

Statistical bulletin

Index of Production, UK: March 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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Next release:
11 June 2018

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1 . Main points

- In the three months to March 2018, the Index of Production increased by 0.6% compared with the three months to December 2017, due mainly to a rise of 2.5% in energy supply; this was supported by rises in mining and quarrying of 2.2% and manufacturing of 0.2%.
- The three-monthly rise in manufacturing is due mainly to rises in machinery and equipment not elsewhere classified (4.1%), transport equipment (1.7%) and computer, electronic and optical equipment (4.4%).
- In the three months to March 2018 growth has fallen due mainly to a reduction in the growth rate of both export and domestic turnover, and a slow-down in basic metals and metal products due to a high growth in the three months to December 2017.
- In March 2018, total production was estimated to have increased by 0.1% compared with February 2018.
- Manufacturing fell by 0.1% in March 2018 compared with February 2018. Survey led evidence suggests that the heavy snowfall in March 2018 had no significant impact on manufacturing output.
- In the three months to March 2018, the Index of Production increased by 2.0% compared with the same three months to March 2017.
- In this release, the Index of Production estimate for Quarter 1 (Jan to Mar) 2018 was revised down by 0.1% from the increase of 0.7% published in the [Gross domestic product, preliminary estimate: January to March 2018](#); when combined with the publication of the Construction output in Great Britain: March 2018 today (10 May 2018), the headline gross domestic product (GDP) growth rate has not been impacted to one decimal place.

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 the Monthly Business Survey (MBS) of approximately 6,000 businesses. 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 open for revision from January 2018. 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 (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 downturn during 2012. Since then, both production and manufacturing output have risen but remain below their level reached in the pre-downturn gross domestic product (GDP) peak in Quarter 1 (Jan to Mar) 2008, by 5.1% and 0.8% respectively in the three months to March 2018.

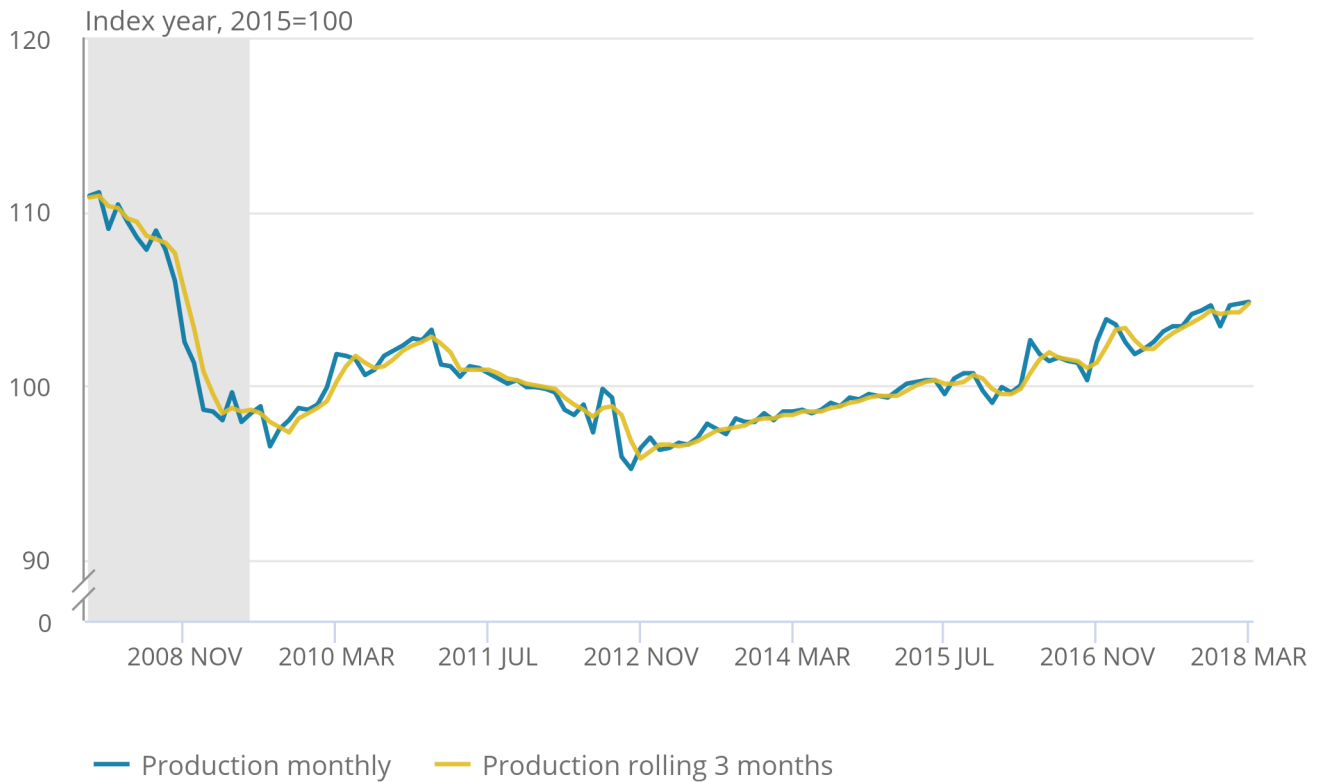
Figure 1: Index of Production in the UK

Seasonally adjusted, January 2008 to March 2018

Economic downturn

Figure 1: Index of Production in the UK

Seasonally adjusted, January 2008 to March 2018



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 the UK

Seasonally adjusted, January 2008 to March 2018

Economic downturn

Figure 2: Index of Manufacturing in the UK

Seasonally adjusted, January 2008 to March 2018



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 March 2018.

The three months-on-previous three months estimate of total production rose by 0.6% in March 2018, with three of the four main sectors increasing. The largest upward contribution came from energy supply, which rose by 2.5%, due mainly to lower than average temperatures.

The monthly estimate of total production increased by 0.1%. Energy supply provided the largest upward contribution, rising by 2.6%, due mainly to the lower than average temperature in both February and March 2018. In contrast, mining and quarrying fell by 2.4%. Manufacturing fell by 0.1%, with 7 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, March 2018, UK

Description	% of production ¹	Month on previous month growth (%)	Contribution to production (% points)	Most recent 3 months on previous 3 months growth (%)	Contribution to production (% points)
IoP	100.0	0.1	0.07	0.6	0.56
Mining and quarrying	8.7	-2.4	-0.20	2.2	0.18
Manufacturing	72.0	-0.1	-0.08	0.2	0.15
Electricity, gas, steam and air conditioning	12.0	2.6	0.32	2.5	0.30
Water supply, sewerage and waste management	7.2	0.4	0.03	-1.0	-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 three months-on-previous three months increase?

In the three months on previous three months to March 2018, total production was estimated to have increased by 0.6% (Table 2) and follows an increase of 0.4% in the three months to December 2017. Of the four main sectors, three sectors displayed increased output.

Following a decrease of 0.4% in the three months to December 2017, energy supply provided the largest upward contribution to total production in the three months to March 2018, rising by 2.5%. This was the strongest growth since the three months to January 2017, when it increased by 4.0%. Within this sector, gas supply increased by 7.5%, due mainly to lower than average temperatures.

Supporting the overall rise in total production output was the manufacturing sector, which increased by 0.2% and followed a rise of 1.3% for the three months to December 2017.

The overall three-monthly rise in manufacturing is not broad-based, with only 5 of the 13 manufacturing sub-sectors experiencing growth. There were notable rises in: machinery and equipment not elsewhere classified (4.1%), transport equipment (1.7%), and computer, electronic and optical products (4.4%). In contrast, electrical equipment fell by 8.9% and this was the largest three-monthly fall since April 2009. This is due mainly to broad-based weakness compounded by some re-structuring.

Although heavy snowfall affected much of the UK during March 2018, survey-led evidence suggested that this had no significant impact on overall growth during the three months to March 2018.

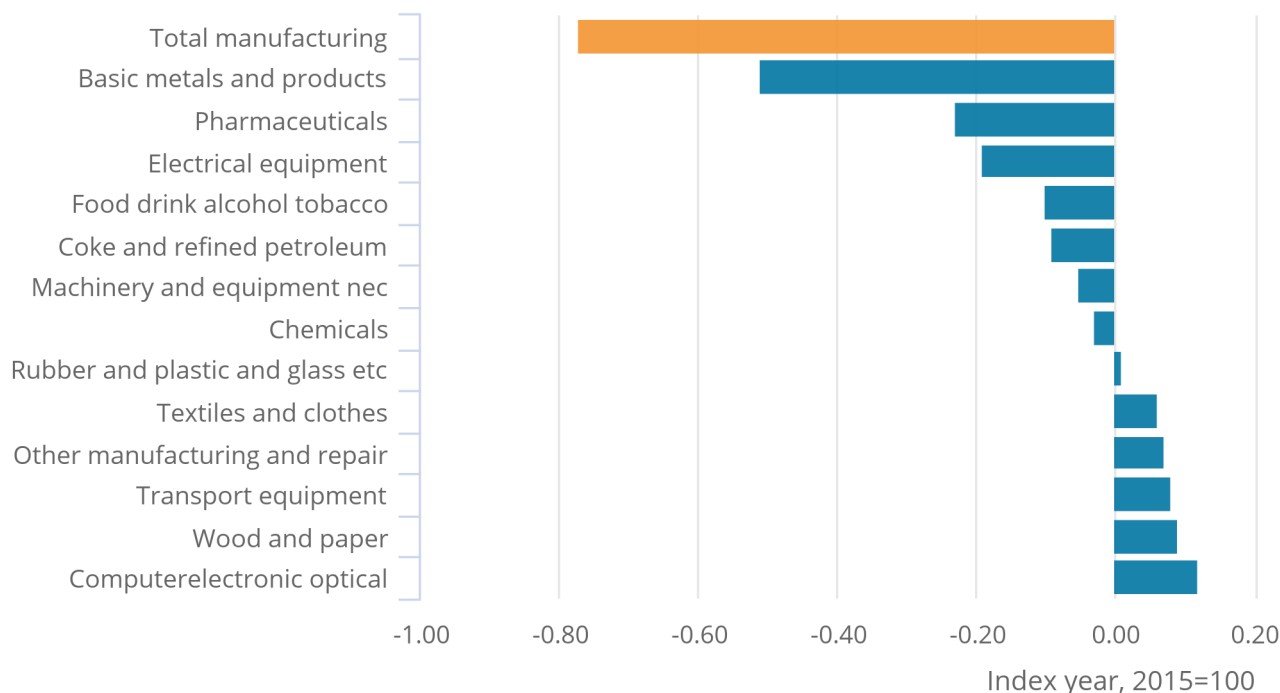
Despite the sustained period of strength within this sector during the latter part of 2017, there has been a slowdown since January 2018. The manufacturing growth for Quarter 1 (Jan to Mar) 2018, although positive, provides a much weaker contribution to total production output compared with Quarter 4 (Oct to Dec) 2017.

Figure 3: Change in contribution to production growth from total manufacturing and sub-sectors, UK

Seasonally adjusted, Quarter 4 (Oct to Dec) 2017 to Quarter 1 (Jan to Mar) 2018

Figure 3: Change in contribution to production growth from total manufacturing and sub-sectors, UK

Seasonally adjusted, Quarter 4 (Oct to Dec) 2017 to Quarter 1 (Jan to Mar) 2018



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

Notes:

1. Due to an issue with the ratios on the pdf, some of the industry labels did not show on earlier versions of the pdf.

Figure 3 highlights the change in contribution to total production growth from manufacturing and for each sub-sector, between Quarter 4 2017 compared with Quarter 1 2018. Out of the 13 sub-sectors, 7 showed weaker contributions when compared with Quarter 4 2017. The basic metals and metal products sub-sector provided the largest change in contribution, due mainly to very strong growth during Quarter 4 2017 on infra-structure projects within the fabrication of metals industry.

The recent slowdown within manufacturing is due to a weakening in export and domestic turnover. As highlighted previously, manufacturing output over a longer time span has slowed and this trend 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).

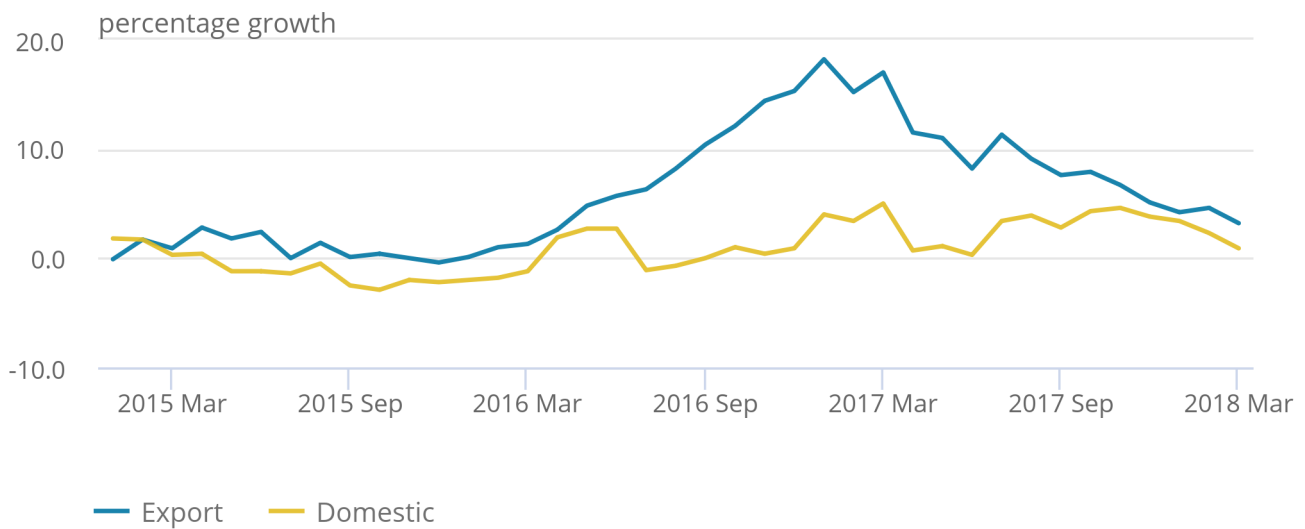
Figure 4 shows that during 2016, growth in export turnover peaked in January 2017 at 18.2%. In contrast, domestic turnover growth peaked in March 2017 at 5.0%. Export turnover has gradually declined since January 2017 to 3.2% for the three months to March 2018, compared with the same three months to March 2017 – the weakest growth since April 2016 when export turnover increased by 2.6%. Domestic growth has fallen to 0.9% in March 2018.

Figure 4: Manufacturing three-month-on-three-month a year ago growth rates, UK

Current price, non-seasonally adjusted, January 2015 to March 2018

Figure 4: Manufacturing three-month-on-three-month a year ago growth rates, UK

Current price, non-seasonally adjusted, January 2015 to March 2018



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

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

Sector	Summary Description	3 months on previous 3 months growth (Percentage)	Contribution to production (Percentage points)
IoP	Index of Production	0.6	0.56
Sector B	Total Mining and Quarrying	2.2	0.18
5	Coal and Lignite	5.9	0.00
6	Crude petroleum and Natural gas	3.5	0.22
789	Other mining and quarrying	-2.2	-0.04
Sector C	Total Manufacturing	0.2	0.15
CA	Food, beverages and tobacco	-0.3	-0.04
CB	Textiles and leather products	-2.2	-0.05
CC	Wood, paper and printing	0.4	0.02
CD	Coke and petroleum	-6.5	-0.08
CE	Chemical products	-0.9	-0.04
CF	Pharmaceutical products	-1.2	-0.06
CG	Rubber and plastic products	-0.3	-0.02
CH	Metal products	-0.6	-0.05
CI	Computer, electronic and optical	4.4	0.15
CJ	Electrical equipment	-8.9	-0.19
CK	Machinery and equipment	4.1	0.20
CL	Transport equipment	1.7	0.19
CM	Other manufacturing and repair	1.7	0.13
Sector D	Total Electricity and Gas	2.5	0.30
35.1	Electric power generation, transmission and distribution	0.2	0.02
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	7.5	0.28
Sector E	Total Water	-1.0	-0.07
36	Water collection, treatment and supply	2.2	0.05
37	Sewerage	0.9	0.02
38	Waste collection, treatment and disposal activities; materials recovery	-4.7	-0.14
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-previous three months a year ago increase?

Total production increased by 2.0% in the three months to March 2018, compared with the same three months to March 2017 (Table 3). Energy supply rose by 3.9%, due mainly to increased demand for gas driven by the lower than average temperatures during February and March 2018.

The largest upward contribution came from manufacturing, which increased by 2.5%. Within this sector, basic metals and metal products provided the largest upward contribution, increasing by 6.7%, continuing the recent strength in this sub-sector since April 2017.

Increases in total turnover were also reported for the three months to March 2018, compared with the same three months to March 2017, for the three industries within basic metals and metal products. These increases were published today (10 May 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.

Machinery and equipment not elsewhere classified; transport equipment; and other manufacturing and repair provided supporting strength.

Table 3: Growths and contributions to production, 3 months-on-previous 3 months a year ago, March 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	2.0	2.02
Sector B	Total Mining and Quarrying	0.1	0.01
5	Coal and Lignite	-28.9	0.00
6	Crude petroleum and Natural gas	0.5	0.03
789	Other mining and quarrying	-1.3	-0.02
Sector C	Total Manufacturing	2.5	1.82
CA	Food, beverages and tobacco	0.4	0.05
CB	Textiles and leather products	-6.8	-0.18
CC	Wood, paper and printing	-1.9	-0.09
CD	Coke and petroleum	-8.5	-0.11
CE	Chemical products	0.4	0.02
CF	Pharmaceutical products	2.1	0.10
CG	Rubber and plastic products	-0.9	-0.05
CH	Metal products	6.7	0.56
CI	Computer, electronic and optical	8.5	0.28
CJ	Electrical equipment	-6.5	-0.14
CK	Machinery and equipment	12.0	0.55
CL	Transport equipment	4.4	0.48
CM	Other manufacturing and repair	4.8	0.35
Sector D	Total Electricity and Gas	3.9	0.46
35.1	Electric power generation, transmission and distribution	1.5	0.12
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	8.9	0.34
Sector E	Total Water	-3.5	-0.27
36	Water collection, treatment and supply	2.2	0.04
37	Sewerage	-3.3	-0.08
38	Waste collection, treatment and disposal activities; materials recovery	-7.4	-0.22
39	Remediation activities and other waste management services	-9.5	-0.01

Source: Office for National Statistics

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

The monthly estimate of total production increased by 0.1% in March 2018 (Table 4). This follows an increase of 0.1% in February 2018.

The largest contribution came from energy supply, which increased by 2.6% and follows an increase of 3.4% in February 2018. Within this sector, both industries displayed increased output, with gas supply rising by 1.9% and electricity generation rising by 3.0%. The below-average temperature during March 2018 had a positive impact on energy supply. According to the Met Office, the [provisional UK mean temperature was 3.8 degrees Celsius in March 2018](#), which is 1.6 degrees Celsius below the 1981 to 2010 long-term average.

In contrast and largely offsetting growth from energy supply, was a fall in mining and quarrying. Output fell by 2.4%, due mainly to crude petroleum and natural gas, which decreased by 2.5%. Manufacturing output decreased by 0.1%, the second consecutive fall in this sector for the first time since February 2017, which continues a slowdown in output since the beginning of 2018. Within this sector, 7 of the 13 sub-sectors decreased on the month; led by pharmaceuticals, which fell by 5.2%.

Despite heavy snowfall in most areas of the UK during March 2018, there was no responder-led evidence via the Monthly Business Survey (MBS) to suggest that the snowfall had any significant impact.

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

Sector	Summary Description	Month on previous month growth (Percentage)	Contribution to production (Percentage points)
IoP	Index of Production	0.1	0.07
Sector B	Total Mining and Quarrying	-2.4	-0.20
5	Coal and Lignite	-22.7	0.00
6	Crude petroleum and Natural gas	-2.5	-0.16
789	Other mining and quarrying	-2.0	-0.04
Sector C	Total Manufacturing	-0.1	-0.08
CA	Food, beverages and tobacco	0.1	0.01
CB	Textiles and leather products	-0.2	0.00
CC	Wood, paper and printing	0.9	0.04
CD	Coke and petroleum	2.7	0.03
CE	Chemical products	-0.7	-0.03
CF	Pharmaceutical products	-5.2	-0.26
CG	Rubber and plastic products	-0.2	-0.01
CH	Metal products	-1.3	-0.11
CI	Computer, electronic and optical	1.4	0.05
CJ	Electrical equipment	-4.2	-0.08
CK	Machinery and equipment	3.9	0.19
CL	Transport equipment	-1.9	-0.21
CM	Other manufacturing and repair	4.2	0.31
Sector D	Total Electricity and Gas	2.6	0.32
35.1	Electric power generation, transmission and distribution	3.0	0.24
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	1.9	0.08
Sector E	Total Water	0.4	0.03
36	Water collection, treatment and supply	3.9	0.08
37	Sewerage	-2.0	-0.05
38	Waste collection, treatment and disposal activities; materials recovery	-0.2	-0.01
39	Remediation activities and other waste management services	0.0	0.00

Source: Office for National Statistics

7 . Upcoming changes

In our next release, IoP: April 2018, no previous periods will be open for revision. This is in line with the standard [National Accounts Revisions Policy](#). The IoP: May 2018 release will include methodological updates and revisions back to 1997 and is our Blue Book consistent publication. 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.

8 . Links to related statistics

We published the [Short-term economic indicators commentary](#) alongside this release (on 10 May 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: April 2018](#) on 27 April 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 added¹

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	O6	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 Jan	103.5	99.8	103.1	105.1	108.7	103.8	104.5	100.8	107.4	100.0	104.0	
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	99.1	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	
Percentage change, latest year on previous year												
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	
Percentage change, latest month on same month a year ago												
2016 Jan	0.6	1.6	0.2	-3.3	7.7	7.8	-3.5	-0.4	2.9	-2.8	1.2	
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	

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 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
Percentage change, latest month on previous month												
2016	Jan	0.9	-2.1	0.7	4.9	0.1	-1.5	-0.5	-0.3	0.4	1.8	1.7
	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 [†]	22.2 [†]	-	-2.6	-1.3 [†]	30.5 [†]	2.0	-0.6 [†]	0.9 [†]	-0.3	5.5 [†]
	Feb	0.1	-2.2	-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
Percentage change, latest 3 months on same 3 months a year ago²												
2016	Jan	0.1	6.1	-0.9	-3.3	6.2	12.6	-4.1	-0.4	-0.5	-3.1	3.1
	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

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 2015 = 100

		Broad industry groups					Main industrial groupings					
Section		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
Percentage change, latest 3 months on previous 3 months²												
2016	Jan	-1.1	-5.6	-0.2	-4.2	1.9	-5.2	1.8	-0.6	0.4	-1.2	-4.1
	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

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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 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 Jan	102.5	98.2	101.7	99.6	97.3	101.5
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
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 Jan	0.1	11.2	-3.6	4.9	-3.9	-3.2
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

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

IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 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 Jan	102.4	99.0	105.0	100.7	104.7	107.8	110.8
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 ^T	104.5	110.9 ^T	96.9 ^T	121.2 ^T	112.0	116.2 ^T
Feb	100.4	106.1 ^T	112.5	93.2	116.5	113.0 ^T	114.0
Mar	100.2	104.8	114.1	89.3	121.0	110.8	118.8
Percentage change, latest year on previous year							
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
Percentage change, latest month on same month a year ago							
2016 Jan	0.2	-1.3	-0.2	-0.4	-4.7	4.7	2.5
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 ^T	5.6	5.6 ^T	-3.8 ^T	15.8 ^T	3.9	4.9 ^T
Feb	-0.5	7.9 ^I	6.6	-8.4	6.1	5.1 ^I	2.2
Mar	-1.4	6.6	13.6	-7.4	14.3	4.3	7.2

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IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

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	
Percentage change, latest month on previous month							
2016	Jan	-	7.0	-0.6	-2.0	-1.3	-2.9
	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
Percentage change, latest 3 months on same 3 months a year ago							
2016	Jan	-0.5	7.0	-0.6	7.4	0.9	-2.3
	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

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

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 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	
Percentage change, latest month on previous month†								
2016	Jan	1.8	3.4	-0.4	0.3	-1.3	0.1	3.6
	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
Percentage change, latest 3 months on same 3 months a year ago								
2016	Jan	-2.8	-3.2	-5.1	-1.8	-10.2	4.7	-0.4
	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

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IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

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	
Percentage change, latest 3 months on previous 3 months							
2016	Jan	0.1	2.3	0.3	-0.4	-2.0	-4.0
	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

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IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

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

Percentage change, latest 3 months on previous 3 months

2016	Jan	0.9	-0.8	0.1	-1.8	-0.6	-1.2	4.5
	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

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.

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IOP5R

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

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	-	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-
2016 Q4	-	-	-	-	-	-	-	-	-	-	-
2017 Q1	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-
2016 Dec	-	-	-	-	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2018 Jan	-0.1	-0.7	-	-	-0.7	-0.9	-	0.1	-0.1	-	-0.3
Feb	-0.1	-0.1	-	-0.3	-0.9	-0.1	-0.3	-	-0.3	0.2	-0.1
Percentage change, latest year on previous year											
2013	-	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-
Percentage change, latest month on same month a year ago											
2015 Dec	-	-	-	-	-	-	-	-	-	-	-
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	-0.1	-0.6	-	0.1	-0.6	-0.8	-	0.1	-0.1	-	-0.3
Feb	-0.1	-	-	-0.2	-0.8	-0.2	-0.2	-	-0.2	0.2	-

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

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

Section	Broad industry groups						Main industrial groupings				
	Production industries 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 O6	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
Percentage change, latest month on previous month											
2015 Dec	-	-	-	-	-	-	-	-	-	-	-
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	-0.1	-0.8	-	-	-0.6	-1.1	-	0.2	-0.1	-	-0.4
Feb	-	0.5	-	-0.3	-0.3	0.6	-0.3	-0.1	-0.1	0.2	0.3
Percentage change, latest 3 months on same 3 months a year ago											
2015 Dec	-	-	-	-	-	-	-	-	-	-	-
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	-	-0.2	-	-	-0.2	-0.3	-	0.1	-	-	-0.1
Feb	-0.1	-0.3	-	-0.1	-0.5	-0.3	-	0.1	-0.1	-	-0.1

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

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

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
Percentage change, latest 3 months on previous 3 months											
2015 Dec	-	-	-	-	-	-	-	-	-	-	-
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	-0.1	-0.2	-	-	-0.2	-0.3	-	0.1	-0.1	-	-0.1
Feb	-	-0.2	-	-0.1	-0.5	-0.4	-0.1	0.1	-0.1	-	-0.1

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

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

Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 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	-	-	-	-	-	-
2016 Q4	-	-	-	-	-	-
2017 Q1	-	-	-	-	-	-
Q2	-	-	-	-	-	-
Q3	-	-	-	-	-	-
Q4	-	-	-	-	-	-
2016 Dec	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2018 Jan	0.1	0.2	0.2	0.1	0.2	-
Feb	-0.1	0.2	1.0	1.5	0.7	-0.4
Percentage change, latest year on previous year						
2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-
2017	-	-	-	-	-	-
Percentage change, latest month on same month a year ago						
2015 Dec	-	-	-	-	-	-
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	0.1	0.2	0.2	-	0.2	-
Feb	-0.1	0.3	1.0	1.5	0.7	-0.4

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

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

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	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	-	-	-	-	-	-	-
2016 Q4	-	-	-	-	-	-	-
2017 Q1	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-
2016 Dec	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2018 Jan	0.2	-	0.1	-0.9	-0.1	-	-0.4
Feb	0.3	-0.2	-0.8	-0.9	-	0.2	-0.4
Percentage change, latest year on previous year							
2013	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
Percentage change, latest month on same month a year ago							
2015 Dec	-	-	-	-	-	-	-
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	0.2	-	0.1	-0.9	-0.1	-	-0.3
Feb	0.3	-0.2	-0.7	-1.0	-	0.2	-0.4

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.

IOP5R

continued

Output of the Production Industries

Chained volume indices of gross value added¹

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

2015	Dec	-	-	-	-	-	-
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	-	0.2	0.2	0.1	0.2	-
	Feb	-0.1	-	0.9	1.5	0.4	-0.4

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

2015	Dec	-	-	-	-	-	-
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	0.1	-	-	-	-	-
	Feb	-	0.2	0.4	0.5	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.

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†							
2015 Dec	-	-	-	-	-	-	-
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	0.1	-	0.1	-0.8	-0.1	-	-0.3
Feb	0.2	-0.1	-0.7	-0.1	-	0.2	-0.1
Percentage change, latest 3 months on same 3 months a year ago							
2015 Dec	-	-	-	-	-	-	-
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	0.1	-	0.1	-0.3	-	-	-0.1
Feb	0.2	-0.1	-0.2	-0.6	-0.1	0.1	-0.2

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IOP5R

continued

Output of the Production Industries

Chained volume indices of gross value added¹

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

2015	Dec	-	-	-	-	-	-
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	-	0.1	0.1	-	0.1	-
	Feb	-0.1	0.2	0.4	0.5	0.3	-0.1

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Output of the Production Industries

Chained volume indices of gross value added¹

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	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 3 months on previous 3 months							
2015 Dec	-	-	-	-	-	-	-
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	0.1	-	-	-0.3	-	-	-0.1
Feb	0.2	-	-0.2	-0.6	-	0.1	-0.2

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