

Statistical bulletin

Index of Production, UK: May 2019

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



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1 . Main points

- Production output rose by 0.3% for the three months to May 2019, compared with the three months to February 2019, due to rises from all four main sectors, led by mining and quarrying (1.6%), and manufacturing (0.1%).
- The three-monthly increase in manufacturing is due mainly to widespread strength with 9 of the 13 subsectors increasing; however overall strength is partially offset by a strong fall of 4.6% from transport equipment.
- Production output rose by 1.4% between April 2019 and May 2019 due to rises from all four main sectors; the manufacturing sector provided the largest upward contribution, rising by 1.4%.
- Within manufacturing over half of the subsectors fell, so overall growth is due to transport equipment, which rose by 12.4%; this is the strongest rise since April 2005 and is a partial bounceback from the fall of 13.8% during April 2019.
- For the three months to May 2019 compared with the same three months to May 2018, production output increased by 0.4%, with notable rises in manufacturing of 0.6% and mining and quarrying of 4.1%; partially offset by a fall of 3.7% from electricity and gas.

2 . Things you need to know about this release

Please take the time to complete our [survey on the new gross domestic product \(GDP\) publication model](#), which was introduced in July 2018.

This May 2019 release contains revisions from January 2019 onwards, and is consistent with the [national accounts revisions policy](#). The revisions up to March 2019 are consistent with those published in the [Quarterly national accounts](#) on 28 June 2019.

On the 11 April 2019, we published the [Quality assurance of administrative data \(QAAD\) report for Value Added Tax turnover](#). This looks at how we compile and use VAT data in the short-term economic output indicators.

The 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 GDP; the production industries' weight accounts for 13.8% of the [output approach to the measurement of GDP](#).

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.

For further detail on the longer-term trend within manufacturing, please see an article titled [Manufacturing sector performance, UK: 2008 to 2018](#), which was published on 2 April 2019. This provides an overview of the changes in the manufacturing sector between 2008 and 2018, focusing on the industries that have grown or shrunk the most.

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.

Blue Book 2019

Each year we produce an annual update to the UK National Accounts in the Blue Book and Pink Book and the associated releases. As already announced, the Blue Book and Pink Book 2019 consistent datasets will be published on 30 September 2019.

Details have already been provided on the scope in the article Latest developments and changes to be implemented in Blue Book and Pink Book 2019. Indicative impacts on headline gross domestic product (GDP) components for the years 1997 to 2016 were published on 27 June 2019 in the article Blue Book 2019 indicative impacts on GDP current price and chained volume measure estimates: 1997 to 2016.

This year, due to the very demanding set of changes being put through in the annual update, we are exceptionally not going to fully reconcile 2017 annual data, instead producing an indicative balance to allow further time for final quality assurance of the data.

Consequently, the reference year and last base year for all chained volume measure series will remain as 2016.

3 . Production in detail

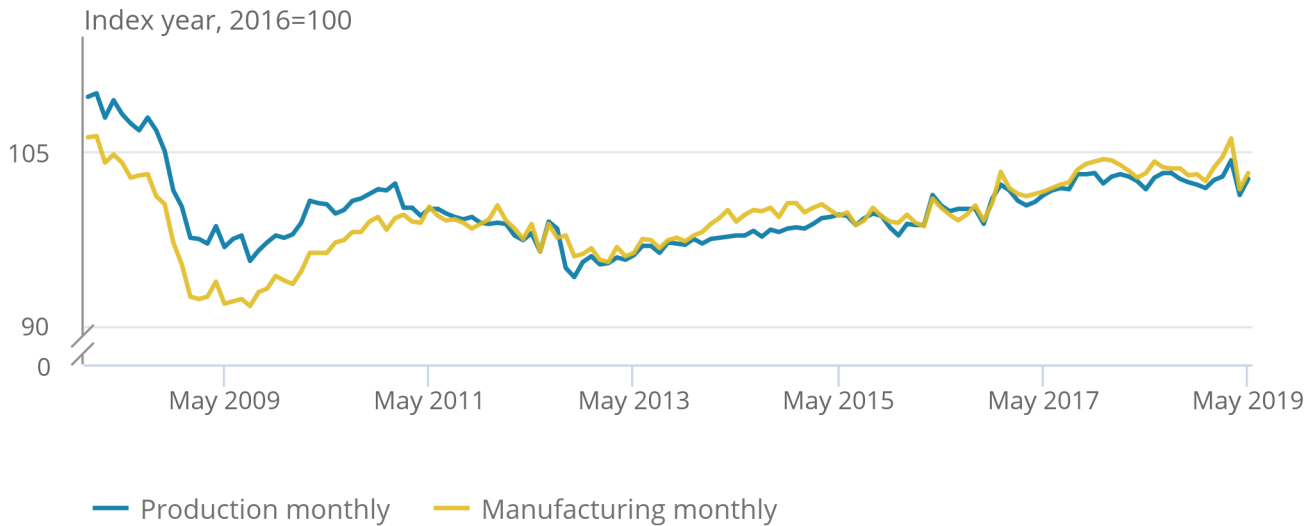
Figure 1 shows that growth for the Index of Production (IoP) and Index of Manufacturing (IoM) was more pronounced from the beginning of 2010, as the economy recovered, before a downturn during 2012. Production and manufacturing output have risen since then but remain 7.3% and 3.2% lower respectively for May 2019 than the pre-downturn peak in February 2008.

Figure 1: The Index of Production and the Index of Manufacturing remain below their pre-economic downturn peak

Index of Production and Index of Manufacturing, seasonally adjusted, UK, January 2008 to May 2019

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Index of Production and Index of Manufacturing, seasonally adjusted, UK, January 2008 to May 2019



Source: Office for National Statistics – Index of Production

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 IoP and production sectors for May 2019.

Table 1: Growths and contributions to production, three months on previous three months, three months on same three months a year ago, month on previous month
UK, May 2019, seasonally adjusted estimates

Sector	Summary description	Three months on previous three months		Three months on same three 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	0.3	0.34	0.4	0.39	1.4	1.37
Sector B	Total mining and quarrying	1.6	0.12	4.1	0.31	0.4	0.03
5	Coal and Lignite	-7.5	0.00	-14.3	0.00	9.3	0.00
6	Crude petroleum and natural gas	1.6	0.08	2.6	0.14	1.2	0.06
789	Other mining and quarrying	1.8	0.04	7.9	0.17	-1.4	-0.03
Sector C	Total Manufacturing	0.1	0.09	0.6	0.43	1.4	1.02
CA	Food, beverages and tobacco	1.2	0.13	3.4	0.38	-1.4	-0.16
CB	Textiles and leather products	4.4	0.13	6.7	0.20	-2.2	-0.07
CC	Wood, paper and printing	0.4	0.02	0.5	0.03	-2.1	-0.12
CD	Coke and petroleum	-3.9	-0.04	3.1	0.03	2.1	0.02
CE	Chemical products	-3.6	-0.18	2.2	0.10	1.4	0.07
CF	Pharmaceutical products	2.0	0.11	3.8	0.20	-2.8	-0.15
CG	Rubber and plastic products	0.7	0.04	3.9	0.22	-0.6	-0.03
CH	Metal products	0.2	0.02	0.0	0.00	2.6	0.22
CI	Computer, electronic and optical	3.9	0.15	6.5	0.24	2.8	0.11
CJ	Electrical equipment	8.0	0.18	10.8	0.24	-1.0	-0.03
CK	Machinery and equipment	-2.2	-0.10	-7.4	-0.37	-0.2	-0.01
CL	Transport equipment	-4.6	-0.49	-7.4	-0.81	12.4	1.16
CM	Other manufacturing and repair	2.0	0.13	-0.5	-0.03	0.3	0.02
Sector D	Total Electricity and Gas	0.6	0.07	-3.7	-0.46	2.1	0.25
35.1	Electric power generation, transmission and distribution	1.1	0.09	-3.6	-0.32	2.5	0.22
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	-0.7	-0.02	-4.0	-0.14	1.1	0.04

Sector E	Total Water and Waste	0.8	0.05	1.4	0.10	0.9	0.06
36	Water collection, treatment and supply	-0.6	-0.01	0.5	0.01	2.0	0.04
37	Sewerage	3.8	0.07	-4.0	-0.08	-1.0	-0.02
38	Waste collection, treatment and disposal activities; materials recovery	-0.2	-0.01	5.8	0.17	1.3	0.04
39	Remediation activities and other waste management services	1.5	0.00	11.3	0.01	5.6	0.00

Source: Office for National Statistics - Index of Production

4 . What is contributing to the three-monthly increase?

Total production output for the three months to May 2019, compared with the three months to February 2019, increased by 0.3%, driven by rises in all four main sectors. This is the fourth consecutive three-monthly rise in production output since January 2019.

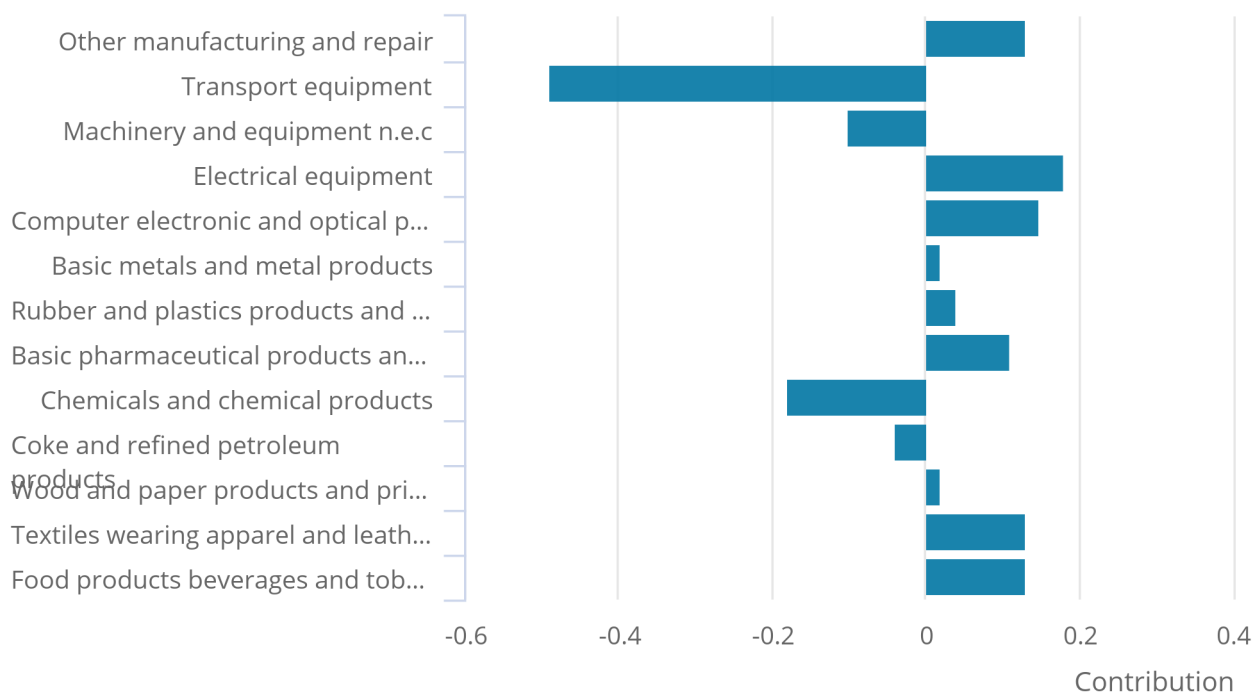
Providing the largest upward contribution to total production output was an increase of 1.6% in mining and quarrying, led by oil and gas extraction (1.6%). This was due mainly to notable strength in the growth of the monthly index (2.5%) during March 2019, due to newer oil fields increasing production. Additionally, the growth in other mining and quarrying, which rose by 1.8%, is due to the continuation of three-monthly strength since June 2018, from mining support service activities (3.3%).

Figure 2: The significant decrease in transport equipment partially offsets widespread strength across manufacturing during the three months to May 2019

Contribution to the Index of Production by manufacturing industries, three-month on three-month, seasonally adjusted, UK, May 2019

Figure 2: The significant decrease in transport equipment partially offsets widespread strength across manufacturing during the three months to May 2019

Contribution to the Index of Production by manufacturing industries, three-month on three-month, seasonally adjusted, UK, May 2019



Source: Office for National Statistics - Index of Production

Total manufacturing output rose by 0.1%, displaying a fourth consecutive three-monthly increase since January 2019, with 9 of the 13 subsectors increasing.

The largest upward contributions to manufacturing growth were led by:

- Electrical equipment (8.0%), due primarily to cumulative strength from large businesses
- Computer, electronic and optical products (3.9%) is a continuation of strength since November 2018

Partially offsetting overall growth was transport equipment, which fell by 4.6%, led by a continuation of weakness within motor vehicles, trailers and semi-trailers, which fell by 9.2%. This is the largest fall within this sub-industry since March 2009, when it fell by 23.3%. The most recent three monthly weakness was due mainly to the impact of planned shutdowns within this industry in April 2019.

In addition, weak domestic sales and a gradual decline in export sales within motor vehicles, trailers and semi-trailers, since a peak in October 2017 (see our [Monthly Business Survey turnover in production industries dataset for more information](#)), have also contributed to the recent decline in the index level, with anecdotal evidence from respondents confirming weakening domestic and global demand.

The increase of 0.6% within electricity and gas supply was driven by an increase of 1.1% from electricity generation and distribution, due mainly to monthly strength during April 2019 (2.8%) and May 2019 (2.5%).

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

Monthly total production output rose by 1.4% in May 2019, due to all four main sectors increasing and follows a significant fall of 2.9% in April 2019.

Electricity and gas output rose by 2.1%. [The Met Office \(PDF, 250KB\)](#) reported that the long-term average temperature for May 2019 was colder by 0.3 degrees Celsius, resulting in increased demand.

The largest upward contribution this month came from manufacturing, which increased by 1.4% and follows the significant fall of 4.2% during April 2019. The negative growth last month is consistent with the widespread early completion of orders that took place during Quarter 1 (Jan to Mar) 2019. However, we are unable to quantify the effect of this.

Despite the strength within manufacturing during May 2019, 7 of the 13 subsectors displayed weakness and were it not for transport equipment, then overall manufacturing output would have fallen by 0.1%.

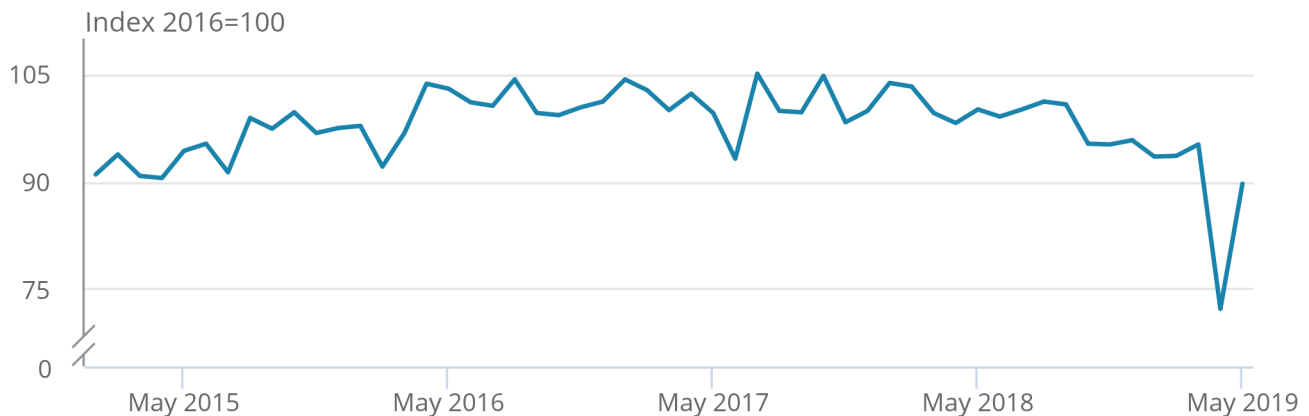
The significant increase in transport equipment is due to a partial bounceback effect from motor vehicles, trailers and semi-trailers, which increased by a record 24.2% in May 2019 following a strong fall in April 2019. However, output within this sub-industry in May 2019 remains below the level of output seen at the end of the first quarter of 2019 (Figure 3).

Figure 3: A record rise of 24.2% in the Index of Motor Vehicles, Trailers and Semi-trailers is a partial bounceback from a significant fall in April 2019

Index of Motor Vehicles, Trailers and Semi-trailers, seasonally adjusted, UK, January 2015 to May 2019

Figure 3: A record rise of 24.2% in the Index of Motor Vehicles, Trailers and Semi-trailers is a partial bounceback from a significant fall in April 2019

Index of Motor Vehicles, Trailers and Semi-trailers, seasonally adjusted, UK, January 2015 to May 2019



Source: Office for National Statistics - Index of Production

Providing supporting strength was a 2.6% increase from basic metals and metal products, where export strength within weapons and ammunition, led to a 15.5% rise. This sub-industry can be volatile due to the completion of high value contracts. Fabricated metal products also increased by 1.6%, its strongest growth since June 2018.

Providing the largest downward contributions within manufacturing were:

- Food products, beverages and tobacco, which fell by 1.4% driven by falls within meat products (2.9%) and bakery and farinaceous products (3.6%), following pre-production for Easter during the majority of April 2019
- Pharmaceutical products, which fell by 2.8%

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

Total production output for the three months to May 2019 increased by 0.4%, compared with the same three months to May 2018. This was driven by a rise in three of the four main sectors.

Mining and quarrying rose by 4.1%, due mainly to the continuation of strength within oil and gas extraction (2.6%), where an expansion in oil and gas fields coming online at the end of 2017, has steadily increased production from that point. This is supported by widespread strength within other mining and quarrying, which increased by 7.9%.

Electricity and gas fell by 3.7%, affected by the UK experiencing a spell of severe winter weather (the “Beast from the East”), with low temperatures and snowfalls during March 2018. This weather effect increased demand in electricity and gas during that period, in comparison with the three months to May 2019.

Manufacturing rose by 0.6%, providing the largest upward contribution and was due to widespread strength, with 9 of the 13 subsectors increasing.

The rise in manufacturing was driven by a notable increase from food products, beverages and tobacco at 3.4%, due primarily to continued strength from alcoholic beverages, which rose by 8.2% and meat products, which rose by 5.0%. Underpinning much of the strength within the alcoholic beverages and meat products subindustries is an increase in nominal total export and domestic turnover (see our [Monthly Business Survey turnover in production industries dataset](#)).

Partially offsetting the increase in overall manufacturing growth was a fall of 7.4% within transport equipment. Additionally, The Society of Motor Manufacturers and Traders (SMMT) have reported a [decline in the number of cars manufactured for domestic and export markets](#) during May 2019 compared with May 2018.

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 July 2019).

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).

On 11 October 2018, we published an article on the [future use of VAT](#) as part of the economic review, which considers the strategic collection model for administrative and survey data for short-term indicators, including the Index of Production.

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 \(MBS\) 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
- 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	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	
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	99.4	102.5	98.4	103.4	97.8	102.9	98.8	102.3	103.3	98.6	
2018	102.6	103.7	103.4	97.9	101.9	104.1	111.0	100.6	107.7	102.1	99.9	
2018 Q1	103.0	100.8	103.9	100.3	100.9	101.4	111.0	99.5	110.2	101.8	100.2	
Q2	102.4	103.4	103.4	96.5	101.5	103.9	111.2	101.6	107.5	101.3	98.9	
Q3	103.0	105.7	103.6	98.1	103.1	106.1	110.4	100.7	107.4	102.8	100.9	
Q4	102.2	104.8	102.8	96.6	102.2	105.1	111.2	100.7	105.7	102.3	99.5	
2019 Q1	103.3 †	105.8 †	104.8 †	93.9 †	101.4 †	104.9 †	114.4 †	104.1 †	106.3 †	104.7 †	97.9	
2018 Mar	102.9	98.9	103.4	103.4	101.3	99.7	111.1	99.4	109.3	101.0	101.8	
Apr	102.5	105.9	102.8	100.0	100.3	108.6	110.0	100.2	107.7	100.5	102.0	
May	101.8	101.6	103.2	94.7	101.2	101.1	111.9	101.3	107.6	101.1	97.0	
Jun	102.8	102.8	104.2	95.0	103.1	102.1	111.6	103.4	107.3	102.3	97.7	
Jul	103.2	106.2	103.7	98.7	103.3	107.0	111.5	101.1	107.3	102.8	101.5	
Aug	103.2	107.1	103.6	98.4	103.3	107.9	110.6	100.2	107.8	102.7	101.5	
Sep	102.7	103.7	103.6	97.1	102.8	103.3	109.0	100.7	107.0	103.0	99.5	
Oct	102.4	105.8	103.0	97.1	102.3	105.3	110.9	100.4	105.8	102.9	99.9	
Nov	102.2	103.9	103.1	96.5	102.0	103.8	111.8	101.4	105.9	102.1	99.1	
Dec	101.9	104.7	102.5	96.3	102.3	106.1	111.1	100.4	105.3	101.9	99.5	
2019 Jan	102.6 †	102.8 †	103.7 †	96.9 †	101.3 †	101.0 †	111.8	102.6 †	105.4 †	103.5 †	98.8	
Feb	102.9	106.4	104.6	92.1	101.1	105.6	115.0	103.1	106.3	104.7	97.0	
Mar	104.3	108.2	106.2	92.7	101.9	108.2	116.3	106.5	107.1	105.8	97.8	
Apr	101.3	105.2	101.8	96.1	102.2	104.0	115.6	102.9	99.9	103.2	98.5	
May	102.7	105.6	103.2	98.2	103.1	105.3	118.3	100.7	105.7	103.2	100.3	
Percentage change, latest year on previous year												
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	-0.6	2.5	-1.6	3.4	-2.2	2.9	-1.2	6.3	2.3	-1.4	
2018	0.8	4.3	0.9	-0.6	-1.4	6.5	7.8	1.8	1.3	-0.2	1.3	
Percentage change, latest month on same month a year ago												
2017 Mar	1.6	1.6	2.7	-7.3	7.3	0.3	0.4	-0.6	5.3	2.8	-3.7	
Apr	-0.6	-0.8	0.4	-8.3	4.2	-3.9	-2.4	-4.2	3.0	1.6	-5.0	
May	0.9	0.8	1.5	-2.8	1.9	-0.6	0.8	-2.4	4.7	1.9	-1.4	
Jun	1.8	2.6	2.3	-2.6	2.8	2.2	7.5	0.3	3.6	3.1	-0.5	
Jul	1.8	-6.8	3.2	-0.4	2.3	-10.8	-0.9	-	7.4	2.8	-3.9	
Aug	1.7	-5.3	2.7	0.5	2.0	-8.0	3.3	0.1	6.2	2.1	-2.3	
Sep	3.0	0.5	3.1	4.2	2.4	-	7.4	-1.2	7.5	2.9	2.0	
Oct	4.4	10.7	5.0	-2.1	2.9	14.2	3.1	1.9	9.6	3.7	2.1	
Nov	2.2	2.3	3.5	-4.9	1.1	1.9	3.8	-0.1	8.1	3.1	-3.1	
Dec	0.1	-14.1	1.1	2.0	1.2	-21.5	3.2	-3.8	5.6	0.9	-4.4	
2018 Jan	1.2	2.3	2.4	-4.2	-2.8	3.4	9.2	-0.6	6.7	1.0	-2.4	
Feb	2.3	3.6	2.5	3.7	-3.1	6.2	7.5	2.5	5.0	0.5	3.2	
Mar	2.5	-1.6	2.1	11.7	-3.7	0.1	13.1	0.7	5.6	-0.1	6.5	
Apr	1.8	7.6	1.4	3.5	-3.0	13.7	11.2	1.3	4.3	-1.3	5.2	
May	0.5	1.5	1.5	-4.0	-2.2	2.7	10.6	2.7	2.9	-0.6	-2.2	
Jun	1.1	-1.5	2.2	-3.2	-0.2	-2.1	6.9	4.0	2.5	0.6	-2.6	
Jul	1.3	4.8	1.4	-0.4	-	7.3	11.7	3.3	-	0.9	2.4	
Aug	1.3	7.7	1.2	-1.2	0.7	10.1	6.8	1.7	0.9	1.0	2.6	
Sep	-0.4	1.5	-	-4.0	-	1.5	1.4	2.4	-1.9	-	-1.5	
Oct	-0.7	2.5	-1.0	-0.2	-1.3	1.7	5.5	1.2	-3.1	-0.5	0.6	
Nov	-1.0	2.3	-1.1	-2.7	-0.5	3.2	7.0	1.2	-2.2	-2.0	-0.3	
Dec	-0.4	24.0	-1.8	-4.6	-0.2	38.0	4.2	1.3	-4.2	-1.9	5.0	
2019 Jan	-0.3 †	1.2 †	-0.6 †	- †	0.9 †	-0.9 †	0.2	3.5 †	-5.0 †	0.9 †	0.7	
Feb	-0.2	4.3	0.6	-8.4	0.1	2.8	4.1	3.2	-3.6	3.0	-3.7	
Mar	1.4	9.4	2.7	-10.3	0.6	8.5	4.6 †	7.2	-2.0	4.7	-3.9	
Apr	-1.1	-0.7	-1.0	-3.8	1.9	-4.2	5.1	2.7	-7.2	2.7	-3.5	
May	0.9	4.0	-	3.6	1.8	4.1	5.7	-0.6	-1.7	2.1	3.5	

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

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

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 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
Percentage change, latest month on previous month											
2017 Mar	-0.5	2.1	-0.2	-4.5	0.8	3.0	-4.3	1.3	-1.3	-	-2.1
Apr	0.3	-2.1	0.2	4.3	-1.6	-4.2	0.6	0.3	-0.2	0.7	1.5
May	0.6	1.7	0.3	2.1	0.1	3.1	2.3	-0.3	1.2	-0.2	2.3
Jun	0.4	4.2	0.2	-0.5	-0.2	6.0	3.2	0.8	0.2	-	1.2
Jul	0.2	-2.8	0.4	1.0	-	-4.5	-4.4	-1.6	2.4	0.2	-1.2
Aug	-0.1	-1.9	0.1	0.4	-0.6	-1.7	3.7	0.7	-0.4	-0.2	-0.2
Sep	1.3	2.8	1.1	1.6	0.1	3.9	3.8	-0.2	2.1	1.2	2.2
Oct	-	1.0	0.5	-3.8	0.8	1.7	-2.2	0.8	0.1	0.6	-1.8
Nov	0.1	-1.6	0.2	1.8	-1.1	-2.9	-0.6	1.0	-0.8	0.7	-
Dec	-0.9	-16.9	0.2	1.9	0.1	-23.5	2.1	-1.0	1.4	-0.3	-4.5
2018 Jan	0.6	20.3	-0.1	-4.1	-2.1	32.5	4.6	-	1.0	-1.2	3.5
Feb	0.2	0.4	-0.4	3.8	0.6	0.8	-1.0	0.8	-0.7	-0.9	2.7
Mar	-0.2	-3.0	-0.5	2.8	0.2	-2.9	0.6	-0.6	-0.8	-0.7	1.1
Apr	-0.4	7.0	-0.5	-3.3	-0.9	8.9	-1.0	0.9	-1.5	-0.5	0.2
May	-0.7	-4.0	0.3	-5.2	0.9	-6.9	1.7	1.0	-0.1	0.5	-5.0
Jun	1.0	1.2	1.0	0.2	1.9	1.0	-0.3	2.1	-0.2	1.2	0.8
Jul	0.4	3.3	-0.5	4.0	0.2	4.8	-0.1	-2.2	-	0.5	3.9
Aug	-0.1	0.9	-0.1	-0.4	0.1	0.9	-0.9	-0.9	0.5	-0.1	-
Sep	-0.4	-3.2	-	-1.3	-0.5	-4.3	-1.5	0.5	-0.8	0.2	-1.9
Oct	-0.3	2.0	-0.6	-	-0.5	1.9	1.8	-0.3	-1.1	-	0.3
Nov	-0.2	-1.8	0.1	-0.6	-0.2	-1.5	0.8	1.0	0.1	-0.8	-0.8
Dec	-0.3	0.8	-0.5	-0.1	0.3	2.3	-0.6	-0.9	-0.6	-0.2	0.5
2019 Jan	0.7 [†]	-1.9 [†]	1.1 [†]	0.6 [†]	-1.0 [†]	-4.8 [†]	0.6 [†]	2.1 [†]	0.1 [†]	1.6 [†]	-0.8 [†]
Feb	0.3	3.5	0.9	-4.9	-0.2	4.6	3.9	0.5	0.8	1.1	-1.8
Mar	1.4	1.7	1.6	0.6	0.7	2.5	1.1	3.3	0.8	1.1	0.9
Apr	-2.9	-2.8	-4.2	3.7	0.3	-3.9	-0.6	-3.3	-6.7	-2.5	0.7
May	1.4	0.4	1.4	2.1	0.9	1.2	2.3	-2.1	5.8	-	1.9
Percentage change, latest 3 months on same 3 months a year ago²											
2017 Mar	2.3	1.6	2.5	-1.2	6.7	1.0	3.1	-1.3	6.6	1.7	-0.2
Apr	1.1	0.2	1.9	-5.7	6.1	-1.8	0.9	-2.8	5.7	2.0	-3.3
May	0.7	0.5	1.5	-6.2	4.4	-1.4	-0.4	-2.4	4.3	2.1	-3.4
Jun	0.7	0.9	1.4	-4.6	2.9	-0.8	1.9	-2.1	3.8	2.2	-2.3
Jul	1.5	-1.3	2.3	-1.9	2.3	-3.4	2.4	-0.7	5.2	2.6	-2.0
Aug	1.7	-3.3	2.7	-0.9	2.4	-5.7	3.3	0.1	5.7	2.6	-2.2
Sep	2.2	-4.0	3.0	1.4	2.3	-6.4	3.3	-0.4	7.0	2.6	-1.4
Oct	3.0	1.7	3.6	0.8	2.4	1.5	4.6	0.2	7.8	2.9	0.6
Nov	3.2	4.4	3.9	-1.0	2.1	5.1	4.8	0.2	8.4	3.2	0.3
Dec	2.2	-0.5	3.2	-1.7	1.7	-2.2	3.4	-0.8	7.8	2.5	-1.8
2018 Jan	1.2	-3.1	2.3	-2.4	-0.2	-5.4	5.4	-1.6	6.8	1.6	-3.3
Feb	1.2	-2.7	2.0	0.4	-1.6	-4.0	6.6	-0.7	5.8	0.8	-1.2
Mar	2.0	1.4	2.3	3.5	-3.2	3.2	9.9	0.8	5.8	0.4	2.4
Apr	2.2	3.2	2.0	6.2	-3.3	6.6	10.6	1.5	5.0	-0.3	5.0
May	1.6	2.5	1.7	3.5	-3.0	5.4	11.6	1.5	4.3	-0.7	3.1
Jun	1.1	2.5	1.7	-1.3	-1.8	4.6	9.5	2.7	3.2	-0.4	0.1
Jul	1.0	1.6	1.7	-2.5	-0.8	2.6	9.7	3.3	1.8	0.3	-0.8
Aug	1.3	3.6	1.6	-1.6	0.1	5.0	8.4	3.0	1.1	0.9	0.8
Sep	0.8	4.6	0.9	-1.9	0.2	6.2	6.5	2.5	-0.3	0.7	1.2
Oct	0.1	3.8	0.1	-1.8	-0.2	4.3	4.5	1.8	-1.3	0.2	0.5
Nov	-0.7	2.1	-0.7	-2.3	-0.6	2.1	4.6	1.6	-2.4	-0.8	-0.4
Dec	-0.7	8.7	-1.3	-2.5	-0.7	12.2	5.6	1.2	-3.2	-1.5	1.7
2019 Jan	-0.6 [†]	8.3 [†]	-1.2 [†]	-2.5 [†]	-	11.3 [†]	3.7	2.0 [†]	-3.8 [†]	-1.0	1.8
Feb	-0.3	9.0	-0.6	-4.4	0.2	11.1	2.8	2.6	-4.2	0.6 [†]	0.6 [†]
Mar	0.3	4.9	0.9	-6.3	0.5	3.4	3.0 [†]	4.6	-3.5	2.9	-2.4
Apr	-	4.2	0.8	-7.6	0.8	2.2	4.6	4.3	-4.2	3.5	-3.7
May	0.4	4.1	0.6	-3.7	1.4	2.6	5.1	3.1	-3.6	3.2	-1.4

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					
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	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												
2017	Mar	0.3	2.6	0.5	-3.9	3.1	2.6	-0.9	-1.6	2.8	0.1	-1.8
	Apr	-1.0	0.1	-0.6	-5.9	2.2	-1.1	-2.0	-2.7	1.2	-0.5	-4.0
	May	-0.8	1.0	-0.8	-3.1	1.0	0.1	-3.1	-1.4	-0.5	-0.4	-1.9
	Jun	0.3	1.5	0.1	0.9	-0.8	1.1	0.5	0.4	-	0.4	1.0
	Jul	1.0	2.8	0.6	3.4	-0.9	3.6	1.8	0.3	1.5	0.3	2.9
	Aug	1.0	2.0	0.7	3.1	-0.9	2.9	3.1	-0.1	2.4	0.2	2.3
	Sep	1.0	0.1	1.1	2.2	-0.5	0.4	2.1	-0.8	3.4	0.4	0.9
	Oct	1.0	-0.3	1.4	0.7	-0.3	0.3	3.5	-	2.7	0.9	0.2
	Nov	1.3	0.7	1.7	0.3	-0.1	1.3	3.0	0.6	2.4	1.8	0.4
	Dec	0.6	-4.5	1.5	-0.8	-	-6.2	1.7	1.3	1.3	1.6	-1.9
2018	Jan	0.2	-5.6	1.0	-0.3	-1.1	-8.0	2.0	0.8	1.3	0.8	-2.4
	Feb	-0.3	-6.2	0.3	0.3	-1.6	-8.0	3.7	0.2	1.4	-0.8	-2.0
	Mar	0.1	4.6	-0.3	1.1	-1.9	8.3	5.4	-	1.0	-2.0	2.5
	Apr	-	6.6	-0.9	2.3	-1.0	11.3	2.8	0.3	-0.6	-2.4	4.2
	May	-0.4	6.3	-1.1	-0.1	-0.4	9.9	1.4	0.9	-2.0	-1.8	2.4
	Jun	-0.6	2.5	-0.5	-3.7	0.6	2.5	0.1	2.2	-2.4	-0.5	-1.3
	Jul	-0.2	1.2	0.3	-5.1	1.6	-0.2	1.0	2.1	-1.5	1.0	-2.7
	Aug	0.6	3.2	0.7	-2.0	2.3	2.5	0.2	1.3	-0.7	1.7	-
	Sep	0.6	2.2	0.2	1.6	1.6	2.1	-0.7	-0.9	-0.2	1.5	2.0
	Oct	0.1	1.9	-0.3	1.4	0.3	2.0	-1.4	-1.5	-0.5	0.8	1.6
	Nov	-0.6	-0.8	-0.6	-0.5	-0.8	-1.5	-0.6	-0.7	-1.1	0.1	-0.8
	Dec	-0.8	-0.8	-0.7	-1.5	-0.9	-1.0	0.8	0.1	-1.6	-0.5	-1.4
2019	Jan	-0.5 [†]	-1.6 [†]	-0.3 [†]	-1.0 [†]	-0.9 [†]	-1.8 [†]	1.3	1.0 [†]	-1.3 [†]	-0.4	-1.2 [†]
	Feb	-	0.2	0.4	-1.8	-0.7	0.1	1.9	1.2	-0.6	0.7 [†]	-1.1
	Mar	1.1	0.9	1.9	-2.8	-0.8	-0.1	2.8 [†]	3.3	0.6	2.3	-1.6
	Apr	0.6	2.7	1.1	-3.0	-0.2	2.3	3.7	2.7	-1.0	2.0	-1.4
	May	0.3	1.6	0.1	0.6	0.8	1.6	3.7	1.3	-1.3	0.7	0.5

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

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

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

IOP5 Output of the Production Industries

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
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	100.9	102.8	101.9	101.1	102.7	94.6
2018	102.7	102.6	102.2	97.3	103.0	98.6
2018 Q1	101.5	99.3	102.1	93.5	102.3	97.6
Q2	102.6	103.4	102.4	96.2	101.6	101.6
Q3	103.7	104.8	102.2	100.3	103.7	96.3
Q4	103.1	102.8	102.2	99.0	104.4	99.0
2019 Q1	105.8 [†]	106.4 [†]	102.8 [†]	103.0 [†]	107.8 [†]	104.0 [†]
2018 Mar	101.8	100.2	101.8	95.1	101.0	96.4
Apr	101.9	101.8	101.3	96.8	100.4	98.9
May	102.9	104.3	103.0	94.6	101.8	99.7
Jun	103.0	104.2	102.8	97.4	102.7	106.3
Jul	103.8	106.3	103.9	97.0	104.1	94.9
Aug	104.0	104.7	100.8	102.1	101.6	95.9
Sep	103.2	103.3	102.1	101.8	105.4	98.2
Oct	103.7	102.4	101.2	99.2	103.9	98.2
Nov	102.9	102.6	104.0	99.0	103.7	101.3
Dec	102.7	103.4	101.3	98.8	105.7	97.6
2019 Jan	104.9 [†]	103.6 [†]	102.8 [†]	102.8 [†]	107.6 [†]	101.1 [†]
Feb	105.6	106.0	102.3	105.9	108.1	101.4
Mar	107.0	109.4	103.3	100.2	107.6	109.4
Apr	105.7	109.9	103.2	96.6	100.4	99.7
May	104.2	107.5	101.1	98.6	101.8	96.9

Percentage change, latest year on previous year

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	0.9	2.8	1.9	1.1	2.7	-5.4
2018	1.8	-0.2	0.4	-3.8	0.4	4.3

Percentage change, latest month on same month a year ago

2017 Mar	3.6	6.2	4.3	13.6	4.6	-10.0
Apr	1.9	-2.4	1.9	15.9	4.8	-15.5
May	-1.3	4.1	1.1	4.1	3.3	-4.5
Jun	0.7	4.2	1.2	2.8	6.5	-0.6
Jul	1.4	4.5	0.8	-4.9	2.4	-1.3
Aug	1.0	3.9	0.6	-0.1	4.5	-1.1
Sep	-0.9	3.3	1.9	0.6	2.3	-3.8
Oct	1.8	3.7	2.4	-1.7	0.6	3.6
Nov	2.4	6.3	2.1	-8.3	2.7	-6.3
Dec	-	5.5	0.9	-3.9	-1.2	-15.1
2018 Jan	0.7	-0.6	-0.5	-7.7	-1.6	0.1
Feb	0.7	-5.0	1.7	-10.9	3.0	10.4
Mar	0.4	-4.2	-0.9	-8.0	-1.7	5.4
Apr	-	0.1	-0.5	-6.9	-3.7	6.5
May	2.9	2.5	1.2	-10.0	-0.6	4.0
Jun	2.0	2.5	1.7	-6.8	-0.7	10.2
Jul	2.7	3.3	3.6	2.1	1.6	3.5
Aug	3.3	1.6	-0.1	5.2	-2.1	2.0
Sep	3.2	0.3	0.1	-0.3	1.3	4.0
Oct	2.6	-0.1	-0.8	-2.6	2.8	1.0
Nov	1.0	-1.5	0.8	0.8	1.0	3.4
Dec	1.9	-0.8	-1.8	0.7	5.2	1.7
2019 Jan	3.7 [†]	3.2 [†]	0.4 [†]	8.9 [†]	5.2 [†]	3.7 [†]
Feb	4.0	8.9	0.1	16.2	4.4	2.6
Mar	5.1	9.2	1.5	5.4	6.5	13.5
Apr	3.7	8.0	1.9	-0.2	-	0.8
May	1.3	3.1	-1.9	4.2	-	-2.8

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

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

IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 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
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	101.7	104.5	104.7	109.6	103.8	107.0
2018	99.9	101.9	114.8	96.7	111.6	104.2	106.3
2018 Q1	98.3	104.8	115.0	98.1	116.5	106.4	107.0
Q2	99.6	100.7	115.1	96.0	111.9	104.0	106.2
Q3	100.9	102.3	114.0	96.1	109.3	104.8	106.4
Q4	100.8	99.7	115.3	96.7	108.8	101.5	105.5
2019 Q1	102.2 ^T	103.1 ^T	120.1 ^T	102.7 ^T	107.2 ^T	101.3 ^T	104.6 ^T
2018 Mar	98.2	104.2	114.9	96.3	116.6	104.4	107.2
Apr	97.5	101.6	113.8	96.6	114.2	103.7	106.1
May	98.9	99.1	116.3	96.8	110.9	104.5	105.9
Jun	102.2	101.3	115.2	94.5	110.8	103.9	106.7
Jul	101.6	101.8	115.3	96.2	109.4	104.2	106.5
Aug	100.5	102.7	114.8	96.3	109.9	105.3	106.4
Sep	100.6	102.5	111.9	95.8	108.7	104.8	106.3
Oct	100.6	101.9	115.0	96.7	108.5	101.4	105.7
Nov	101.0	98.6	115.4	96.6	109.0	101.2	107.0
Dec	100.7	98.7	115.3	96.9	108.9	101.9	103.8
2019 Jan	101.1 ^T	102.3 ^T	117.0	99.2 ^T	107.5 ^T	100.5 ^T	103.4 ^T
Feb	102.3	103.3	121.3 ^T	101.2	107.1	101.1	104.2
Mar	103.3	103.6	122.0	107.9	106.9	102.3	106.2
Apr	101.7	99.4	120.9	107.0	104.9	88.1	105.6
May	101.2	102.0	124.3	106.0	104.7	99.0	105.9
Percentage change, latest year on previous year							
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	1.7	4.5	4.7	9.6	3.8	7.0
2018	-0.2	0.2	10.0	-7.6	1.8	0.4	-0.7
Percentage change, latest month on same month a year ago							
2017 Mar	1.6	-0.8	0.2	1.3	6.2	3.6	9.4
Apr	-1.9	-0.4	-2.9	4.4	2.7	2.1	4.7
May	0.6	0.3	1.7	5.3	9.9	0.8	5.3
Jun	-0.9	3.3	10.9	8.0	6.9	-2.2	5.0
Jul	0.6	-0.2	0.7	11.5	9.7	7.3	7.4
Aug	0.9	1.4	5.6	5.6	8.3	1.6	8.4
Sep	0.1	2.9	12.9	8.3	12.5	3.2	7.7
Oct	0.2	9.8	6.5	4.6	14.4	8.0	4.9
Nov	1.2	7.0	6.9	0.1	12.5	3.3	8.1
Dec	-0.7	3.5	2.4	2.6	9.9	3.4	5.4
2018 Jan	-1.0	4.4	12.6	-2.9	13.4	3.5	2.9
Feb	-1.8	7.9	12.0	-7.3	2.5	4.1	-1.5
Mar	-2.1	5.4	18.3	-4.2	9.7	2.3	0.7
Apr	-2.7	2.8	15.9	-7.7	9.6	-0.5	3.2
May	-1.7	-0.9	13.8	-5.8	2.6	1.4	1.9
Jun	3.8	-0.9	6.7	-11.5	6.4	4.6	-0.8
Jul	2.4	2.0	14.5	-10.9	0.5	-2.3	-1.6
Aug	0.7	1.1	9.0	-5.6	0.1	1.9	-1.5
Sep	0.1	0.5	0.3	-10.4	-4.4	1.0	-4.1
Oct	-0.1	-3.3	6.1	-8.2	-4.3	-5.5	-0.8
Nov	-1.4	-6.1	7.3	-8.0	-5.5	-2.5	-0.9
Dec	1.1	-9.3	5.5	-8.5	-6.1	-2.9	-5.1
2019 Jan	1.8 ^T	-1.4 ^T	1.2 ^T	-0.9 ^T	-9.7 ^T	-6.4 ^T	-4.3 ^T
Feb	4.9	-2.8	5.8	3.4	-5.9	-5.9	-1.3
Mar	5.2	-0.6	6.2	12.1	-8.3	-2.0	-1.0
Apr	4.3	-2.2	6.3	10.8	-8.1	-15.0	-0.5
May	2.2	2.9	6.9	9.4	-5.6	-5.2	-0.1

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

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

IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 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						
2017						
Mar	0.5	2.1	2.1	1.1	2.3	2.1
Apr	0.5	-2.7	-0.9	0.6	1.4	1.6
May	-1.9	-	-0.1	1.1	-1.7	3.2
Jun	1.0	-0.1	-0.6	-0.7	1.0	0.7
Jul	0.1	1.3	-0.8	-9.0	-1.0	-5.0
Aug	-0.3	0.1	0.5	2.1	1.3	2.7
Sep	-0.7	-	1.1	5.2	0.3	0.4
Oct	1.1	-0.5	0.1	-0.3	-2.8	2.9
Nov	0.8	1.7	1.2	-3.6	1.5	0.8
Dec	-1.1	-	-	-	-2.1	-2.0
2018						
Jan	0.3	-3.7	-0.8	-3.8	1.7	1.5
Feb	0.4	-3.0	-0.1	-3.5	1.4	1.5
Mar	0.3	2.9	-0.5	4.4	-2.5	-2.5
Apr	-	1.6	-0.4	1.7	-0.6	2.6
May	1.0	2.5	1.6	-2.3	1.4	0.8
Jun	0.1	-0.1	-0.2	2.9	0.9	6.7
Jul	0.8	2.1	1.1	-0.4	1.3	-10.8
Aug	0.2	-1.5	-3.0	5.2	-2.4	1.1
Sep	-0.8	-1.3	1.3	-0.3	3.8	2.4
Oct	0.5	-0.9	-0.9	-2.6	-1.4	-0.1
Nov	-0.8	0.2	2.8	-0.2	-0.3	3.1
Dec	-0.2	0.7	-2.6	-0.2	2.0	-3.6
2019						
Jan	2.1 [†]	0.2 [†]	1.4 [†]	4.1 [†]	1.7 [†]	3.5 [†]
Feb	0.7	2.3	-0.4	3.0	0.5	0.4
Mar	1.3	3.2	1.0	-5.3	-0.5	7.9
Apr	-1.2	0.5	-0.1	-3.6	-6.7	-8.9
May	-1.4	-2.2	-2.1	2.1	1.4	-2.8
Percentage change, latest 3 months on same 3 months a year ago						
2017						
Mar	1.4	0.2	3.1	3.9	2.1	-5.7
Apr	1.8	1.8	2.9	9.9	3.2	-12.1
May	1.4	2.5	2.4	10.9	4.2	-10.2
Jun	0.4	1.8	1.4	7.3	4.9	-7.2
Jul	0.3	4.3	1.0	0.7	4.0	-2.1
Aug	1.0	4.2	0.9	-0.7	4.4	-1.0
Sep	0.5	3.9	1.1	-1.5	3.0	-2.1
Oct	0.6	3.6	1.6	-0.4	2.5	-0.5
Nov	1.1	4.4	2.1	-3.2	1.9	-2.3
Dec	1.4	5.2	1.8	-4.7	0.7	-6.5
2018						
Jan	1.0	3.7	0.9	-6.7	-	-7.5
Feb	0.4	-0.1	0.7	-7.5	0.1	-2.5
Mar	0.6	-3.3	0.1	-8.9	-0.1	5.2
Apr	0.4	-3.0	0.1	-8.6	-0.8	7.4
May	1.1	-0.6	-0.1	-8.3	-2.0	5.3
Jun	1.6	1.7	0.8	-7.9	-1.7	6.9
Jul	2.5	2.8	2.1	-5.1	0.1	5.9
Aug	2.7	2.5	1.7	-	-0.4	5.3
Sep	3.1	1.7	1.2	2.3	0.3	3.1
Oct	3.0	0.6	-0.3	0.7	0.6	2.3
Nov	2.3	-0.5	-	-0.7	1.7	2.8
Dec	1.8	-0.8	-0.6	-0.4	3.0	2.0
2019						
Jan	2.2	0.3 [†]	-0.2 [†]	3.4 [†]	3.8 [†]	2.9 [†]
Feb	3.2 [†]	3.7	-0.5	8.4	4.9	2.7
Mar	4.2	7.1	0.6	10.1	5.4	6.6
Apr	4.3	8.7	1.1	6.9	3.6	5.6
May	3.4	6.7	0.5	3.1	2.2	3.8

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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†							
2017 Mar	1.0	0.4	-5.1	-4.8	-4.3	-1.2	-0.7
Apr	-0.1	-0.1	1.1	4.2	-1.9	2.1	-3.4
May	0.4	1.2	4.1	-1.9	3.7	-1.1	1.1
Jun	-2.1	2.2	5.7	4.0	-3.7	-3.5	3.6
Jul	0.7	-2.4	-6.7	1.0	4.5	7.4	0.6
Aug	0.6	1.8	4.5	-5.5	0.8	-3.1	-0.3
Sep	0.7	0.4	6.0	4.8	3.6	0.3	2.6
Oct	0.2	3.3	-2.9	-1.4	-0.2	3.4	-3.8
Nov	1.7	-0.4	-0.8	-0.3	1.7	-3.2	1.3
Dec	-2.7	3.7	1.7	0.8	0.6	1.1	1.3
2018 Jan	-0.3	-4.6	5.7	-5.4	2.7	2.3	-1.2
Feb	-1.8	2.5	-0.8	-2.2	-4.5	0.1	-2.4
Mar	0.7	-2.0	0.2	-1.6	2.5	-2.8	1.6
Apr	-0.7	-2.5	-1.0	0.4	-2.1	-0.7	-1.1
May	1.4	-2.5	2.2	0.2	-2.9	0.8	-0.2
Jun	3.3	2.2	-0.9	-2.4	-0.1	-0.5	0.8
Jul	-0.6	0.5	0.1	1.8	-1.2	0.3	-0.2
Aug	-1.0	0.9	-0.5	0.2	0.4	1.1	-0.1
Sep	0.1	-0.2	-2.5	-0.6	-1.1	-0.6	-0.1
Oct	0.1	-0.6	2.8	1.0	-0.2	-3.2	-0.6
Nov	0.4	-3.2	0.3	-0.1	0.5	-0.1	1.3
Dec	-0.3	0.1	-	0.3	-0.1	0.7	-3.0
2019 Jan	0.4 †	3.7 †	1.4 †	2.4 †	-1.3 †	-1.4 †	-0.4 †
Feb	1.2	1.0	3.7	2.0	-0.4	0.7	0.7
Mar	1.0	0.3	0.6	6.7	-0.2	1.2	1.9
Apr	-1.5	-4.1	-0.9	-0.8	-1.8	-13.8	-0.6
May	-0.6	2.6	2.8	-1.0	-0.2	12.4	0.3
Percentage change, latest 3 months on same 3 months a year ago							
2017 Mar	0.5	-2.2	3.0	2.3	9.6	6.1	9.1
Apr	-0.3	-1.3	0.8	3.2	8.0	4.8	8.2
May	0.1	-0.3	-0.3	3.7	6.2	2.2	6.4
Jun	-0.7	1.1	3.1	5.9	6.5	0.3	5.0
Jul	0.1	1.1	4.4	8.2	8.8	1.9	5.9
Aug	0.2	1.5	5.7	8.3	8.3	2.2	6.9
Sep	0.5	1.4	6.4	8.4	10.2	4.0	7.8
Oct	0.4	4.7	8.3	6.1	11.7	4.3	7.0
Nov	0.5	6.5	8.7	4.2	13.1	4.8	6.9
Dec	0.3	6.7	5.2	2.4	12.2	4.9	6.1
2018 Jan	-0.1	4.9	7.2	-0.1	11.9	3.4	5.4
Feb	-1.2	5.3	8.9	-2.6	8.5	3.7	2.2
Mar	-1.6	5.9	14.2	-4.8	8.4	3.3	0.7
Apr	-2.2	5.3	15.3	-6.4	7.2	2.0	0.8
May	-2.2	2.4	15.9	-5.9	7.2	1.1	1.9
Jun	-0.2	0.3	12.0	-8.4	6.1	1.8	1.4
Jul	1.5	-	11.5	-9.4	3.1	1.1	-0.2
Aug	2.3	0.7	10.0	-9.4	2.3	1.3	-1.3
Sep	1.0	1.2	7.7	-9.0	-1.3	0.1	-2.4
Oct	0.2	-0.6	5.1	-8.1	-2.9	-0.9	-2.1
Nov	-0.5	-3.0	4.5	-8.9	-4.7	-2.4	-1.9
Dec	-0.1	-6.2	6.3	-8.2	-5.3	-3.6	-2.3
2019 Jan	0.5 †	-5.6 †	4.6	-5.9 †	-7.1 †	-3.9 †	-3.4 †
Feb	2.6	-4.6	4.1 †	-2.2	-7.3	-5.1	-3.6
Mar	4.0	-1.6	4.4	4.8	-8.0	-4.8	-2.2
Apr	4.8	-1.9	6.1	8.7	-7.4	-7.6	-0.9
May	3.9	-	6.5	10.8	-7.4	-7.4	-0.5

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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
Percentage change, latest 3 months on previous 3 months						
2017						
Mar	1.0	4.2	1.1	-1.5	1.7	-10.6
Apr	1.1	3.6	-0.3	-0.6	0.7	-13.0
May	0.3	1.9	0.2	1.9	1.1	-6.6
Jun	-	-1.0	-0.5	1.8	1.0	2.5
Jul	-0.7	-0.8	-0.6	-1.6	0.2	3.7
Aug	-0.2	-0.1	-1.3	-5.1	-	0.7
Sep	-0.4	1.3	-0.5	-6.2	-	-1.8
Oct	-0.1	0.7	0.5	-1.2	0.2	0.6
Nov	0.1	0.7	1.6	1.9	-0.6	2.6
Dec	0.7	0.6	1.8	1.3	-1.9	3.9
2018						
Jan	0.7	0.1	1.3	-3.4	-1.2	2.0
Feb	0.2	-2.5	0.2	-6.1	-0.5	1.0
Mar	0.2	-4.2	-0.6	-5.9	0.9	0.5
Apr	0.4	-3.1	-1.1	-2.6	-0.1	1.0
May	1.0	1.4	-0.6	1.0	-1.0	0.9
Jun	1.0	4.1	0.2	2.9	-0.6	4.2
Jul	1.5	5.2	1.4	2.1	1.2	2.3
Aug	1.4	2.9	0.5	3.5	1.7	0.7
Sep	1.1	1.3	-0.1	4.2	2.0	-5.2
Oct	0.4	-1.4	-1.8	4.9	0.8	-2.8
Nov	-0.3	-2.2	-0.1	1.2	1.5	0.2
Dec	-0.5	-1.9	-0.1	-1.3	0.7	2.8
2019						
Jan	-0.1	-0.2 [†]	1.3	-0.8 [†]	1.9 [†]	2.6 [†]
Feb	1.1 [†]	1.5	-0.3 [†]	2.5	2.7	0.8
Mar	2.6	3.4	0.6	4.1	3.2	5.0
Apr	2.5	5.1	0.3	0.7	-0.3	3.5
May	1.2	4.4	0.4	-3.9	-3.6	2.0

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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 3 months on previous 3 months								
2017	Mar	-0.7	-0.8	-2.3	0.1	4.9	2.6	4.4
	Apr	-0.6	-2.0	-4.0	-0.1	2.7	1.2	2.5
	May	0.5	-1.7	-4.6	-1.3	-1.0	0.3	-0.9
	Jun	-0.2	1.4	2.1	1.6	-1.8	-0.8	-1.3
	Jul	-0.6	1.9	4.5	2.2	-0.2	-0.1	1.1
	Aug	-1.2	1.9	5.6	2.9	1.3	0.1	3.4
	Sep	0.1	0.7	3.0	0.9	5.0	2.4	4.0
	Oct	0.9	2.3	4.6	-1.0	4.9	1.7	1.7
	Nov	2.1	2.9	4.3	0.1	6.1	1.7	0.4
	Dec	1.1	5.2	2.4	-0.2	3.8	0.7	-1.0
2018	Jan	0.1	2.8	2.2	-1.1	4.1	0.5	0.1
	Feb	-2.4	2.1	3.7	-4.3	1.9	1.6	-0.7
	Mar	-2.6	-1.5	6.1	-7.0	1.4	1.0	-0.9
	Apr	-2.7	-1.7	3.3	-6.5	-1.7	-0.2	-2.0
	May	-0.6	-4.4	1.6	-4.6	-2.1	-2.3	-1.2
	Jun	1.2	-3.9	0.1	-2.1	-3.9	-2.3	-0.7
	Jul	3.2	-3.2	1.0	-1.1	-3.9	-0.9	0.1
	Aug	3.2	0.3	0.1	-0.9	-3.4	0.3	0.1
	Sep	1.3	1.6	-0.9	0.1	-2.3	0.7	0.1
	Oct	-0.3	1.6	-1.5	0.5	-1.2	-0.4	-0.2
	Nov	-0.7	-0.9	-0.9	0.7	-1.2	-2.0	-0.2
	Dec	-0.1	-2.5	1.1	0.7	-0.5	-3.1	-0.8
2019	Jan	0.4 [†]	-2.4 [†]	1.7 [†]	1.3 [†]	-0.5 [†]	-2.5 [†]	-1.3 [†]
	Feb	0.6	0.5	3.3	2.8	-0.8	-1.2	-2.4
	Mar	1.4	3.4	4.2	6.2	-1.5	-0.2	-0.8
	Apr	1.5	2.2	4.8	8.0	-2.0	-4.0	0.5
	May	0.7	0.2	3.9	8.0	-2.2	-4.6	2.0

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- [Page 1](#) Output by Broad industry groups and Main industrial groupings
Percentage change, latest year on previous year
Percentage change, latest month on same month a year ago
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Percentage change, latest 3 months on same 3 months a year ago
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- [Page 4](#) Output by Manufacturing sub-sectors part 1
Percentage change, latest year on previous year
Percentage change, latest month on same month a year ago
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Percentage change, latest year on previous year
Percentage change, latest month on same month a year ago
- [Page 6](#) Percentage change, latest month on previous month part 1
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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
2014	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-
2019 Q1	-0.3	-1.1	-0.3	-0.5	0.9	-1.8	0.2	-1.1	-0.6	0.5	-0.5
2018 Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2019 Jan	-0.3	-1.7	-0.4	0.4	0.6	-2.3	-	-1.3	-0.4	0.1	-0.2
Feb	-0.6	-1.2	-0.5	-1.5	0.5	-1.8	-	-1.7	-0.8	0.3	-1.0
Mar	0.1	-0.4	0.1	-0.3	1.7	-1.1	0.6	-0.3	-0.6	1.0	-0.4
Apr	-0.1	-0.8	-0.2	0.1	1.7	-1.8	0.7	-0.7	-0.6	0.4	-0.2
Percentage change, latest year on previous year											
2014	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-	-
Percentage change, latest month on same month a year ago											
2017 Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2019 Jan	-0.3	-1.6	-0.4	0.4	0.6	-2.3	-	-1.3	-0.3	0.1	-0.2
Feb	-0.6	-1.2	-0.6	-1.4	0.5	-1.8	-	-1.7	-0.7	0.3	-1.0
Mar	0.1	-0.4	0.1	-0.3	1.6	-1.1	0.5	-0.3	-0.5	1.0	-0.4
Apr	-0.1	-0.8	-0.2	0.1	1.7	-1.6	0.7	-0.7	-0.5	0.5	-0.3

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	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											
2017	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2019	Jan	-0.3	-1.7	-0.4	0.4	0.6	-2.2	-0.1	-1.4	-0.4	0.1
	Feb	-0.3	0.5	-0.1	-1.9	-	0.6	-	-0.4	-0.4	0.1
	Mar	0.7	0.8	0.7	1.2	1.0	0.8	0.6	1.5	0.2	0.8
	Apr	-0.2	-0.4	-0.3	0.5	0.1	-0.7	0.1	-0.4	-	-0.6
Percentage change, latest 3 months on same 3 months a year ago											
2017	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2019	Jan	-0.1	-0.5	-0.2	0.1	0.1	-0.8	-	-0.4	-0.1	-
	Feb	-0.3	-1.0	-0.3	-0.4	0.3	-1.5	-	-1.1	-0.3	0.1
	Mar	-0.3	-1.1	-0.3	-0.4	0.9	-1.8	0.2	-1.1	-0.5	0.5
	Apr	-0.2	-0.8	-0.2	-0.6	1.2	-1.5	0.4	-1.0	-0.5	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

		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	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											
2017	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2019	Jan	-0.1	-0.5	-0.2	0.1	0.2	-0.7	-	-0.5	-0.2	-
	Feb	-0.3	-0.9	-0.3	-0.4	0.4	-1.3	-	-1.0	-0.4	0.1
	Mar	-0.3	-1.1	-0.3	-0.5	0.9	-1.6	0.2	-1.1	-0.5	0.4
	Apr	-0.1	-0.2	-0.1	-0.7	1.0	-0.7	0.4	-0.4	-0.5	0.5

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

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

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
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-
2017	-	-	-	-	-	-
2018	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-
2018 Q2	-	-	-	-	-	-
2018 Q3	-	-	-	-	-	-
2018 Q4	-	-	-	-	-	-
2019 Q1	-0.1	0.7	0.3	3.9	-0.2	-4.4
2018 Feb	-	-	-	-	-	-
2018 Mar	-	-	-	-	-	-
2018 Apr	-	-	-	-	-	-
2018 May	-	-	-	-	-	-
2018 Jun	-	-	-	-	-	-
2018 Jul	-	-	-	-	-	-
2018 Aug	-	-	-	-	-	-
2018 Sep	-	-	-	-	-	-
2018 Oct	-	-	-	-	-	-
2018 Nov	-	-	-	-	-	-
2018 Dec	-	-	-	-	-	-
2019 Jan	-0.1	-0.3	0.1	3.7	0.5	-4.7
2019 Feb	-0.3	0.5	0.2	6.5	-0.2	-6.1
2019 Mar	0.2	1.8	0.4	1.2	-0.9	-2.4
2019 Apr	-0.3	2.4	-0.6	2.5	-1.7	-2.4
Percentage change, latest year on previous year						
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-
2017	-	-	-	-	-	-
2018	-	-	-	-	-	-
Percentage change, latest month on same month a year ago						
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	-	-	-	-	-	-
2018 Jul	-	-	-	-	-	-
2018 Aug	-	-	-	-	-	-
2018 Sep	-	-	-	-	-	-
2018 Oct	-	-	-	-	-	-
2018 Nov	-	-	-	-	-	-
2018 Dec	-	-	-	-	-	-
2019 Jan	-0.1	-0.3	0.1	3.9	0.4	-4.9
2019 Feb	-0.3	0.5	0.3	7.1	-0.1	-6.1
2019 Mar	0.2	1.7	0.4	1.4	-0.9	-2.5
2019 Apr	-0.4	2.4	-0.5	2.6	-1.7	-2.4

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	59.7	84.4	33.6	23.5	44.9	107.6	64.0
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-
2018 Q2	-	-	-	-	-	-	-
2018 Q3	-	-	-	-	-	-	-
2018 Q4	-	-	-	-	-	-	-
2019 Q1	1.1	0.2	0.2	2.3	-1.1	-1.2	0.3
2018 Feb	-	-	-	-	-	-	-
2018 Mar	-	-	-	-	-	-	-
2018 Apr	-	-	-	-	-	-	-
2018 May	-	-	-	-	-	-	-
2018 Jun	-	-	-	-	-	-	-
2018 Jul	-	-	-	-	-	-	-
2018 Aug	-	-	-	-	-	-	-
2018 Sep	-	-	-	-	-	-	-
2018 Oct	-	-	-	-	-	-	-
2018 Nov	-	-	-	-	-	-	-
2018 Dec	-	-	-	-	-	-	-
2019 Jan	0.2	0.2	-	-0.1	-1.2	-0.7	0.5
2019 Feb	1.0	-0.1	-0.1	0.5	-1.2	-1.3	0.1
2019 Mar	2.0	0.4	0.8	6.8	-1.2	-1.5	0.2
2019 Apr	1.2	0.4	1.0	4.1	-1.3	-1.8	0.5
Percentage change, latest year on previous year							
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-
Percentage change, latest month on same month a year ago							
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	-	-	-	-	-	-	-
2018 Jul	-	-	-	-	-	-	-
2018 Aug	-	-	-	-	-	-	-
2018 Sep	-	-	-	-	-	-	-
2018 Oct	-	-	-	-	-	-	-
2018 Nov	-	-	-	-	-	-	-
2018 Dec	-	-	-	-	-	-	-
2019 Jan	0.2	0.2	-0.1	-0.1	-1.0	-0.7	0.5
2019 Feb	1.1	-	-0.1	0.5	-1.0	-1.2	0.1
2019 Mar	2.1	0.4	0.7	7.1	-1.0	-1.4	0.2
2019 Apr	1.2	0.4	0.9	4.3	-1.1	-1.7	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.

IOP5R

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 month on previous month

2017	Feb	-	-	-	-	-	
	Mar	-	-	-	-	-	
	Apr	-	-	-	-	-	
	May	-	-	-	-	-	
	Jun	-	-	-	-	-	
	Jul	-	-	-	-	-	
	Aug	-	-	-	-	-	
	Sep	-	-	-	-	-	
	Oct	-	-	-	-	-	
	Nov	-	-	-	-	-	
	Dec	-	-	-	-	-	
2018	Jan	-	-	-	-	-	
	Feb	-	-	-	-	-	
	Mar	-	-	-	-	-	
	Apr	-	-	-	-	-	
	May	-	-	-	-	-	
	Jun	-	-	-	-	-	
	Jul	-	-	-	-	-	
	Aug	-	-	-	-	-	
	Sep	-	-	-	-	-	
	Oct	-	-	-	-	-	
	Nov	-	-	-	-	-	
	Dec	-	-	-	-	-	
2019	Jan	-0.1	-0.3	0.1	3.8	0.4	-4.9
	Feb	-0.2	0.8	0.1	2.7	-0.6	-1.2
	Mar	0.5	1.2	0.2	-4.9	-0.7	3.9
	Apr	-0.5	0.7	-1.0	1.4	-0.8	-0.2

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

2017	Feb	-	-	-	-	-	
	Mar	-	-	-	-	-	
	Apr	-	-	-	-	-	
	May	-	-	-	-	-	
	Jun	-	-	-	-	-	
	Jul	-	-	-	-	-	
	Aug	-	-	-	-	-	
	Sep	-	-	-	-	-	
	Oct	-	-	-	-	-	
	Nov	-	-	-	-	-	
	Dec	-	-	-	-	-	
2018	Jan	-	-	-	-	-	
	Feb	-	-	-	-	-	
	Mar	-	-	-	-	-	
	Apr	-	-	-	-	-	
	May	-	-	-	-	-	
	Jun	-	-	-	-	-	
	Jul	-	-	-	-	-	
	Aug	-	-	-	-	-	
	Sep	-	-	-	-	-	
	Oct	-	-	-	-	-	
	Nov	-	-	-	-	-	
	Dec	-	-	-	-	-	
2019	Jan	-	-0.1	0.1	1.3	0.1	-1.7
	Feb	-0.1	0.1	0.1	3.6	0.1	-3.7
	Mar	-0.1	0.7	0.2	4.1	-0.1	-4.5
	Apr	-0.1	1.6	-	3.6	-0.9	-3.7

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.

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†

2017	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2019	Jan	0.2	0.2	-0.1	-0.1	-1.1	-0.7	0.5
	Feb	0.8	-0.2	-	0.6	-	-0.5	-0.4
	Mar	1.0	0.5	0.8	6.4	-	-0.2	0.1
	Apr	-0.7	-	0.1	-2.7	-0.1	-0.4	0.2

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

2017	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2019	Jan	0.1	0.1	-	-0.1	-0.3	-0.2	0.2
	Feb	0.5	-	-0.1	0.1	-0.7	-0.7	0.2
	Mar	1.2	0.2	0.2	2.5	-1.0	-1.1	0.3
	Apr	1.4	0.2	0.5	3.9	-1.0	-1.4	0.3

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IOP5R

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

2017	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2019	Jan	-	-0.1	-	1.3	0.1	-1.6
	Feb	-0.2	-	0.1	3.4	0.1	-3.6
	Mar	-0.1	0.6	0.2	3.9	-0.2	-4.4
	Apr	-0.1	1.7	-	2.2	-1.1	-2.0

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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.

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							
2017	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2019	Jan	0.1	0.1	-0.1	-0.1	-0.4	-0.2
	Feb	0.4	0.1	-	0.1	-0.7	-0.6
	Mar	1.0	0.2	0.2	2.4	-1.1	-1.1
	Apr	1.3	0.1	0.6	3.9	-0.8	-1.3

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