

Statistical bulletin

Index of Production, UK: July 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:
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Correction

10 September 2018 12:49

A correction has been made to the [Output of the production industries](#) dataset, which in turn has impacted on the associated PDF download of the appended IoP5 dataset. This was due to a small error where data for Quarter 3 (July to Sept) 2018 were published, although no data for this quarter exist. You can see the original content in the superseded version. We apologise for any inconvenience.

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1 . Main points

- The fall of 0.5% in total production output for the three months to July 2018, compared with the three months to April 2018, is due primarily to a fall of 4.5% in electricity and gas supply, resulting from less demand due to higher than average temperatures during May to July 2018.
- In the three months to July 2018, manufacturing fell by 0.1%, due primarily to a fall in machinery and equipment and metal products.
- In July 2018, total production output was estimated to have increased by 0.1% compared with June 2018, due primarily to a rise in mining and quarrying of 3.3%; within oil and gas extraction, there was a return to production, following planned maintenance during June 2018.
- The monthly decrease in manufacturing output of 0.2% was due mainly to a fall of 7.5% in basic pharmaceutical products; this was largely offset by widespread strength throughout the rest of the sector, with 8 of the 13 sub-sectors rising.
- In the three months to July 2018, total production output increased by 1.1% compared with the same three months to July 2017, due primarily to a rise in manufacturing of 1.3%, supported by a rise in water and sewerage of 4.8%.

2 . Things you need to know about this release

This July 2018 release contains no revisions to previously published data and is consistent with the [National Accounts Revisions Policy](#).

Further to this release, the [Quarterly national accounts](#) published on 28 September 2018 will include revised production data from January 2017 to June 2018. The data that will be published on 28 September 2018 will also include Value Added Tax (VAT) data for the first time in Quarter 1 (Jan to Mar) 2018.

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 13.8% of the [output approach to the measurement of GDP](#).

On 15 June 2017, we announced that [automatic pre-release access to official statistics would end from 1 July 2017](#) and would only be considered in exceptional circumstances, where denying such access would significantly impede the taking of action in the public interest. In accordance with this, [exceptional pre-release access for the Bank of England has been granted for data related to this release](#).

The current price non-seasonally adjusted estimates of industries collected by the Monthly Business Survey (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.

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.

3 . Production in detail

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 6.1% and 2.1% lower, respectively, in the three months to July 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 July 2018, UK

Economic downturn

Figure 1: Index of Production in UK

Seasonally adjusted, January 2008 to July 2018, UK



Source: Monthly Business Survey to 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 July 2018, UK

Economic downturn

Figure 2: Index of Manufacturing in UK

Seasonally adjusted, January 2008 to July 2018, UK



Source: Monthly Business Survey to Office for National Statistics

Notes:

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

Table 1: Growths and contributions to production, three months-on-previous three months, three months-on-previous three months a year ago, month-on-previous-month, July 2018, UK

Sector	Summary Description	3 months on previous 3 months		3 months on previous 3 months a year ago		Month on previous month	
		Growth (%)	Contribution to production (% points)	Growth (%)	Contribution to production (% points)	Growth (%)	Contribution to production (% points)
IoP	Index of Production	-0.5	-0.48	1.1	1.07	0.1	0.10
Sector B	Total Mining and Quarrying	-0.5	-0.04	-1.8	-0.14	3.3	0.24
5	Coal and Lignite	-4.2	0.00	-0.5	0.00	4.0	0.00
6	Crude petroleum and Natural gas	-2.2	-0.12	-2.1	-0.11	5.0	0.24
789	Other mining and quarrying	3.5	0.08	-1.1	-0.02	-0.4	-0.01
Sector C	Total Manufacturing	-0.1	-0.06	1.3	0.98	-0.2	-0.11
CA	Food, beverages and tobacco	1.6	0.17	2.2	0.25	0.7	0.08
CB	Textiles and leather products	1.5	0.04	0.0	0.00	-1.5	-0.05
CC	Wood, paper and printing	0.5	0.02	2.2	0.12	1.3	0.07
CD	Coke and petroleum	-1.6	-0.01	-8.2	-0.08	0.5	0.00
CE	Chemical products	-0.1	-0.01	-2.3	-0.11	1.4	0.07
CF	Pharmaceutical products	2.8	0.15	4.0	0.21	-7.5	-0.41
CG	Rubber and plastic products	1.6	0.09	1.5	0.09	-1.0	-0.06
CH	Metal products	-3.0	-0.25	-0.4	-0.04	2.0	0.17
CI	Computer, electronic and optical	2.0	0.08	12.0	0.41	0.2	0.01
CJ	Electrical equipment	-5.8	-0.13	-13.3	-0.32	3.2	0.06
CK	Machinery and equipment	-5.3	-0.27	4.9	0.23	-2.6	-0.13
CL	Transport equipment	0.7	0.08	1.8	0.19	1.0	0.11
CM	Other manufacturing and repair	-0.2	-0.01	0.5	0.04	-0.4	-0.03
Sector D	Total Electricity and Gas	-4.5	-0.56	-1.0	-0.12	0.2	0.03
35.1	Electric power generation, transmission and distribution	-2.0	-0.18	-0.2	-0.02	0.2	0.02
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	-10.5	-0.38	-3.1	-0.10	0.4	0.01
Sector E	Total Water	2.3	0.17	4.8	0.35	-0.7	-0.05
36	Water collection, treatment and supply	0.8	0.02	1.9	0.04	-0.1	0.00
37	Sewerage	1.5	0.03	10.3	0.22	-3.9	-0.09

38	Waste collection, treatment and disposal activities; materials recovery	4.1	0.12	2.9	0.09	1.4	0.04
39	Remediation activities and other waste management services	3.7	0.00	-3.1	0.00	-3.1	0.00

Source: Office for National Statistics

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

Total production output for the latest three months to July 2018, compared with the three months to April 2018, has decreased by 0.5% due primarily to:

- a fall of 4.5% in electricity and gas supply, driven by a fall of 10.5% within gas supply, with [warmer than average temperatures for May to July 2018](#) leading to less demand
- a fall of 5.3% within machinery and equipment not elsewhere classified, due to a stronger impact during the three months to April 2018 from infrastructure projects
- the continuation of recent longer-term weakness within basic metals and metal products, which fell by 3.0% and is the fifth consecutive fall since the three months to February 2018
- oil and gas extraction, which fell by 2.2%, due mainly to maintenance in May 2018 and June 2018

The overall three-monthly fall is partially offset by a 2.3% rise in water supply and sewerage, due mainly to an increase of 4.1% within waste collection. It should be noted that there is no responder-led evidence that the warmer than average temperatures during May 2018 to July 2018 has directly impacted on the growth in water supply, which rose by 0.8%.

Over the longer-term, the fall in manufacturing was the fifth consecutive three-monthly decrease within this sector since February 2018. This is despite recent signs of a slight recovery in manufacturing output, following two consecutive periods of monthly growth during May 2018 and June 2018.

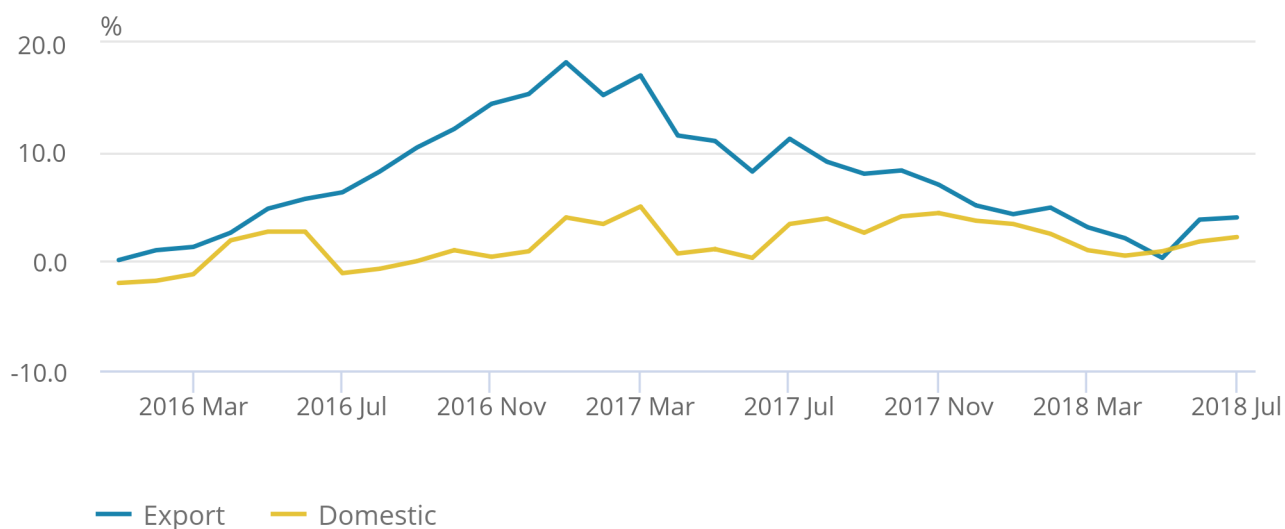
In previous bulletins we have alerted users to a marked slowdown in output in this sector over the latter part of 2017 and the beginning of 2018. This slowdown can be understood further when considering current price non-seasonally adjusted manufacturing growth, for export and domestic turnover for three months on three months a year ago (Figure 3).

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

Current Price, Non-Seasonally Adjusted, January 2016 to July 2018

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

Current Price, Non-Seasonally Adjusted, January 2016 to July 2018



Source: Monthly Business Survey - Office for National Statistics

Notes:

1. This dataset is not seasonally adjusted and is based on current prices and therefore does not reflect the impact of price changes.
2. This dataset does not completely correspond with our published indices of production.

Figure 3 shows that growth in export turnover peaked in January 2017 at 18.2% but has since declined to 0.3% in May 2018. In contrast, domestic turnover growth peaked in March 2017 at 5.0% but since then has consistently remained below that peak. Notably, for the three months to May 2018 compared with the same three months to May 2017, export growth fell behind domestic growth. However, both export and domestic growth increased over recent periods.

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

Monthly total production output has risen by 0.1% in July 2018 and is the second consecutive increase following growth of 0.4% last month. The increase this month is due primarily to:

- a rise of 3.3% in mining and quarrying, driven by a 5.0% increase in oil and gas extraction, following a return to production following planned maintenance during June 2018
- an increase of 2.0% in basic metals and metal products, driven by fabricated metal products other than weapons
- the motor vehicles, trailers and semi-trailers sub-industry increasing by 2.5%; manufacture of engines increased during July 2018
- the impact of infrastructure projects during July 2018 within the rest of the repair and installation sub-industry, which rose by 5.2%

It should also be noted that supporting strength from food products, beverages and tobacco, which rose by 0.7%, is due mainly to increases of 7.7% within soft drinks, mineral waters and bottled water and 1.9% within alcoholic beverages. Responder-led evidence indicated that there was increased demand for products across these sub-industries due to the warmer than average temperature during July 2018.

The Met Office reported that the [provisional UK mean temperature for July 2018 was 17.3 degrees Celsius](#), which is 2.2 degrees Celsius above the 1981 to 2010 long-term average, making it provisionally the joint-second warmest July (alongside 1983, but below 2006) in a series from 1910. It is possible that the World Cup had a positive impact on alcohol production and consumption. However, we received no responder-led evidence to indicate that this was an underlying factor behind the overall strength.

In contrast, the overall fall in manufacturing of 0.2% is driven by a decrease of 7.5% within basic pharmaceutical products but follows an increase last month of 4.5%, indicating the volatile nature of this sub-sector. The fall in pharmaceuticals masks underlying strength across the rest of manufacturing, with 8 of the 13 sub-sectors increasing on the month.

6 . What is contributing to the three months on same three months a year ago increase?

Total production output for the three months to July 2018 has increased by 1.1%, compared with the same three months to July 2017, with two of the four main sectors rising. Overall strength is due primarily to:

- an increase of 1.3% in total manufacturing output, driven by a 12.0% rise within computer, electronic and optical equipment; supported by widespread strength throughout the sector with 8 of the 13 sub-sectors increasing
- increases for total manufacturing domestic and export turnover of 2.2% and 4.0% respectively; these increases were published today within our [Monthly Business Survey turnover in production industries dataset](#) (please note that these are current price, non-seasonally adjusted data)
- a rise of 4.8% within water and sewerage

Partially offsetting overall growth are falls for mining and quarrying of 1.8% and electricity and gas supply of 1.0%. Within electricity and gas supply, the fall of 3.1% within the gas distribution and supply sub-industry is due primarily to reduced demand, due to higher temperatures for May to July 2018, as indicated earlier in this bulletin.

7 . Links to related statistics

Alongside this publication we publish the [Index of Services \(IoS\)](#) and [Construction output in Great Britain](#), allowing for an estimate of [monthly gross domestic product \(GDP\)](#), which is also published today (10 September 2018).

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. It should be noted that an accurate comparison cannot be made between our publication and the Eurostat publication without re-indexing the data to the same base year, as Eurostat data are calculated on a 2015 equals 100 basis, while UK data are calculated on a 2016 equals 100 basis.

8 . Quality and methodology

The Index of Production (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 data from the Monthly Business Survey (MBS).

In addition, from the [Index of Production, UK: November 2017](#) bulletin published in January 2018, Value Added Tax (VAT) data have been included across 64 production industries for small and medium-sized businesses. For further information as to the use of [VAT turnover within the national accounts, please see VAT turnover data in National Accounts: background and methodology](#) (published on 19 March 2018).

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 [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 many 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](#).

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 BEIS for fuel industries and from 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 \(XLS, 715KB\)](#).

Revisions to the Index of Production can be made for a variety of reasons. The most common include:

- late responses to surveys and administrative sources
- forecasts being replaced by actual data
- revisions to seasonal adjustment factors, which are re-estimated every month and reviewed annually
- Her Majesty's Revenue and Customs (HMRC) VAT returns replacing MBS data for small and medium-sized businesses when VAT estimates become available every quarter

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 2016 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

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

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IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2016 = 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	75.4	726.2	126.0	72.4	52.6	49.3	204.4	240.5	267.9	219.9	
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T	
2013	96.4	91.8	96.8	103.1	90.9	86.7	93.1	98.9	95.5	97.7	96.8	
2014	97.9	92.3	99.6	96.9	91.5	85.8	99.0	99.4	98.4	102.6	93.4	
2015	99.0	99.7	99.6	97.9	94.7	95.8	98.9	99.9	97.4	102.4	97.9	
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
2017	101.8	100.3	102.5	98.3	102.7	98.9	102.9	98.7	106.4	102.3	98.8	
2017 Q2	101.1	100.6	101.7	97.4	102.7	98.8	101.9	98.9	104.5	101.7	98.5	
Q3	102.2	102.7	102.7	99.6	101.8	102.0	103.2	98.2	107.5	102.4	100.1	
Q4	103.0	97.8	104.1	99.5	103.0	95.2	104.9	99.3	109.1	103.7	98.4	
2018 Q1	103.4	100.2	104.0	100.9	104.7	99.8	109.7	99.1	110.4	102.4	100.3	
Q2	102.5	100.8	103.1	98.1	106.8	99.9	112.0	100.6	108.3	100.6	98.9	
2017 May	101.1	99.6	101.6	98.2	102.8	97.4	102.0	98.4	104.7	101.7	98.7	
Jun	101.6	103.5	102.1	97.2	103.0	102.9	104.5	99.8	104.8	101.8	99.5	
Jul	101.9	102.9	102.3	98.7	102.5	101.7	100.4	98.3	106.9	102.2	99.4	
Aug	102.0	101.8	102.4	99.4	102.0	100.9	103.5	98.6	106.9	101.8	99.7	
Sep	102.8	103.4	103.3	100.5	100.8	103.3	105.5	97.7	108.8	103.1	101.2	
Oct	103.1	105.4	104.0	97.3	102.6	106.3	103.8	98.8	109.3	103.4	100.0	
Nov	103.4	103.8	104.1	99.7	102.7	103.5	104.7	99.9	108.4	104.0	100.3	
Dec	102.4	84.1	104.3	101.5	103.6	76.0	106.1	99.3	109.6	103.8	94.8	
2018 Jan	103.3	102.6	104.3	98.1	103.4	102.7	108.3	98.7	110.3	103.6	99.1	
Feb	103.6	100.6	104.1	101.5	105.0	100.2	109.5	99.9	110.3	102.2	100.7	
Mar	103.3	97.2	103.7	103.0	105.7	96.7	111.4	98.7	110.7	101.4	101.2	
Apr	102.6	104.2	102.5	100.4	105.0	105.5	110.9	99.1	108.0	100.3	101.8	
May	102.3	99.4	103.2	96.8	106.8	97.5	111.9	100.7	108.5	100.8	97.4	
Jun	102.8	98.9	103.6	97.1	108.5	96.6	113.3	102.1	108.5	100.7	97.5	
Jul	102.9	102.1	103.4	97.3	107.8	101.4	113.9	100.5	108.4	101.4	98.8	
Percentage change, latest year on previous year												
2013	-0.7	-2.8	-1.0	-0.1	4.2	-8.2	-1.3	-0.9	1.0	-0.7	-3.5	
2014	1.5	0.6	2.9	-6.0	0.7	-1.1	6.3	0.5	3.0	5.0	-3.5	
2015	1.2	8.0	-	1.0	3.4	11.7	-0.1	0.5	-1.0	-0.2	4.8	
2016	1.0	0.3	0.4	2.1	5.6	4.3	1.2	0.1	2.6	-2.3	2.2	
2017	1.8	0.3	2.5	-1.7	2.7	-1.1	2.9	-1.3	6.4	2.3	-1.2	
Percentage change, latest month on same month a year ago												
2016 May	0.7	-6.4	0.7	3.8	7.4	-4.7	2.7	0.3	3.0	-2.2	-0.1	
Jun	0.4	0.6	-0.2	2.8	3.9	4.6	-3.9	0.7	2.9	-4.8	2.6	
Jul	1.4	9.1	0.4	1.5	3.4	16.8	1.3	-2.1	5.3	-3.1	5.4	
Aug	0.8	0.3	0.6	0.8	5.6	3.5	3.3	-0.4	3.2	-2.0	0.3	
Sep	0.4	0.7	0.2	-2.1	6.3	3.4	2.6	-1.0	2.5	-1.7	-0.4	
Oct	-0.7	-7.6	-0.4	-1.7	5.4	-7.0	6.1	-4.1	2.6	-1.3	-3.2	
Nov	2.5	-1.0	1.6	8.5	6.6	0.8	1.8	0.8	3.2	0.8	4.6	
Dec	4.5	0.2	4.4	8.6	4.1	2.3	4.7	2.8	5.9	4.5	4.9	
2017 Jan	3.0	4.4	2.3	5.6	5.1	6.0	4.6	-0.1	6.0	0.6	4.9	
Feb	2.3	1.1	2.6	-0.9	6.2	-	5.3	-3.7	9.2	1.6	-0.3	
Mar	1.5	2.2	2.6	-7.9	6.0	1.1	0.7	-1.0	5.6	2.6	-3.8	
Apr	-0.6	-0.5	0.4	-8.2	3.0	-3.3	-2.1	-4.7	3.6	1.5	-4.8	
May	0.8	0.3	1.5	-3.2	1.2	-1.7	1.5	-2.6	4.9	1.9	-1.9	
Jun	1.7	1.8	2.5	-3.5	2.5	0.8	7.5	0.7	3.6	3.2	-1.3	
Jul	1.8	-5.4	3.2	-0.8	1.6	-9.1	-0.3	0.5	7.0	3.1	-3.7	
Aug	1.9	-3.1	2.8	0.4	1.4	-5.3	3.3	0.1	6.2	2.2	-1.5	
Sep	2.7	1.7	2.9	3.6	0.5	1.4	5.4	-1.8	7.3	3.0	2.1	
Oct	4.4	13.0	4.9	-2.1	1.9	17.1	1.8	1.5	9.7	3.7	2.9	
Nov	2.4	4.5	3.4	-4.3	1.3	4.8	4.0	-0.4	8.2	2.9	-2.1	
Dec	0.1	-14.4	1.0	2.5	2.2	-22.4	2.7	-3.8	5.4	0.8	-4.3	
2018 Jan	1.5	2.5	2.4	-3.2	0.6	2.9	5.6	-0.8	5.7	2.1	-1.9	
Feb	2.6	1.0	2.6	4.3	1.4	1.7	6.0	2.7	4.9	1.1	2.4	
Mar	3.1	-3.8	2.5	11.9	1.8	-3.8	12.9	0.4	6.5	0.4	5.9	
Apr	1.9	5.6	1.1	3.8	2.6	9.8	11.8	0.6	3.9	-1.4	4.7	
May	1.2	-0.2	1.5	-1.4	3.9	0.1	9.7	2.3	3.6	-0.9	-1.3	
Jun	1.1	-4.4	1.5	-0.1	5.3	-6.1	8.4	2.2	3.6	-1.1	-2.0	
Jul	0.9	-0.7	1.1	-1.4	5.1	-0.2	13.5	2.3	1.4	-0.7	-0.6	

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 2016 = 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	75.4	726.2	126.0	72.4	52.6	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	May	-0.9	0.1	-0.9	-3.7	2.3	-0.3	-0.9	-2.2	-0.5	-0.4	-1.4
	Jun	-0.4	2.4	-0.6	-0.7	-1.1	3.1	-3.3	-1.9	1.3	-1.2	0.2
	Jul	0.2	7.0	-0.5	-1.2	0.4	9.4	3.6	-1.3	-1.2	0.6	2.3
	Aug	-	-3.4	0.5	-0.5	-0.3	-4.7	-0.5	0.7	0.8	0.5	-1.9
	Sep	-	-3.2	0.8	-2.1	-0.2	-4.4	-0.1	1.0	0.8	0.4	-2.1
	Oct	-1.3	-8.3	-1.3	2.4	0.4	-10.9	1.9	-2.1	-1.8	-0.3	-1.9
	Nov	2.3	6.5	1.5	4.9	0.7	8.8	-1.3	3.0	0.6	1.3	5.4
	Dec	1.2	-1.0	2.6	-5.0	-0.1	-0.7	2.7	2.8	3.8	1.8	-3.3
2017	Jan	-0.5	1.9	-1.4	2.4	1.4	1.8	-0.7	-3.6	0.3	-1.4	1.9
	Feb	-0.8	-0.5	-0.4	-4.0	0.7	-1.3	0.7	-2.2	0.8	-0.4	-2.7
	Mar	-0.7	1.5	-0.3	-5.5	0.3	2.0	-4.5	1.0	-1.2	-0.1	-2.8
	Apr	0.5	-2.4	0.2	5.1	-1.5	-4.4	0.6	0.2	-	0.7	1.8
	May	0.4	0.9	0.2	1.5	0.5	1.4	2.8	-0.1	0.8	-	1.6
	Jun	0.5	3.9	0.4	-1.0	0.2	5.7	2.5	1.4	0.1	0.1	0.8
	Jul	0.3	-0.6	0.3	1.6	-0.5	-1.2	-3.9	-1.6	2.0	0.4	-0.1
	Aug	-	-1.1	0.1	0.7	-0.6	-0.7	3.1	0.3	-	-0.3	0.3
	Sep	0.8	1.6	0.9	1.1	-1.1	2.3	1.9	-0.9	1.8	1.2	1.5
	Oct	0.3	1.9	0.6	-3.2	1.8	2.9	-1.6	1.2	0.5	0.4	-1.2
	Nov	0.3	-1.5	0.1	2.5	0.1	-2.6	0.8	1.0	-0.8	0.6	0.4
	Dec	-1.0	-19.0	0.2	1.8	0.9	-26.5	1.4	-0.6	1.1	-0.2	-5.5
2018	Jan	0.9	22.0	-	-3.3	-0.2	35.1	2.1	-0.6	0.6	-0.2	4.5
	Feb	0.3	-1.9	-0.2	3.5	1.5	-2.4	1.1	1.3	-	-1.4	1.6
	Mar	-0.3	-3.4	-0.3	1.4	0.7	-3.5	1.7	-1.2	0.3	-0.8	0.5
	Apr	-0.7	7.2	-1.2	-2.5	-0.7	9.1	0.4	0.5	-2.4	-1.1	0.6
	May	-0.2	-4.6	0.6	-3.6	1.6	-7.6	0.9	1.5	0.5	0.4	-4.3
	Jun	0.4	-0.5	0.4	0.3	1.6	-0.9	1.3	1.4	-	-0.1	0.1
	Jul	0.1	3.3	-0.2	0.2	-0.7	5.0	0.5	-1.5	-0.1	0.7	1.4
Percentage change, latest 3 months on same 3 months a year ago²												
2016	May	0.7	-1.9	-0.1	4.3	6.0	2.4	0.9	1.1	1.9	-3.9	2.6
	Jun	1.0	-2.5	0.5	5.0	5.4	0.6	0.3	1.9	2.7	-3.6	2.3
	Jul	0.8	1.0	0.3	2.7	4.9	5.3	-	-0.4	3.7	-3.4	2.6
	Aug	0.9	3.3	0.2	1.7	4.3	8.2	0.2	-0.6	3.8	-3.3	2.7
	Sep	0.9	3.3	0.4	0.1	5.1	7.8	2.4	-1.1	3.6	-2.3	1.7
	Oct	0.1	-2.2	0.1	-1.0	5.8	0.1	4.0	-1.8	2.8	-1.7	-1.1
	Nov	0.7	-2.6	0.5	1.5	6.1	-0.9	3.5	-1.4	2.7	-0.8	0.3
	Dec	2.1	-2.8	1.9	5.0	5.3	-1.3	4.2	-0.2	3.9	1.3	2.0
2017	Jan	3.4	1.2	2.8	7.6	5.3	3.0	3.7	1.2	5.0	2.0	4.8
	Feb	3.3	1.9	3.1	4.3	5.1	2.7	4.8	-0.3	7.0	2.2	3.1
	Mar	2.3	2.5	2.5	-1.2	5.8	2.3	3.5	-1.6	6.9	1.6	0.2
	Apr	1.1	0.9	1.8	-5.7	5.1	-0.7	1.3	-3.1	6.1	1.9	-3.0
	May	0.6	0.7	1.5	-6.4	3.4	-1.3	-	-2.8	4.7	2.0	-3.5
	Jun	0.6	0.5	1.5	-5.0	2.2	-1.4	2.2	-2.2	4.0	2.2	-2.7
	Jul	1.4	-1.2	2.4	-2.5	1.8	-3.5	2.9	-0.5	5.2	2.7	-2.3
	Aug	1.8	-2.3	2.9	-1.3	1.8	-4.7	3.5	0.4	5.6	2.8	-2.2
	Sep	2.1	-2.3	3.0	1.1	1.2	-4.5	2.8	-0.4	6.8	2.8	-1.0
	Oct	3.0	3.6	3.5	0.6	1.3	3.8	3.5	-0.1	7.7	3.0	1.2
	Nov	3.1	6.3	3.7	-1.0	1.2	7.5	3.8	-0.3	8.4	3.2	0.9
	Dec	2.3	0.9	3.1	-1.4	1.8	-0.6	2.9	-0.9	7.7	2.4	-1.2
2018	Jan	1.3	-2.4	2.2	-1.8	1.4	-4.8	4.1	-1.7	6.4	1.9	-2.8
	Feb	1.4	-3.6	2.0	1.1	1.4	-5.8	4.8	-0.7	5.3	1.3	-1.3
	Mar	2.4	-0.1	2.5	4.1	1.3	0.3	8.1	0.7	5.7	1.2	2.1
	Apr	2.5	0.9	2.1	6.6	1.9	2.5	10.2	1.2	5.1	-	4.4
	May	2.0	0.5	1.7	4.6	2.8	1.9	11.5	1.1	4.7	-0.6	3.1
	Jun	1.4	0.3	1.3	0.8	3.9	1.1	10.0	1.7	3.7	-1.1	0.4
	Jul	1.1	-1.8	1.3	-1.0	4.8	-2.1	10.5	2.3	2.9	-0.9	-1.3

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

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2016 = 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	75.4	726.2	126.0	72.4	52.6	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	May	1.7	1.6	0.8	7.5	2.1	3.3	1.6	0.9	1.9	-0.1	4.4
	Jun	1.8	2.2	1.2	4.6	2.8	3.0	1.6	1.2	2.8	-0.1	3.2
	Jul	0.6	4.3	0.1	-0.6	2.8	5.3	0.3	-1.8	2.0	-0.2	1.5
	Aug	-0.1	6.0	-0.5	-2.4	1.0	7.6	-0.5	-2.7	1.1	-0.4	1.0
	Sep	-0.4	5.1	-0.5	-3.9	0.1	6.5	0.7	-2.5	0.2	0.1	-
	Oct	-0.5	-3.2	0.1	-2.1	-0.5	-4.4	1.3	-0.9	0.3	0.7	-2.4
	Nov	-0.1	-6.7	0.6	0.4	0.2	-9.1	1.5	0.6	-0.1	1.2	-2.1
	Dec	0.6	-7.8	1.3	2.4	0.6	-10.3	1.6	1.7	0.6	1.7	-1.5
2017	Jan	2.0	-0.7	2.2	3.1	1.3	-0.9	1.4	2.6	2.3	2.0	1.7
	Feb	1.7	1.3	2.2	-0.9	1.7	1.7	2.2	0.9	4.1	1.5	-0.1
	Mar	0.3	3.5	0.5	-3.9	2.2	4.0	-0.4	-1.9	3.1	-0.1	-1.4
	Apr	-1.0	0.6	-0.6	-6.0	1.3	-0.4	-1.7	-2.9	1.4	-0.6	-3.9
	May	-0.9	0.4	-0.8	-3.6	0.4	-0.7	-3.0	-1.6	-0.3	-0.4	-2.4
	Jun	0.2	0.3	0.2	0.5	-0.7	-0.8	0.4	0.6	-	0.5	0.2
	Jul	0.9	2.1	0.7	2.8	-0.4	2.4	1.9	0.8	1.1	0.6	2.3
	Aug	1.2	2.9	0.8	2.9	-0.5	3.9	2.9	0.5	1.9	0.5	2.5
	Sep	1.1	2.1	1.0	2.2	-0.9	3.2	1.2	-0.8	2.9	0.6	1.7
	Oct	1.0	1.5	1.2	1.1	-1.0	2.8	2.0	-0.5	2.7	0.9	1.1
	Nov	1.2	1.5	1.5	0.7	-0.4	2.4	1.8	-0.1	2.5	1.6	1.0
	Dec	0.7	-4.8	1.4	-0.1	1.2	-6.6	1.6	1.2	1.5	1.4	-1.7
2018	Jan	0.4	-6.4	1.0	0.7	1.4	-9.1	2.0	0.9	1.0	1.0	-2.2
	Feb	-	-8.1	0.4	1.2	1.9	-10.9	3.2	0.5	1.1	-0.3	-2.3
	Mar	0.4	2.5	-0.1	1.4	1.7	4.8	4.6	-0.2	1.2	-1.3	2.0
	Apr	0.1	4.0	-0.7	1.9	1.9	7.2	4.0	-	0.2	-2.4	3.2
	May	-0.4	4.7	-1.1	-0.3	1.7	7.5	3.2	0.2	-0.9	-2.3	2.0
	Jun	-0.8	0.7	-0.9	-2.7	1.9	-	2.1	1.6	-1.9	-1.6	-1.4
	Jul	-0.5	-0.5	-0.1	-4.5	2.3	-2.2	2.2	1.8	-1.1	-0.3	-3.3

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 added¹

Seasonally adjusted 2016 = 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	111.5	29.8	53.6	9.9	48.6	55.1
	K22B	K22P	K22T	K22X	K22Z	K239
2013	95.4	106.4	99.9	108.6	97.7	101.9
2014	99.4	103.6	101.0	98.9	100.4	97.0
2015	99.3	102.7	101.7	101.4	105.9	97.8
2016	100.0	100.0	100.0	100.0	100.0	100.0
2017	101.1	102.3	102.0	101.3	101.9	94.5
2017 Q2	100.9	101.5	101.8	103.9	102.8	95.5
Q3	100.9	102.9	101.6	98.8	102.8	93.0
Q4	101.5	103.2	103.0	99.6	100.6	96.8
2018 Q1	101.1	103.0	103.7	93.3	100.5	95.8
Q2	102.2	104.3	103.1	94.0	99.4	98.8
2017 May	100.4	102.4	102.0	103.8	101.8	94.3
Jun	100.2	103.0	101.5	104.3	103.1	99.1
Jul	101.5	107.0	100.9	94.6	102.0	91.0
Aug	101.3	102.4	101.5	98.5	102.7	93.9
Sep	100.0	99.3	102.3	103.3	103.6	94.0
Oct	101.4	101.1	102.3	102.3	100.2	96.8
Nov	102.0	103.5	103.5	98.3	101.5	97.7
Dec	101.0	105.0	103.2	98.1	100.3	96.0
2018 Jan	100.9	104.1	104.0	94.2	100.2	95.3
Feb	101.2	102.1	103.5	91.5	101.3	98.2
Mar	101.4	102.9	103.6	94.2	100.1	93.9
Apr	101.6	102.9	102.6	96.8	98.9	95.6
May	102.2	106.2	103.7	92.7	100.1	98.2
Jun	102.9	103.9	103.0	92.4	99.2	102.6
Jul	103.7	102.3	104.4	92.8	100.6	95.0
Percentage change, latest year on previous year						
2013	-1.7	-4.4	2.3	-1.9	-1.1	-2.7
2014	4.2	-2.6	1.1	-8.9	2.8	-4.8
2015	-0.1	-0.9	0.8	2.5	5.4	0.9
2016	0.7	-2.6	-1.7	-1.4	-5.5	2.2
2017	1.1	2.3	2.0	1.3	1.9	-5.5
Percentage change, latest month on same month a year ago						
2016 May	2.9	-10.6	-0.6	8.4	-4.1	-1.2
Jun	2.0	-7.3	-0.6	12.4	-6.8	1.3
Jul	1.1	-5.8	-1.4	-4.5	-5.4	-6.5
Aug	0.3	2.5	-0.8	-7.0	-6.0	-2.1
Sep	0.6	-2.5	-1.6	-4.5	-2.9	-0.5
Oct	-0.7	-5.8	-1.5	-6.3	-4.5	-7.1
Nov	-0.4	-4.1	-1.8	-4.4	-6.1	10.0
Dec	0.9	-2.8	1.8	-4.0	-1.6	15.9
2017 Jan	0.9	-8.2	2.4	-2.0	0.7	3.6
Feb	0.3	1.0	2.3	1.7	-0.9	-10.4
Mar	3.6	5.0	4.0	14.0	3.4	-10.2
Apr	2.1	-5.0	1.8	15.5	4.1	-15.5
May	-0.8	4.8	1.4	2.7	2.6	-6.0
Jun	-0.1	5.6	1.6	2.6	6.1	2.2
Jul	1.8	8.7	1.4	-5.4	2.0	-2.0
Aug	1.5	3.3	1.3	1.4	3.4	-1.3
Sep	-0.8	-0.5	2.3	1.7	1.8	-4.2
Oct	2.1	2.3	2.6	-1.2	-0.3	3.2
Nov	2.5	5.5	2.4	-8.2	1.6	-6.5
Dec	0.2	6.4	1.0	-3.9	-1.4	-15.1
2018 Jan	0.2	4.5	1.4	-7.9	-2.7	-1.6
Feb	-	0.5	3.1	-10.9	1.8	9.6
Mar	-0.1	-0.5	1.2	-9.2	-1.5	3.0
Apr	-0.6	3.9	0.8	-6.6	-4.5	2.8
May	1.8	3.7	1.6	-10.7	-1.6	4.2
Jun	2.8	0.9	1.5	-11.4	-3.8	3.5
Jul	2.2	-4.4	3.4	-1.8	-1.4	4.4

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IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2016 = 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	59.7	84.4	33.6	23.5	44.9	107.6	64.0
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2013	89.8	100.5	98.5	107.4	110.9	87.7	90.5
2014	101.6	102.0	102.3	104.0	115.6	90.7	95.6
2015	98.7	102.3	100.2	104.3	100.7	96.0	94.8
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	100.1	101.8	104.2	104.2	109.3	104.1	107.2
2017 Q2	99.7	100.3	103.1	104.3	105.2	102.6	105.4
Q3	100.0	101.3	105.1	105.2	109.4	105.3	108.5
Q4	100.9	106.4	107.5	104.8	114.9	105.3	108.1
2018 Q1	100.7	104.5	113.0	99.3	119.1	105.8	107.4
Q2	99.9	99.6	115.7	92.9	113.8	104.1	107.2
2017 May	100.6	99.5	102.9	102.3	107.8	103.5	104.4
Jun	98.5	102.5	107.8	106.1	102.5	100.0	108.1
Jul	99.4	99.6	101.2	107.5	107.6	106.9	107.5
Aug	99.7	101.7	105.2	101.9	108.5	104.4	107.5
Sep	100.7	102.5	108.8	106.3	112.1	104.7	110.6
Oct	100.5	105.4	106.3	105.8	113.3	107.7	107.1
Nov	102.3	105.1	107.5	104.4	115.3	103.4	108.5
Dec	99.8	108.7	108.7	104.3	116.2	104.9	108.7
2018 Jan	101.7	104.1	111.2	102.6	121.2	106.4	107.2
Feb	100.4	105.5	112.9	99.1	116.3	106.8	105.7
Mar	100.0	103.8	114.9	96.2	119.9	104.3	109.4
Apr	98.0	100.3	114.6	95.4	116.0	102.5	107.3
May	99.4	98.6	115.8	95.7	114.3	104.5	106.6
Jun	102.4	99.9	116.7	87.7	111.1	105.1	107.8
Jul	101.3	101.9	116.9	90.5	108.2	106.1	107.3
Percentage change, latest year on previous year							
2013	-2.8	-2.9	-2.1	-4.7	-11.8	7.6	4.7
2014	13.1	1.5	3.9	-3.2	4.2	3.4	5.6
2015	-2.8	0.3	-2.1	0.3	-12.8	5.8	-0.8
2016	1.3	-2.3	-0.2	-4.1	-0.7	4.2	5.5
2017	0.1	1.8	4.2	4.2	9.3	4.1	7.2
Percentage change, latest month on same month a year ago							
2016 May	1.7	-0.5	1.2	-7.7	-1.3	6.1	3.3
Jun	-0.4	-6.4	-6.3	-5.5	-3.0	5.1	8.2
Jul	-0.6	0.1	-0.7	-6.2	0.4	6.0	9.3
Aug	1.9	-1.1	-1.0	-7.2	1.6	3.3	9.4
Sep	2.5	-4.4	-0.8	-6.6	0.4	3.2	7.7
Oct	2.5	-4.3	3.4	-3.4	1.7	0.6	12.3
Nov	4.0	-0.3	2.8	3.0	6.0	3.3	4.0
Dec	2.6	7.0	7.2	2.1	6.7	4.2	9.0
2017 Jan	0.5	-3.0	4.2	1.5	7.7	6.2	8.2
Feb	-0.9	-2.3	5.7	3.2	15.5	8.9	10.7
Mar	1.3	-0.6	0.6	0.9	6.4	3.9	9.9
Apr	-2.2	-0.5	-2.5	4.3	3.9	2.4	5.6
May	0.6	-0.2	2.4	4.8	9.5	1.3	5.8
Jun	-0.8	3.6	10.6	7.2	5.2	-1.6	5.4
Jul	0.9	-0.4	1.2	11.0	8.5	7.4	6.7
Aug	0.8	1.5	5.5	5.4	7.1	2.7	7.9
Sep	0.3	3.4	10.0	7.6	11.0	4.1	7.5
Oct	-	9.9	4.4	4.9	14.3	8.4	5.4
Nov	1.1	7.1	6.9	-0.5	12.5	2.9	8.6
Dec	-0.5	3.4	1.9	1.2	10.1	3.3	4.7
2018 Jan	1.3	4.7	7.8	-0.1	15.2	2.5	1.4
Feb	1.4	6.6	9.7	-5.6	4.6	3.3	-1.5
Mar	-0.1	4.7	17.8	-4.0	12.7	1.9	2.3
Apr	-1.9	1.6	16.3	-8.7	10.0	-1.8	3.4
May	-1.2	-0.9	12.5	-6.5	6.0	1.0	2.1
Jun	3.9	-2.6	8.2	-17.3	8.4	5.2	-0.3
Jul	1.9	2.3	15.5	-15.8	0.5	-0.7	-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.

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2016 = 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	111.5	29.8	53.6	9.9	48.6	55.1	
	K22B	K22P	K22T	K22X	K22Z	K239	
Percentage change, latest month on previous month							
2016	May	1.3	-6.2	0.7	12.6	-0.3	-8.8
	Jun	-1.0	-0.2	-0.8	0.6	-2.1	-3.3
	Jul	-0.5	0.9	-0.4	-1.6	3.0	-4.3
	Aug	-	0.7	0.8	-2.9	-0.8	2.5
	Sep	1.1	0.7	-0.2	4.6	2.4	3.2
	Oct	-1.6	-1.0	-0.4	2.0	-1.2	-4.4
	Nov	0.2	-0.8	1.4	3.4	-0.6	11.4
	Dec	1.3	0.7	1.2	-4.6	1.8	8.2
2017	Jan	-0.1	0.9	0.4	0.2	1.4	-14.3
	Feb	0.5	2.0	-2.2	0.4	-3.4	-7.5
	Mar	0.3	1.8	2.0	0.9	2.1	1.7
	Apr	0.7	-4.2	-0.6	-0.1	1.9	1.9
	May	-1.6	3.4	0.3	0.2	-1.7	1.4
	Jun	-0.3	0.6	-0.5	0.5	1.3	5.2
	Jul	1.3	4.0	-0.6	-9.3	-1.0	-8.3
	Aug	-0.2	-4.4	0.6	4.1	0.7	3.3
	Sep	-1.2	-3.0	0.8	4.9	0.9	0.1
	Oct	1.3	1.8	-	-0.9	-3.3	2.9
	Nov	0.6	2.3	1.2	-3.9	1.3	0.9
	Dec	-1.0	1.5	-0.2	-0.2	-1.2	-1.7
2018	Jan	-0.1	-0.9	0.8	-3.9	-	-0.7
	Feb	0.3	-1.9	-0.5	-2.9	1.1	3.0
	Mar	0.2	0.8	0.1	2.9	-1.2	-4.4
	Apr	0.2	-	-0.9	2.8	-1.1	1.8
	May	0.7	3.2	1.1	-4.2	1.2	2.8
	Jun	0.7	-2.2	-0.7	-0.3	-1.0	4.5
	Jul	0.7	-1.5	1.3	0.5	1.4	-7.5
Percentage change, latest 3 months on same 3 months a year ago							
2016	May	1.1	-5.0	-2.4	0.9	-7.2	5.4
	Jun	2.3	-5.7	-1.3	6.1	-6.4	5.2
	Jul	2.0	-7.9	-0.9	5.0	-5.4	-2.1
	Aug	1.1	-3.7	-0.9	-0.3	-6.1	-2.5
	Sep	0.7	-2.0	-1.3	-5.3	-4.8	-3.1
	Oct	0.1	-2.1	-1.3	-5.9	-4.5	-3.3
	Nov	-0.2	-4.1	-1.6	-5.0	-4.5	0.6
	Dec	-0.1	-4.3	-0.5	-4.9	-4.1	6.1
2017	Jan	0.4	-5.1	0.8	-3.5	-2.4	9.9
	Feb	0.7	-3.4	2.2	-1.5	-0.6	2.9
	Mar	1.6	-1.0	2.9	4.2	1.0	-5.9
	Apr	2.0	0.2	2.7	10.1	2.2	-12.1
	May	1.6	1.5	2.4	10.4	3.3	-10.7
	Jun	0.4	1.6	1.6	6.6	4.3	-6.8
	Jul	0.3	6.4	1.5	-	3.5	-2.0
	Aug	1.1	5.9	1.4	-0.4	3.8	-0.4
	Sep	0.8	3.8	1.7	-0.8	2.4	-2.5
	Oct	0.9	1.7	2.1	0.6	1.6	-0.8
	Nov	1.3	2.4	2.4	-2.6	1.0	-2.7
	Dec	1.6	4.7	2.0	-4.5	-	-6.7
2018	Jan	1.0	5.5	1.6	-6.7	-0.9	-8.1
	Feb	0.1	3.8	1.8	-7.6	-0.8	-3.3
	Mar	-	1.5	1.9	-9.4	-0.9	3.5
	Apr	-0.2	1.3	1.7	-8.9	-1.4	5.1
	May	0.4	2.4	1.2	-8.8	-2.5	3.3
	Jun	1.3	2.8	1.3	-9.6	-3.3	3.5
	Jul	2.2	-	2.2	-8.2	-2.3	4.0

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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 2016 = 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	59.7	84.4	33.6	23.5	44.9	107.6	64.0	
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z	
Percentage change, latest month on previous month†								
2016	May	-2.1	0.5	-0.5	-2.6	-3.0	0.2	0.5
	Jun	-0.7	-0.8	-3.1	1.4	-1.0	-0.6	3.9
	Jul	-0.7	1.1	2.7	-2.1	1.9	-2.0	-1.7
	Aug	0.4	0.1	-0.4	-0.2	2.1	2.3	-1.2
	Sep	1.4	-1.1	-0.8	2.2	-0.3	-1.2	3.3
	Oct	0.2	-3.2	2.9	2.0	-1.9	-1.2	-1.2
	Nov	0.6	2.3	-1.2	4.1	3.4	1.2	-1.7
	Dec	-0.9	7.1	6.1	-1.7	3.0	1.0	3.9
2017	Jan	0.1	-5.3	-3.4	-0.4	-0.4	2.3	1.9
	Feb	-1.4	-0.5	-0.2	2.2	5.7	-0.4	1.5
	Mar	1.1	0.2	-5.3	-4.6	-4.3	-1.1	-0.3
	Apr	-0.1	-0.4	1.1	4.3	-1.0	2.2	-3.0
	May	0.7	0.8	4.5	-2.1	2.2	-0.9	0.6
	Jun	-2.1	3.0	4.8	3.8	-4.9	-3.4	3.6
	Jul	1.0	-2.8	-6.1	1.3	5.0	6.9	-0.6
	Aug	0.3	2.1	3.9	-5.3	0.8	-2.3	-
	Sep	1.0	0.8	3.5	4.3	3.3	0.2	2.9
	Oct	-0.2	2.9	-2.3	-0.5	1.0	2.9	-3.2
	Nov	1.7	-0.3	1.1	-1.2	1.7	-3.9	1.4
	Dec	-2.4	3.4	1.2	-0.1	0.9	1.4	0.1
2018	Jan	1.9	-4.2	2.3	-1.6	4.3	1.4	-1.3
	Feb	-1.3	1.3	1.6	-3.5	-4.0	0.4	-1.4
	Mar	-0.4	-1.6	1.7	-2.9	3.1	-2.4	3.5
	Apr	-1.9	-3.3	-0.2	-0.8	-3.3	-1.6	-2.0
	May	1.4	-1.7	1.0	0.3	-1.5	1.9	-0.6
	Jun	3.0	1.3	0.8	-8.3	-2.8	0.6	1.1
	Jul	-1.0	2.0	0.2	3.2	-2.6	1.0	-0.4
Percentage change, latest 3 months on same 3 months a year ago†								
2016	May	1.0	-3.6	-1.0	-6.7	-3.6	6.8	1.3
	Jun	1.4	-4.3	-1.8	-6.4	-2.8	6.7	4.1
	Jul	0.2	-2.3	-2.0	-6.5	-1.3	5.7	6.9
	Aug	0.3	-2.5	-2.7	-6.3	-0.3	4.8	8.9
	Sep	1.2	-1.9	-0.8	-6.7	0.8	4.1	8.8
	Oct	2.3	-3.3	0.5	-5.8	1.2	2.4	9.7
	Nov	3.0	-3.0	1.8	-2.4	2.7	2.4	7.9
	Dec	3.0	0.7	4.5	0.5	4.8	2.7	8.3
2017	Jan	2.4	1.2	4.7	2.2	6.8	4.6	7.1
	Feb	0.7	0.5	5.7	2.2	9.9	6.4	9.3
	Mar	0.3	-2.0	3.5	1.9	9.8	6.3	9.6
	Apr	-0.6	-1.1	1.2	2.8	8.5	5.0	8.7
	May	-0.1	-0.5	0.2	3.3	6.6	2.5	7.1
	Jun	-0.8	0.9	3.4	5.4	6.2	0.7	5.6
	Jul	0.2	1.0	4.7	7.7	7.8	2.4	6.0
	Aug	0.3	1.6	5.7	7.9	6.9	2.8	6.7
	Sep	0.7	1.5	5.6	8.0	8.9	4.7	7.4
	Oct	0.4	4.9	6.6	6.0	10.8	5.0	6.9
	Nov	0.5	6.8	7.1	3.9	12.6	5.1	7.2
	Dec	0.2	6.7	4.3	1.9	12.2	4.8	6.2
2018	Jan	0.6	5.0	5.4	0.2	12.6	2.9	4.9
	Feb	0.8	4.8	6.4	-1.5	9.8	3.0	1.5
	Mar	0.9	5.3	11.7	-3.2	10.7	2.6	0.7
	Apr	-0.2	4.3	14.5	-6.1	9.0	1.1	1.4
	May	-1.1	1.8	15.5	-6.4	9.6	0.4	2.6
	Jun	0.2	-0.6	12.2	-10.9	8.1	1.4	1.7
	Jul	1.5	-0.4	12.0	-13.3	4.9	1.8	0.5

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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 2016 = 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	111.5	29.8	53.6	9.9	48.6	55.1
	K22B	K22P	K22T	K22X	K22Z	K239
Percentage change, latest 3 months on previous 3 months						
2016						
May	-0.5	-3.3	0.1	-9.6	-3.0	7.1
Jun	1.0	-2.6	1.2	-1.4	-1.7	4.1
Jul	0.8	-3.1	1.2	7.4	-0.6	-6.9
Aug	0.2	-1.8	0.2	6.0	-0.2	-8.6
Sep	-0.4	-0.7	-0.2	2.1	1.8	-6.9
Oct	-0.5	1.3	-	-0.1	1.7	-1.1
Nov	-0.1	0.5	0.4	4.5	1.9	4.0
Dec	-0.3	-0.6	1.1	4.7	0.3	8.8
2017						
Jan	0.4	-0.4	2.0	3.1	1.0	9.5
Feb	1.0	1.1	1.5	-1.6	0.7	1.0
Mar	1.3	3.0	0.8	-1.2	0.7	-10.8
Apr	1.2	2.6	-0.4	-0.5	-	-12.9
May	0.4	1.7	0.3	1.3	0.9	-7.1
Jun	-0.2	-	-	0.9	1.4	3.1
Jul	-0.9	2.8	-	-2.4	0.7	3.9
Aug	-0.4	2.5	-0.8	-4.4	0.3	2.0
Sep	-	1.4	-0.2	-4.9	-	-2.6
Oct	0.2	-3.1	0.5	0.5	-0.1	0.1
Nov	0.2	-2.7	1.4	2.2	-0.8	1.6
Dec	0.5	0.3	1.4	0.8	-2.1	4.1
2018						
Jan	0.4	3.2	1.5	-4.4	-1.5	1.5
Feb	-0.1	2.4	0.9	-6.6	-1.1	0.4
Mar	-0.3	-0.2	0.7	-6.3	-0.1	-1.0
Apr	0.1	-1.5	-0.3	-2.8	-0.6	-0.5
May	0.7	0.3	-0.3	-0.1	-0.9	-0.7
Jun	1.1	1.3	-0.6	0.7	-1.1	3.1
Jul	1.6	1.5	0.5	-1.6	-0.1	2.8

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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

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2016 = 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	59.7	84.4	33.6	23.5	44.9	107.6	64.0	
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z	
Percentage change, latest 3 months on previous 3 months								
2016	May	1.2	-1.1	0.8	-2.3	2.4	4.3	1.5
	Jun	1.0	-1.8	1.9	-1.8	1.1	5.0	2.5
	Jul	-1.0	-0.5	0.9	-2.6	-0.9	2.7	3.2
	Aug	-1.4	0.1	-0.4	-1.5	-0.7	0.1	3.0
	Sep	-1.2	0.4	-0.1	-1.5	1.4	-1.3	1.3
	Oct	0.7	-1.2	0.8	1.0	2.2	-0.5	0.7
	Nov	1.8	-2.0	1.4	4.1	1.6	-0.8	0.5
	Dec	1.4	-	3.5	5.6	1.9	-0.1	0.7
2017	Jan	0.7	2.5	3.4	4.9	3.9	1.4	1.7
	Feb	-0.8	3.5	3.9	2.1	6.4	2.8	4.1
	Mar	-0.9	-0.5	-1.8	-0.3	5.1	2.7	4.8
	Apr	-1.0	-1.9	-3.7	-0.4	3.1	1.4	2.8
	May	0.3	-2.0	-4.4	-1.2	-0.7	0.5	-0.5
	Jun	-0.1	1.1	1.9	1.7	-2.2	-0.5	-1.2
	Jul	-0.1	1.6	4.4	2.1	-1.6	0.1	0.6
	Aug	-1.0	2.2	5.1	2.8	-0.3	0.4	2.5
	Sep	0.3	1.0	1.9	0.9	4.0	2.6	3.0
	Oct	0.8	2.6	2.6	-0.6	5.0	2.1	1.6
	Nov	1.9	3.0	2.6	0.3	6.9	1.4	0.9
	Dec	0.9	5.1	2.3	-0.4	5.0	-	-0.4
2018	Jan	0.9	2.7	2.2	-0.8	5.6	-0.7	-0.2
	Feb	-0.5	1.7	3.2	-3.3	3.8	0.7	-1.4
	Mar	-0.2	-1.8	5.1	-5.3	3.7	0.5	-0.6
	Apr	-1.8	-2.6	4.6	-6.7	-0.1	-0.3	-0.6
	May	-1.5	-4.9	3.8	-6.1	-1.0	-2.1	0.5
	Jun	-0.7	-4.6	2.4	-6.4	-4.5	-1.6	-0.2
	Jul	1.6	-3.0	2.0	-5.8	-5.3	0.7	-0.2

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

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

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Percentage change, latest year on previous year
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IOP5R

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

Seasonally adjusted 2016 = 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	75.4	726.2	126.0	72.4	52.6	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 Q2	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-
2017 Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Percentage change, latest year on previous year											
2013	-	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-
Percentage change, latest month on same month a year ago											
2016 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	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-

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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	75.4	726.2	126.0	72.4	52.6	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	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	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
Percentage change, latest 3 months on same 3 months a year ago											
2016	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	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-

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Latest weight	1 000.0	75.4	726.2	126.0	72.4	52.6	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											
2016	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	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-

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

Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2016 = 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	111.5	29.8	53.6	9.9	48.6	55.1
	K22B	K22P	K22T	K22X	K22Z	K239
2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-
2017	-	-	-	-	-	-
2017 Q2	-	-	-	-	-	-
2017 Q3	-	-	-	-	-	-
2017 Q4	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-
2018 Q2	-	-	-	-	-	-
2017 Apr	-	-	-	-	-	-
2017 May	-	-	-	-	-	-
2017 Jun	-	-	-	-	-	-
2017 Jul	-	-	-	-	-	-
2017 Aug	-	-	-	-	-	-
2017 Sep	-	-	-	-	-	-
2017 Oct	-	-	-	-	-	-
2017 Nov	-	-	-	-	-	-
2017 Dec	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-
2018 Feb	-	-	-	-	-	-
2018 Mar	-	-	-	-	-	-
2018 Apr	-	-	-	-	-	-
2018 May	-	-	-	-	-	-
2018 Jun	-	-	-	-	-	-
Percentage change, latest year on previous year						
2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-
2017	-	-	-	-	-	-
Percentage change, latest month on same month a year ago						
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	-	-	-	-	-	-
2018 Apr	-	-	-	-	-	-
2018 May	-	-	-	-	-	-
2018 Jun	-	-	-	-	-	-

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	59.7	84.4	33.6	23.5	44.9	107.6	64.0
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2013	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
2017 Q2	-	-	-	-	-	-	-
2017 Q3	-	-	-	-	-	-	-
2017 Q4	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-
2018 Q2	-	-	-	-	-	-	-
2017 Apr	-	-	-	-	-	-	-
2017 May	-	-	-	-	-	-	-
2017 Jun	-	-	-	-	-	-	-
2017 Jul	-	-	-	-	-	-	-
2017 Aug	-	-	-	-	-	-	-
2017 Sep	-	-	-	-	-	-	-
2017 Oct	-	-	-	-	-	-	-
2017 Nov	-	-	-	-	-	-	-
2017 Dec	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-
2018 Feb	-	-	-	-	-	-	-
2018 Mar	-	-	-	-	-	-	-
2018 Apr	-	-	-	-	-	-	-
2018 May	-	-	-	-	-	-	-
2018 Jun	-	-	-	-	-	-	-
Percentage change, latest year on previous year							
2013	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
Percentage change, latest month on same month a year ago							
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	-	-	-	-	-	-	-
2018 Apr	-	-	-	-	-	-	-
2018 May	-	-	-	-	-	-	-
2018 Jun	-	-	-	-	-	-	-

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IOP5R

continued

Output of the Production Industries

Chained volume indices of gross value added¹

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Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	111.5	29.8	53.6	9.9	48.6	55.1
	K22B	K22P	K22T	K22X	K22Z	K239

Percentage change, latest month on previous month

2016	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	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-

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

2016	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	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-

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Latest weight	59.7	84.4	33.6	23.5	44.9	107.6	64.0
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

Percentage change, latest month on previous month†

2016	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	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-

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

2016	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	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-

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continued

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

Seasonally adjusted 2016 = 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	111.5	29.8	53.6	9.9	48.6	55.1
	K22B	K22P	K22T	K22X	K22Z	K239

Percentage change, latest 3 months on previous 3 months

2016	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	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-

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Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2016 = 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	59.7	84.4	33.6	23.5	44.9	107.6	64.0
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

Percentage change, latest 3 months on previous 3 months

2016	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	-	-	-	-	-	-	
	Apr	-	-	-	-	-	-	
	May	-	-	-	-	-	-	
	Jun	-	-	-	-	-	-	

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