1.4
	Mar	-0.9	-1.1	-0.4	-2.5	4.3	3.5	1.5
	Apr	3.5	-0.8	4.4	0.8	2.0	3.7	0.1
	May	-2.3	1.0	-0.4	-2.7	-3.1	0.1	1.2
	Jun	-0.5	-0.7	-3.1	1.5	-1.5	-0.3	4.2
	Jul	-0.5	0.9	2.5	-2.0	1.7	-2.5	-2.8
	Aug	0.3	0.1	-0.7	-0.2	1.7	2.6	-1.4
	Sep	1.5	-1.7	-0.5	2.2	-0.4	-1.2	3.3
	Oct	0.2	-2.2	3.1	2.6	-0.8	-1.2	-1.3
	Nov	0.8	2.6	-1.3	3.8	1.9	1.5	-1.8
	Dec	-1.0	6.3	6.2	-2.0	2.5	1.0	4.1
2017	Jan	0.3	-4.4	-3.0	0.7	-0.4	2.1	1.1
	Feb	-1.5	-0.6	0.5	1.0	4.9	-0.3	0.7
	Mar	0.7	-0.1	-4.9	-5.2	-3.6	-1.3	-0.6
	Apr	-0.2	-0.4	0.5	4.1	-1.1	1.4	-3.3
	May	0.9	0.6	4.5	-1.6	2.6	-1.7	1.6
	Jun	-2.2	3.5	4.4	3.8	-4.9	-2.7	3.8
	Jul	1.3	-3.2	-5.7	1.9	5.0	7.1	-0.8
	Aug	0.1	1.9	3.4	-5.3	0.8	-2.1	0.4
	Sep	0.3	0.7	2.2	4.2	3.5	0.4	3.0
	Oct	-0.9	2.8	-2.3	0.1	0.9	3.3	-3.2
	Nov	1.4	0.5	0.4	-1.7	1.7	-3.4	2.5
	Dec	-2.3	3.6	1.2	0.5	1.6	1.5	0.8
2018	Jan	1.7	-3.6	2.0	-4.9	3.7	2.0	0.2
	Feb	-1.2	1.6	1.5	-3.9	-3.9	0.9	-1.9
	Mar	-0.2	-1.3	1.4	-4.2	3.9	-1.9	4.2
	Apr	-0.8	-3.7	-1.0	0.5	-3.1	-1.6	-2.7
<b>Percentage change, latest 3 months on same 3 months a year ago†</b>								
2016	Feb	-1.6	-2.9	-3.2	-1.9	-7.7	3.1	1.4
	Mar	-0.5	-3.1	-0.7	-2.4	-4.2	3.1	1.4
	Apr	0.5	-4.4	0.1	-3.8	-3.0	4.0	0.9
	May	1.3	-2.7	1.3	-5.2	-0.5	5.9	2.0
	Jun	1.9	-3.1	-	-5.2	-0.1	6.3	4.7
	Jul	0.9	-1.0	-0.4	-5.1	1.2	5.7	7.4
	Aug	1.1	-1.3	-1.4	-4.7	1.6	4.8	9.0
	Sep	1.8	-0.5	0.7	-5.0	2.2	3.7	8.7
	Oct	2.7	-2.0	1.9	-4.3	2.6	1.6	10.2
	Nov	3.2	-2.0	3.2	-1.7	3.6	1.7	8.8
	Dec	3.2	1.2	5.6	0.9	5.2	2.3	9.3
2017	Jan	2.6	1.8	5.5	2.5	6.2	4.6	7.1
	Feb	1.2	1.3	6.4	2.5	8.7	6.5	8.2
	Mar	0.7	-0.9	4.7	1.9	8.3	6.5	7.4
	Apr	-0.4	-0.3	2.5	2.1	6.5	4.9	6.2
	May	0.1	0.1	1.3	2.6	4.6	1.9	4.3
	Jun	-0.6	1.5	4.2	4.9	4.3	-0.2	3.1
	Jul	0.5	1.4	5.5	7.5	6.2	1.5	3.8
	Aug	0.4	2.0	6.6	7.8	5.7	2.3	5.0
	Sep	0.5	2.1	6.0	8.1	7.9	4.4	6.3
	Oct	-0.3	5.2	6.5	6.0	9.6	4.9	6.2
	Nov	-0.8	7.1	6.1	3.9	11.6	5.4	6.9
	Dec	-1.4	7.2	3.1	2.1	11.8	5.3	6.6
2018	Jan	-1.2	5.9	3.8	-0.8	13.0	3.8	6.6
	Feb	-1.1	6.0	4.2	-3.4	10.9	4.3	4.3
	Mar	-0.9	6.7	8.5	-6.5	12.0	4.4	4.8
	Apr	-1.3	5.8	10.6	-8.8	10.8	3.5	5.7

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

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# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2015 = 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	114.5	26.8	50.3	13.0	49.5	51.1
	K22B	K22P	K22T	K22X	K22Z	K239
<b>Percentage change, latest 3 months on previous 3 months</b>						
2016						
Feb	0.6	0.4	-2.1	-6.8	-4.3	-1.3
Mar	-	0.2	-2.5	-11.1	-4.9	0.7
Apr	-0.1	-1.8	-2.3	-12.0	-4.6	8.9
May	-0.4	-2.6	0.2	-8.2	-2.8	6.6
Jun	1.0	-2.1	1.5	0.2	-1.5	4.1
Jul	0.7	-3.4	1.4	6.8	-0.3	-5.7
Aug	-	-1.8	0.2	5.3	-	-6.7
Sep	-0.6	-0.8	-0.4	1.6	1.8	-5.5
Oct	-0.5	1.4	-0.2	0.2	1.6	-0.5
Nov	0.1	0.2	0.4	4.2	1.9	3.9
Dec	0.2	-0.4	1.3	3.8	0.4	8.7
2017						
Jan	0.9	0.3	2.3	1.6	1.2	9.7
Feb	1.5	2.3	1.8	-2.8	1.1	1.8
Mar	1.7	3.2	1.1	-2.4	1.1	-10.1
Apr	1.5	2.2	-0.4	-0.7	0.3	-12.7
May	0.6	1.2	0.2	2.1	0.7	-7.7
Jun	-0.1	-	-0.3	2.2	1.0	2.4
Jul	-0.5	2.3	-0.1	-1.7	0.4	3.5
Aug	-	1.3	-0.8	-4.5	0.2	2.1
Sep	0.2	-0.3	-0.5	-5.3	0.4	-2.5
Oct	0.2	-5.4	-0.7	0.3	1.3	-
Nov	0.1	-6.2	-0.9	2.3	1.3	1.2
Dec	0.6	-4.4	-1.5	1.0	-0.2	3.5
2018						
Jan	0.5	-1.3	-0.8	-4.2	-0.7	1.0
Feb	-	-0.7	-0.6	-6.7	-1.5	0.3
Mar	-0.3	-2.2	0.4	-6.5	-0.9	-1.2
Apr	-0.2	-2.7	-0.2	-2.9	-1.1	-1.3

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

<sup>†</sup> 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 added<sup>1</sup>

Seasonally adjusted 2015 = 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	58.5	87.6	33.0	21.7	44.0	102.9	67.4	
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z	
<b>Percentage change, latest 3 months on previous 3 months</b>								
2016	Feb	1.3	0.6	1.3	-2.0	-0.1	-1.8	3.9
	Mar	1.5	2.0	0.1	-1.4	0.9	-1.4	5.3
	Apr	1.7	0.3	0.2	-1.1	2.3	0.7	2.1
	May	1.1	-0.8	1.0	-2.5	3.4	4.1	2.2
	Jun	1.1	-1.4	2.1	-2.0	1.9	5.1	2.9
	Jul	-0.8	-0.1	1.1	-2.7	-0.8	2.6	3.6
	Aug	-1.1	0.3	-0.6	-1.5	-1.2	0.1	2.6
	Sep	-0.9	0.3	-0.4	-1.4	0.7	-1.4	0.4
	Oct	0.9	-1.4	0.6	1.2	1.8	-0.5	-0.3
	Nov	1.9	-2.0	1.5	4.4	1.4	-0.7	-0.2
	Dec	1.5	0.4	3.7	6.0	1.6	0.1	0.5
2017	Jan	0.8	3.1	3.6	5.2	2.8	1.6	1.5
	Feb	-0.7	3.9	4.4	2.1	4.9	2.9	3.4
	Mar	-0.9	-0.1	-0.8	-0.5	3.9	2.6	3.4
	Apr	-1.2	-1.8	-2.7	-1.4	2.6	1.1	1.2
	May	-	-2.0	-3.9	-2.3	-0.5	-0.4	-1.5
	Jun	-0.3	1.0	1.7	0.9	-1.9	-1.6	-1.2
	Jul	-	1.6	4.0	2.4	-1.1	-0.7	1.3
	Aug	-0.8	2.3	4.7	3.5	-0.1	0.5	3.3
	Sep	0.2	0.8	1.4	1.6	4.2	3.2	3.5
	Oct	0.1	2.3	1.5	-0.1	5.1	2.9	2.0
	Nov	0.6	2.9	1.0	0.6	7.0	2.3	1.6
	Dec	-0.5	5.5	0.9	0.1	5.3	1.0	0.8
2018	Jan	-0.1	3.7	1.0	-1.6	6.0	0.5	1.9
	Feb	-1.0	2.9	2.5	-5.1	4.3	1.9	0.9
	Mar	-0.3	-0.6	4.4	-8.9	4.1	1.7	1.7
	Apr	-1.3	-1.8	3.8	-9.4	0.5	0.9	0.3

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

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

- [Page 1](#) Output by Broad industry groups and Main industrial groupings  
Percentage change, latest year on previous year  
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# IOP5R

## Output of the Production Industries Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2015 = 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 MIG-NRG
Latest weight	1 000.0	87.1	720.5	120.3	72.1	65.1	49.3	204.4	240.5	267.9	219.9
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2013	-	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-
2017 Q1	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
<b>Percentage change, latest year on previous year</b>											
2013	-	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-
<b>Percentage change, latest month on same month a year ago</b>											
2016 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-

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

<sup>†</sup> 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 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 MIG-NRG
Latest weight	1 000.0	87.1	720.5	120.3	72.1	65.1	49.3	204.4	240.5	267.9	219.9
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
<b>Percentage change, latest month on previous month</b>											
2016	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
<b>Percentage change, latest 3 months on same 3 months a year ago</b>											
2016	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-

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

<sup>†</sup> 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 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 MIG-NRG
Latest weight	1 000.0	87.1	720.5	120.3	72.1	65.1	49.3	204.4	240.5	267.9	219.9
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
<b>Percentage change, latest 3 months on previous 3 months</b>											
2016	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-

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

<sup>†</sup> 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<sup>1</sup>

Seasonally adjusted 2015 = 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	114.5	26.8	50.3	13.0	49.5	51.1
	K22B	K22P	K22T	K22X	K22Z	K239
2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-
2017	-	-	-	-	-	-
2017 Q1	-	-	-	-	-	-
2017 Q2	-	-	-	-	-	-
2017 Q3	-	-	-	-	-	-
2017 Q4	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-
2017 Feb	-	-	-	-	-	-
2017 Mar	-	-	-	-	-	-
2017 Apr	-	-	-	-	-	-
2017 May	-	-	-	-	-	-
2017 Jun	-	-	-	-	-	-
2017 Jul	-	-	-	-	-	-
2017 Aug	-	-	-	-	-	-
2017 Sep	-	-	-	-	-	-
2017 Oct	-	-	-	-	-	-
2017 Nov	-	-	-	-	-	-
2017 Dec	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-
2018 Feb	-	-	-	-	-	-
2018 Mar	-	-	-	-	-	-
<b>Percentage change, latest year on previous year</b>						
2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-
2017	-	-	-	-	-	-
<b>Percentage change, latest month on same month a year ago</b>						
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	-	-	-	-	-	-
2017 May	-	-	-	-	-	-
2017 Jun	-	-	-	-	-	-
2017 Jul	-	-	-	-	-	-
2017 Aug	-	-	-	-	-	-
2017 Sep	-	-	-	-	-	-
2017 Oct	-	-	-	-	-	-
2017 Nov	-	-	-	-	-	-
2017 Dec	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-
2018 Feb	-	-	-	-	-	-
2018 Mar	-	-	-	-	-	-

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

<sup>†</sup> 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	58.5	87.6	33.0	21.7	44.0	102.9	67.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2013	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
2017 Q1	-	-	-	-	-	-	-
2017 Q2	-	-	-	-	-	-	-
2017 Q3	-	-	-	-	-	-	-
2017 Q4	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-
2017 Feb	-	-	-	-	-	-	-
2017 Mar	-	-	-	-	-	-	-
2017 Apr	-	-	-	-	-	-	-
2017 May	-	-	-	-	-	-	-
2017 Jun	-	-	-	-	-	-	-
2017 Jul	-	-	-	-	-	-	-
2017 Aug	-	-	-	-	-	-	-
2017 Sep	-	-	-	-	-	-	-
2017 Oct	-	-	-	-	-	-	-
2017 Nov	-	-	-	-	-	-	-
2017 Dec	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-
2018 Feb	-	-	-	-	-	-	-
2018 Mar	-	-	-	-	-	-	-
<b>Percentage change, latest year on previous year</b>							
2013	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
<b>Percentage change, latest month on same month a year ago</b>							
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	-	-	-	-	-	-	-
2017 May	-	-	-	-	-	-	-
2017 Jun	-	-	-	-	-	-	-
2017 Jul	-	-	-	-	-	-	-
2017 Aug	-	-	-	-	-	-	-
2017 Sep	-	-	-	-	-	-	-
2017 Oct	-	-	-	-	-	-	-
2017 Nov	-	-	-	-	-	-	-
2017 Dec	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-
2018 Feb	-	-	-	-	-	-	-
2018 Mar	-	-	-	-	-	-	-

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<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5R

continued

## Output of the Production Industries

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2015 = 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	114.5	26.8	50.3	13.0	49.5	51.1
	K22B	K22P	K22T	K22X	K22Z	K239

### Percentage change, latest month on previous month

2016	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-

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

2016	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-

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

<sup>†</sup> 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	58.5	87.6	33.0	21.7	44.0	102.9	67.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

**Percentage change, latest month on previous month†**

2016	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-

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

2016	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-

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continued

## Output of the Production Industries

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2015 = 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	114.5	26.8	50.3	13.0	49.5	51.1
	K22B	K22P	K22T	K22X	K22Z	K239

### Percentage change, latest 3 months on previous 3 months

2016	Jan	-	-	-	-	-
	Feb	-	-	-	-	-
	Mar	-	-	-	-	-
	Apr	-	-	-	-	-
	May	-	-	-	-	-
	Jun	-	-	-	-	-
	Jul	-	-	-	-	-
	Aug	-	-	-	-	-
	Sep	-	-	-	-	-
	Oct	-	-	-	-	-
	Nov	-	-	-	-	-
	Dec	-	-	-	-	-
2017	Jan	-	-	-	-	-
	Feb	-	-	-	-	-
	Mar	-	-	-	-	-
	Apr	-	-	-	-	-
	May	-	-	-	-	-
	Jun	-	-	-	-	-
	Jul	-	-	-	-	-
	Aug	-	-	-	-	-
	Sep	-	-	-	-	-
	Oct	-	-	-	-	-
	Nov	-	-	-	-	-
	Dec	-	-	-	-	-
2018	Jan	-	-	-	-	-
	Feb	-	-	-	-	-
	Mar	-	-	-	-	-

<sup>1</sup> 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 added<sup>1</sup>

Seasonally adjusted 2015 = 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
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Latest weight	58.5	87.6	33.0	21.7	44.0	102.9	67.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

**Percentage change, latest 3 months on previous 3 months**

2016	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-

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