

Statistical bulletin

# Index of Production, UK: August 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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Release date:  
10 October 2018

Next release:  
9 November 2018

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# 1 . Main points

- The rise of 0.7% in total production output for the three months to August 2018, compared with the three months to May 2018, is due primarily to a rise of 0.8% in manufacturing, which displays widespread strength throughout the sector with 10 of the 13 sub-sectors increasing.
- The three-monthly increase in manufacturing output is due primarily to strength from pharmaceutical products (3.3%), food, beverages and tobacco (1.5%), and rubber and plastic products (2.1%).
- In August 2018, total production output was estimated to have increased by 0.2% compared with July 2018, due primarily to rises in electricity and gas supply of 1.8% and mining and quarrying of 2.1%.
- The monthly decrease in manufacturing output of 0.2% was due mainly to falls of 2.3% in chemicals and chemical products, and 1.7% in wood and paper products; 7 of the 13 manufacturing sub-sectors decreased.
- In the three months to August 2018, total production output increased by 1.0% compared with the same three months to August 2017, due primarily to a rise in manufacturing of 1.5%.

## 2 . Things you need to know about this release

This August 2018 release contains revisions from January 2017 to June 2018, which is consistent with those published in the [Quarterly national accounts](#) on 28 September 2018. This revised data now includes Value Added Tax (VAT) data for the first time in Quarter 1 (Jan to Mar) 2018. In addition, this release also contains revisions to July 2018 and is consistent with the [National Accounts Revisions Policy](#).

On 11 October 2018, we will publish an article on the future use of VAT as part of the economic review, which will consider the strategic collection model for administrative and survey data for short-term indicators, including the Index of Production.

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](#).

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 5.7% and 1.5% lower, respectively, in the three months to August 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 August 2018, UK

Economic downturn

## Figure 1: Index of Production in UK

Seasonally adjusted, January 2008 to August 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 August 2018, UK

Economic downturn

**Figure 2: Index of Manufacturing in UK**

Seasonally adjusted, January 2008 to August 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 shows the growth rates and contributions for the IoP and sectors for August 2018.



**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, August 2018, UK**

		Three months on previous three months		Three months on previous three months a year ago		Month on previous month	
Sector	Summary Description	Growth (%)	Contribution to production (% points)	Growth (%)	Contribution to production (% points)	Growth (%)	Contribution to production (% points)
IoP	Index of Production	0.7	0.70	1.0	1.02	0.2	0.24
Sector B	Total Mining and Quarrying	1.8	0.13	-0.6	-0.05	2.1	0.15
5	Coal and Lignite	-14.8	-0.01	-16.7	-0.01	7.4	0.00
6	Crude petroleum and Natural gas	0.9	0.05	-1.2	-0.06	2.6	0.13
789	Other mining and quarrying	4.1	0.09	0.9	0.02	0.9	0.02
Sector C	Total Manufacturing	0.8	0.57	1.5	1.09	-0.2	-0.18
CA	Food, beverages and tobacco	1.5	0.16	2.7	0.30	0.2	0.02
CB	Textiles and leather products	1.2	0.03	-2.0	-0.06	0.8	0.02
CC	Wood, paper and printing	1.0	0.05	1.1	0.06	-1.7	-0.09
CD	Coke and petroleum	-1.6	-0.01	-5.8	-0.06	1.0	0.01
CE	Chemical products	0.6	0.03	-1.9	-0.09	-2.3	-0.11
CF	Pharmaceutical products	3.3	0.17	5.9	0.30	-1.0	-0.05
CG	Rubber and plastic products	2.1	0.12	0.8	0.04	0.1	0.01
CH	Metal products	0.8	0.07	0.9	0.07	0.8	0.07
CI	Computer, electronic and optical	0.6	0.03	14.0	0.49	-0.1	0.00
CJ	Electrical equipment	-2.5	-0.06	-7.6	-0.18	-1.0	-0.02
CK	Machinery and equipment	-2.8	-0.14	5.1	0.24	-1.4	-0.07
CL	Transport equipment	0.5	0.05	-0.2	-0.02	0.7	0.08
CM	Other manufacturing and repair	1.0	0.07	0.1	0.01	-0.7	-0.04
Sector D	Total Electricity and Gas	-1.7	-0.20	-1.4	-0.17	1.8	0.22
35.1	Electric power generation, transmission and distribution	-0.5	-0.04	-0.8	-0.07	1.8	0.15
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	-4.6	-0.16	-3.1	-0.11	2.0	0.07
Sector E	Total Water	2.6	0.19	1.9	0.14	0.6	0.05
36	Water collection, treatment and supply	1.3	0.03	0.1	0.00	0.8	0.02
37	Sewerage	2.8	0.06	1.6	0.03	1.2	0.03

38	Waste collection, treatment and disposal activities; materials recovery	3.4	0.10	3.5	0.10	0.1	0.00
39	Remediation activities and other waste management services	6.0	0.00	0.9	0.00	2.8	0.00

Source: Office for National Statistics

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

Total production output for the latest three months to August 2018, compared with the three months to May 2018, increased by 0.7%. This is the strongest three-monthly growth since November 2017, when output rose by 1.1%. The current three-monthly growth is due primarily to:

- rises in three of the four main sectors
- a 0.8% increase in manufacturing output
- an increase of 2.6% in water supply and sewerage, due to broad-based strength throughout the sector

The strength in manufacturing is broad-based, with 10 of the 13 sub-sectors increasing, led by pharmaceutical products, which increased by 3.3%. This was the third consecutive rise within this sub-sector, due mainly to strength during June 2018, although it should be noted that growth within this sub-sector can be volatile.

Providing supporting growth is food, beverages and tobacco, which rose by 1.5%, due primarily to continued strength from alcoholic beverages (2.1%); soft drinks, mineral waters and bottled water (5.6%); and processing of fish, fruit and vegetables (3.7%). The sustained period of warm weather, especially during June and July 2018, is a factor behind increased output in all three sub-industries.

Rubber and plastic products rose by 2.1% and this increase is due to broad-based strength throughout the sub-sector. The largest contribution to the increase came from the sub-industry cement, lime, plaster and articles of concrete, which rose by 6.6%, due primarily to weakness during the three months to May 2018.

In contrast, and providing the largest fall in three-monthly manufacturing output, is machinery and equipment not elsewhere classified, which fell by 2.8%. As highlighted in last month's release, weakness within this sub-sector is due to a [stronger impact during the three months to May 2018 from infrastructure projects](#).

Despite recent signs of a recovery in manufacturing output, following two consecutive periods of three-monthly growth during July and August 2018, recent strength is due, in part, to the three-monthly weakness to May 2018, driven primarily by a weak April 2018, when output fell by 0.8%. This in turn further strengthens the current three-monthly growth, where the index level during June, July and August 2018 remains comparatively flat (Figure 3).

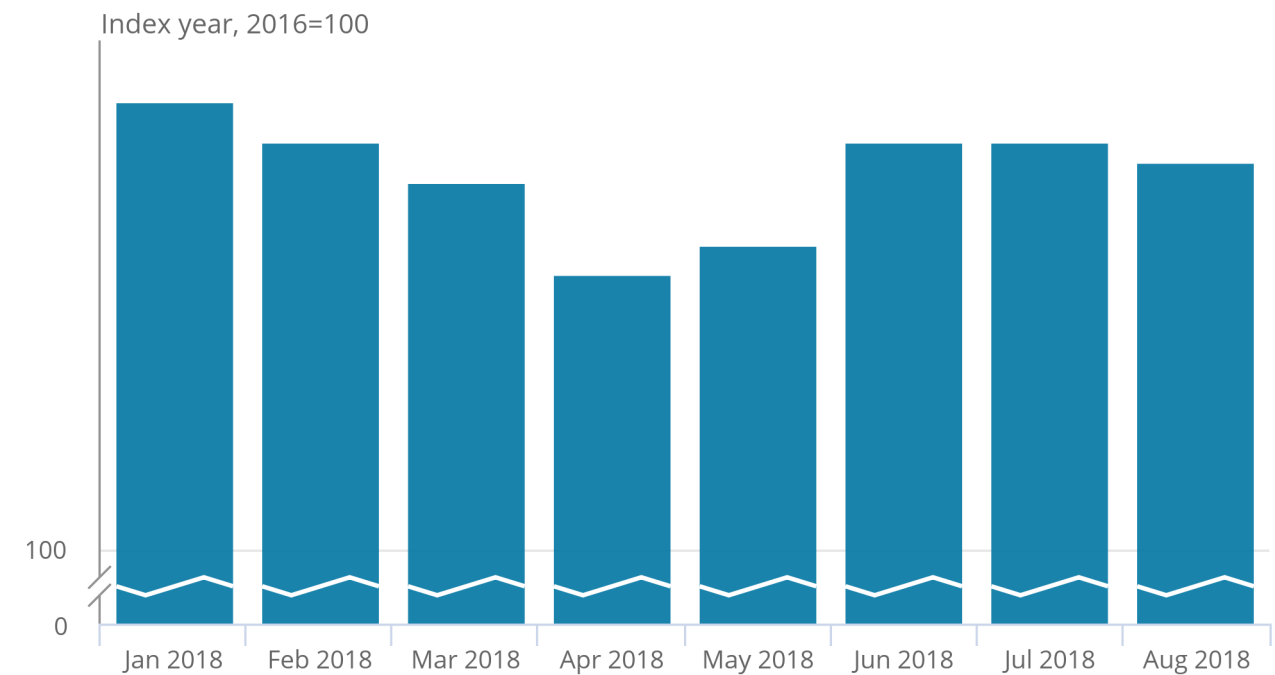


**Figure 3: Index of Manufacturing in UK**

Seasonally Adjusted, January 2018 to August 2018

**Figure 3: Index of Manufacturing in UK**

Seasonally Adjusted, January 2018 to August 2018



Source: Monthly Business Survey - Office for National Statistics

The fall of 1.7% in electricity and gas supply partially offsets the overall rise in total production output. This is due primarily to a decrease of 4.6% in gas supply, with demand driven down by the warmer than average temperatures impacting June and July 2018 in particular, as reported by the [Met Office](#). This is the fourth consecutive three-monthly fall in this sub-industry.

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

Monthly total production output has risen by 0.2% in August 2018 and this is the third consecutive increase, following growth of 0.4% in July 2018 and 0.9% during June 2018. The increase this month is due primarily to:

- rises in three of the four main sectors
- increases from electricity and gas supply of 1.8% and mining and quarrying of 2.1%

The strength within electricity and gas supply is driven by increased demand due mainly to a fall in temperature of 2.0 degrees Celsius between July and August 2018. The Met Office reported that the [provisional UK mean temperature during August 2018 was 15.3 degrees Celsius; that is](#), 2.2 degrees Celsius above the long-term average, compared with July 2018, where the mean temperature was 17.3 degrees Celsius, 0.3 degrees above the long-term average.

Mining and quarrying rose by 2.1%. Strength came from an increase of 2.6% in oil and gas extraction, despite limited maintenance and outages in August 2018. However, due to a stronger negative impact from maintenance during August 2017, this resulted in a seasonally adjusted increase in output.

In contrast, the overall fall in manufacturing of 0.2% is driven by a decrease of 2.3% within chemical products. This is followed by wood, paper products and printing, which fell by 1.7%. Seven of the 13 sub-sectors decreased on the month, highlighting a mixed picture for manufacturing this month.

Partially offsetting the overall weakness in manufacturing output is a rise of 0.7% within transport equipment, due mainly to a 1.1% increase within motor vehicles, trailers and semi-trailers. However, the Society of Motor Manufacturers and Traders (SMMT) reported that [UK car production declined in August 2018](#) and it was likely that slowed output was in preparation for September's important new emissions standards.

In contrast, exports remain relatively stable with the number of cars built for export remaining at a high level, which underpins the overall increase within this sub-industry. Over a longer time period, nominal export turnover growth for motor vehicles, trailers and semi-trailers for the three months to August 2018 increased by 10.5%, compared with the same three months to August 2017.

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

Total production output for the three months to August 2018 has increased by 1.0%, compared with the same three months to August 2017. Overall strength is due primarily to:

- rises in two of the four main sectors
- an increase of 1.5% for total manufacturing output
- [a non-seasonally adjusted increase of 1.5% for total manufacturing output](#); supported by an increase in nominal total manufacturing export and domestic growth of 6.8% and 0.8% respectively, published today (10th October 2018) in our [Monthly Business Survey turnover in production industries](#) dataset alongside this release

The strength within manufacturing output although broad-based, with 8 of the 13 sub-sectors increasing, is primarily driven by continued strength within: computer, electronic and optical products (14.0%); basic pharmaceutical products (5.9%); food products, beverages and tobacco (2.7%); and machinery and equipment not elsewhere classified (5.1%).

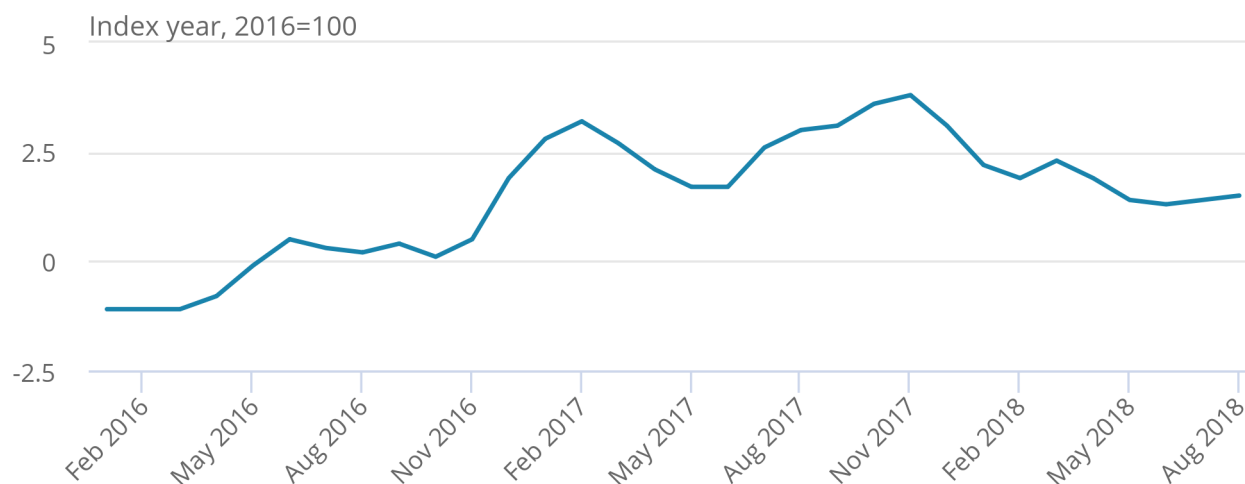
Despite the three months on three months a year ago rate for manufacturing output displaying growth for the 27th consecutive period, since a 0.1% fall in May 2016, it is helpful to understand the longer-term trend (Figure 4).

## Figure 4: Index of Manufacturing three months on three months a year ago growth, UK

Seasonally Adjusted, January 2016 to August 2018

### Figure 4: Index of Manufacturing three months on three months a year ago growth, UK

Seasonally Adjusted, January 2016 to August 2018



Source: Monthly Business Survey - Office for National Statistics

Despite overall strength since the beginning of 2016, where growth peaked in November 2017 at 3.8%, output has since slowed but has stabilised over recent months.

Partially offsetting overall total production growth are falls in mining and quarrying of 0.6% and electricity and gas supply of 1.4%. Within electricity and gas supply, the fall of 3.1% from gas distribution and supply is due primarily to reduced demand, due to higher temperatures for June and 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 October 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 added<sup>1</sup>

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	
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	102.0 †	100.6 †	102.6 †	98.3	103.0 †	99.3 †	103.0 †	98.9 †	106.5 †	102.3	98.9	
2017 Q2	101.5 †	102.1 †	101.9 †	97.6 †	102.9 †	100.9 †	102.5 †	99.3 †	104.7 †	101.8 †	99.1	
Q3	102.4	102.3	102.8	99.8	102.3	101.4	102.7	98.4	107.7	102.3	100.1	
Q4	102.9	97.8	104.1	99.1	103.0	95.2	105.2	99.3	109.2	103.8	98.2	
2018 Q1	103.1	100.3	104.0	100.2	101.7	99.7	111.2	99.3	110.5	102.1	99.8	
Q2	102.2	101.0	103.3	96.9	102.5	99.9	113.8	100.7	108.6	100.9	97.7	
2017 Jun	102.0 †	105.7 †	102.2 †	97.8 †	102.9 †	106.2 †	106.0 †	99.7 †	105.3 †	101.7 †	100.7	
Jul	102.1	101.8	102.5	99.3	102.4	100.1	100.7	98.2	107.7	102.1	99.4	
Aug	102.0	101.4	102.4	99.6	102.1	100.4	102.9	98.8	106.9	101.7	99.7	
Sep	103.0	103.6	103.5	100.3	102.2	103.7	104.4	98.4	108.6	103.1	101.1	
Oct	103.2	105.5	104.0	97.2	103.1	106.4	103.8	99.0	109.3	103.5	100.0	
Nov	103.3	103.8	104.1	99.2	102.6	103.4	104.9	99.8	108.5	104.1	100.1	
Dec	102.3	84.0	104.3	100.9	103.3	75.8	106.9	99.1	109.8	103.8	94.4	
2018 Jan	103.1	102.6	104.4	97.4	101.0	102.3	109.5	99.2	110.6	103.3	98.5	
Feb	103.2	100.6	104.0	100.7	101.7	99.7	110.8	100.1	110.4	101.8	100.1	
Mar	103.0	97.7	103.6	102.6	102.3	97.2	113.2	98.6	110.6	101.3	100.7	
Apr	102.3	104.6	102.7	99.6	100.8	106.1	113.0	99.3	108.3	100.4	100.9	
May	101.7	99.1	103.0	95.4	102.1	97.0	114.9	100.4	108.7	100.6	95.9	
Jun	102.7	99.2	104.0	95.8	104.5	96.5	113.4	102.4	108.9	101.6	96.2	
Jul	103.1	102.8	104.0	97.5	104.1	102.0	114.7	101.2	109.3	102.1	98.7	
Aug	103.4	104.9	103.8	99.3	104.8	104.6	113.8	100.5	109.1	102.3	100.5	
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	2.0 †	0.6 †	2.6 †	-1.7	3.0 †	-0.7 †	3.0 †	-1.1 †	6.5 †	2.3	-1.1	
Percentage change, latest month on same month a year ago												
2016 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	3.2 †	4.2 †	2.4 †	5.3 †	5.8 †	5.7 †	4.9 †	0.2 †	6.0	0.8 †	4.7	
Feb	2.4	0.8	2.7	-1.3	6.7	-0.4	5.6	-3.5	9.3 †	1.7	-0.7	
Mar	1.8	2.6	2.8	-7.6	6.6	1.7	1.0	-0.5	5.6	2.7	-3.5	
Apr	-0.4	0.2	0.6	-8.7	3.7	-2.6	-1.9	-4.0	3.4	1.8	-4.9	
May	1.2	1.8	1.8	-2.7	1.2	0.6	1.5	-2.0	5.2	1.9	-1.0	
Jun	2.0	3.9	2.7	-2.9	2.3	4.0	9.0	0.5	4.2	3.2	-0.2	
Jul	2.0	-6.4	3.5	-0.2	1.5	-10.4	-0.1	0.4	7.8	3.0	-3.7	
Aug	1.9	-3.4	2.8	0.6	1.5	-5.8	2.7	0.3	6.2	2.1	-1.5	
Sep	2.9	1.9	3.1	3.4	1.9	1.8	4.3	-1.1	7.1	3.0	2.1	
Oct	4.5	13.1	5.0	-2.2	2.4	17.3	1.8	1.7	9.8	3.7	2.9	
Nov	2.3	4.5	3.4	-4.8	1.1	4.8	4.2	-0.5	8.2	2.9	-2.4	
Dec	-	-14.5	1.0	1.9	1.9	-22.6	3.5	-3.9	5.5	0.8	-4.7	
2018 Jan	1.2	2.6	2.3	-3.7	-2.3	2.9	6.5	-0.6	6.0	1.6	-2.2	
Feb	2.1	1.2	2.4	3.8	-2.2	1.6	6.9	2.6	4.9	0.6	2.2	
Mar	2.5	-3.8	2.2	11.1	-2.0	-3.8	14.4	-0.2	6.4	0.1	5.1	
Apr	1.4	5.2	1.0	3.5	-2.1	9.6	13.7	0.1	4.4	-1.5	4.0	
May	0.2	-1.9	1.1	-3.4	-0.7	-2.7	12.6	1.4	3.6	-1.0	-3.7	
Jun	0.7	-6.1	1.8	-2.0	1.6	-9.1	7.0	2.8	3.3	-0.1	-4.4	
Jul	1.0	1.0	1.4	-1.8	1.7	1.9	14.0	3.1	1.5	-	-0.7	
Aug	1.3	3.5	1.3	-0.4	2.6	4.2	10.6	1.7	2.1	0.6	0.8	

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

continued

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	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	-0.4 <sup>†</sup>	1.7 <sup>†</sup>	-1.2 <sup>†</sup>	2.1 <sup>†</sup>	2.1 <sup>†</sup>	1.6 <sup>†</sup>	-0.4 <sup>†</sup>	-3.2 <sup>†</sup>	0.3	-1.3 <sup>†</sup>	1.6 <sup>†</sup>
	Feb	-0.8	-0.6	-0.5	-4.0	0.6	-1.4	0.8	-2.3	1.0 <sup>†</sup>	-0.5	-2.8
	Mar	-0.5	2.2	-0.2	-4.8	0.4	3.0	-4.6	1.3	-1.3	-	-2.2
	Apr	0.4	-2.1	0.3	4.2	-1.4	-4.2	0.5	0.4	-0.1	0.8	1.3
	May	0.6	1.7	0.2	2.6	-0.1	3.0	2.6	-0.2	1.1	-0.3	2.6
	Jun	0.4	4.5	0.3	-0.9	-	6.5	3.9	0.6	0.4	-	1.1
	Jul	0.1	-3.7	0.3	1.6	-0.4	-5.7	-5.0	-1.5	2.2	0.4	-1.3
	Aug	-0.1	-0.4	-0.1	0.3	-0.3	0.3	2.2	0.6	-0.7	-0.4	0.3
	Sep	1.0	2.2	1.0	0.6	0.1	3.3	1.5	-0.3	1.6	1.4	1.4
	Oct	0.2	1.8	0.5	-3.1	0.9	2.6	-0.6	0.6	0.7	0.3	-1.1
	Nov	0.1	-1.6	0.1	2.0	-0.5	-2.8	1.0	0.7	-0.8	0.6	0.1
	Dec	-1.0	-19.0	0.2	1.7	0.7	-26.7	1.9	-0.6	1.2	-0.3	-5.6
2018	Jan	0.8	22.1	0.1	-3.5	-2.2	35.0	2.5	0.1	0.7	-0.4	4.3
	Feb	-	-2.0	-0.4	3.4	0.7	-2.6	1.2	0.9	-0.1	-1.5	1.5
	Mar	-0.2	-2.9	-0.4	1.9	0.6	-2.6	2.1	-1.5	0.2	-0.5	0.7
	Apr	-0.6	7.1	-0.9	-3.0	-1.5	9.2	-0.1	0.7	-2.0	-0.8	0.2
	May	-0.6	-5.3	0.3	-4.2	1.3	-8.6	1.6	1.1	0.4	0.2	-4.9
	Jun	0.9	-	1.0	0.5	2.3	-0.6	-1.3	2.0	0.1	1.0	0.3
	Jul	0.4	3.7	-	1.7	-0.3	5.7	1.2	-1.2	0.4	0.5	2.5
	Aug	0.2	2.1	-0.2	1.8	0.6	2.6	-0.8	-0.8	-0.1	0.2	1.9
Percentage change, latest 3 months on same 3 months a year ago <sup>2</sup>												
2016	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	1.1 <sup>†</sup>	2.8	7.5 <sup>†</sup>	5.5 <sup>†</sup>	2.9 <sup>†</sup>	3.8 <sup>†</sup>	1.3 <sup>†</sup>	5.0	2.0	4.7 <sup>†</sup>
	Feb	3.3	1.7	3.2 <sup>†</sup>	4.1	5.5	2.5	5.0	-0.1	7.0	2.3 <sup>†</sup>	2.9
	Mar	2.4 <sup>†</sup>	2.5	2.7	-1.3	6.4	2.3	3.8	-1.2	7.0 <sup>†</sup>	1.7	0.1
	Apr	1.2	1.2	2.1	-5.9	5.6	-0.4	1.5	-2.7	6.1	2.1	-3.1
	May	0.9	1.5	1.7	-6.4	3.8	-0.1	0.2	-2.2	4.7	2.1	-3.2
	Jun	0.9	2.0	1.7	-4.8	2.4	0.7	2.8	-1.9	4.3	2.3	-2.0
	Jul	1.7	-0.4	2.6	-2.0	1.7	-2.2	3.4	-0.4	5.7	2.7	-1.6
	Aug	2.0	-2.1	3.0	-0.8	1.8	-4.3	3.8	0.4	6.1	2.7	-1.8
	Sep	2.3	-2.7	3.1	1.2	1.6	-5.0	2.3	-0.1	7.0	2.7	-1.1
	Oct	3.1	3.5	3.6	0.6	1.9	3.8	2.9	0.3	7.7	2.9	1.1
	Nov	3.2	6.3	3.8	-1.3	1.8	7.7	3.4	-	8.4	3.2	0.8
	Dec	2.2	0.8	3.1	-1.8	1.8	-0.6	3.2	-1.0	7.8	2.5	-1.5
2018	Jan	1.2	-2.4	2.2	-2.3	0.2	-4.9	4.7	-1.7	6.6	1.8	-3.1
	Feb	1.1	-3.5	1.9	0.6	-0.9	-6.0	5.6	-0.7	5.5	1.0	-1.6
	Mar	2.0	-	2.3	3.5	-2.2	0.2	9.2	0.6	5.8	0.8	1.6
	Apr	2.0	0.8	1.9	6.1	-2.1	2.4	11.6	0.8	5.2	-0.3	3.8
	May	1.4	-0.2	1.4	3.6	-1.6	0.9	13.5	0.4	4.8	-0.8	1.7
	Jun	0.8	-1.1	1.3	-0.7	-0.4	-1.0	11.0	1.4	3.8	-0.9	-1.4
	Jul	0.6	-2.4	1.4	-2.4	0.8	-3.4	11.1	2.4	2.8	-0.4	-2.9
	Aug	1.0	-0.6	1.5	-1.4	1.9	-1.2	10.5	2.5	2.3	0.2	-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.

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

# IOP5 Output of the Production Industries

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

continued

Seasonally adjusted 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 months <sup>2</sup>												
2016	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	2.1 <sup>†</sup>	-0.8 <sup>†</sup>	2.3 <sup>†</sup>	3.0 <sup>†</sup>	1.5 <sup>†</sup>	-1.0 <sup>†</sup>	1.5 <sup>†</sup>	2.7 <sup>†</sup>	2.3	2.1 <sup>†</sup>	1.7
	Feb	1.7	1.2	2.3	-1.2	2.1	1.5	2.4	1.1	4.1	1.6	-0.3 <sup>†</sup>
	Mar	0.4	3.5	0.7	-4.0	2.8	3.9	-0.1	-1.5	3.2 <sup>†</sup>	0.1	-1.5
	Apr	-0.9	0.9	-0.4	-6.2	1.7	-0.1	-1.5	-2.5	1.4	-0.5	-3.8
	May	-0.7	1.5	-0.6	-3.3	0.5	0.7	-3.0	-1.2	-0.3	-0.3	-1.8
	Jun	0.3	1.8	0.3	0.8	-1.0	1.4	0.7	0.6	0.2	0.4	1.0
	Jul	1.0	2.7	0.7	3.6	-1.1	3.4	2.2	0.4	1.6	0.4	3.0
	Aug	1.0	2.2	0.7	3.3	-0.9	3.1	3.1	-0.2	2.3	0.2	2.5
	Sep	0.9	0.2	0.9	2.2	-0.6	0.5	0.2	-0.9	2.9	0.5	0.9
	Oct	0.9	0.6	1.1	0.4	-0.2	1.5	0.8	-0.2	2.2	0.9	0.4
	Nov	1.1	1.3	1.4	-	0.2	2.2	1.2	0.2	2.0	1.7	0.5
	Dec	0.6	-4.4	1.3	-0.7	0.7	-6.1	2.5	0.9	1.4	1.4	-1.9
2018	Jan	0.2	-6.5	0.9	0.1	-0.2	-9.3	3.3	0.6	1.2	1.0	-2.6
	Feb	-0.3	-8.2	0.4	0.8	-0.6	-11.4	4.5	0.4	1.3	-0.5	-2.7
	Mar	0.1	2.6	-0.1	1.2	-1.3	4.8	5.7	-	1.2	-1.6	1.6
	Apr	-0.1	4.3	-0.8	1.8	-0.7	7.6	4.9	-	0.2	-2.5	3.0
	May	-0.5	5.0	-1.1	-0.5	-0.2	8.1	4.2	-	-0.9	-2.1	1.6
	Jun	-0.8	0.7	-0.7	-3.3	0.8	0.1	2.3	1.4	-1.7	-1.2	-2.1
	Jul	-0.3	-0.6	0.2	-4.7	1.9	-2.5	1.8	2.0	-0.7	0.3	-3.6
	Aug	0.7	1.8	0.8	-1.7	2.6	0.9	0.3	2.0	-0.1	1.2	-0.7

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

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

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

# IOP5 Output of the Production Industries

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

continued

Seasonally adjusted 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	101.0 <sup>†</sup>	102.8 <sup>†</sup>	102.2 <sup>†</sup>	101.3	102.4 <sup>†</sup>	94.6 <sup>†</sup>
2017 Q2	101.1 <sup>†</sup>	102.7 <sup>†</sup>	102.0 <sup>†</sup>	104.3 <sup>†</sup>	103.2 <sup>†</sup>	95.0 <sup>†</sup>
Q3	100.8	102.6	101.5	98.8	103.2	93.8
Q4	101.3	102.9	102.9	99.6	101.2	96.7
2018 Q1	101.8	99.4	101.9	93.3	101.8	96.2
Q2	102.7	99.9	101.3	94.5	100.4	100.3
2017 Jun	101.1 <sup>†</sup>	102.4 <sup>†</sup>	101.8 <sup>†</sup>	104.8 <sup>†</sup>	103.3 <sup>†</sup>	96.2 <sup>†</sup>
Jul	101.2	104.1	100.7	94.7	102.3	92.0
Aug	101.1	102.3	101.3	98.5	103.1	94.4
Sep	100.0	101.3	102.5	103.3	104.0	95.1
Oct	101.2	101.6	102.3	102.4	100.8	97.1
Nov	101.9	103.2	103.4	98.4	102.3	97.1
Dec	100.7	103.9	103.0	98.1	100.4	96.0
2018 Jan	101.8	101.2	102.6	94.2	101.1	95.8
Feb	101.6	97.9	101.4	91.1	103.1	98.8
Mar	102.1	99.3	101.8	94.7	101.0	93.9
Apr	102.2	99.0	100.7	97.3	99.4	96.8
May	102.8	100.6	101.8	93.2	100.5	99.0
Jun	103.2	100.1	101.5	92.9	101.2	105.2
Jul	104.1	100.8	103.7	93.4	102.0	97.4
Aug	104.4	101.6	102.0	94.3	99.7	96.5
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	1.0 <sup>†</sup>	2.8 <sup>†</sup>	2.2 <sup>†</sup>	1.3	2.4 <sup>†</sup>	-5.4 <sup>†</sup>
Percentage change, latest month on same month a year ago						
2016 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	0.8 <sup>†</sup>	-6.7 <sup>†</sup>	2.7 <sup>†</sup>	-2.0	1.4 <sup>†</sup>	4.2 <sup>†</sup>
Feb	0.1	1.8	2.6	1.4 <sup>†</sup>	-0.1	-10.4
Mar	3.6	6.5	4.5	13.3	4.3	-9.9
Apr	1.9	-1.6	2.2	15.1	4.7	-15.4
May	-1.1	5.5	1.6	3.7	2.8	-4.4
Jun	0.9	4.9	1.9	3.1	6.3	-0.9
Jul	1.5	5.7	1.3	-5.3	2.3	-0.9
Aug	1.3	3.2	1.1	1.5	3.8	-0.8
Sep	-0.8	1.6	2.4	1.8	2.3	-3.1
Oct	2.0	2.9	2.7	-1.1	0.3	3.5
Nov	2.4	5.2	2.3	-8.1	2.4	-7.1
Dec	-0.1	5.2	0.8	-4.0	-1.3	-15.1
2018 Jan	1.2	-	-0.4	-8.0	-2.5	-1.8
Feb	0.6	-4.5	0.7	-11.0	2.7	10.2
Mar	0.6	-5.3	-1.1	-8.1	-1.5	2.6
Apr	0.3	-3.6	-1.5	-5.7	-4.6	4.0
May	2.7	-2.4	-0.4	-11.1	-1.5	3.3
Jun	2.0	-2.2	-0.2	-11.3	-2.0	9.3
Jul	2.9	-3.2	3.0	-1.3	-0.3	5.9
Aug	3.3	-0.7	0.7	-4.3	-3.3	2.3

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

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

# IOP5 Output of the Production Industries

continued

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

Seasonally adjusted 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	104.3 <sup>T</sup>	104.7 <sup>T</sup>	109.3	104.1	107.7 <sup>T</sup>
2017 Q2	99.9 <sup>T</sup>	100.4 <sup>T</sup>	103.6 <sup>T</sup>	104.9 <sup>T</sup>	105.1 <sup>T</sup>	102.7 <sup>T</sup>	106.0 <sup>T</sup>
Q3	99.9	101.4	104.3	105.5	110.2	105.2	109.3
Q4	100.9	106.4	107.9	105.4	114.9	105.2	108.4
2018 Q1	99.1	104.9	115.2	101.7	118.0	105.5	108.0
Q2	98.5	100.2	119.3	99.6	114.0	102.7	108.2
2017 Jun	98.6 <sup>T</sup>	102.2 <sup>T</sup>	109.3 <sup>T</sup>	107.0 <sup>T</sup>	103.7 <sup>T</sup>	99.9 <sup>T</sup>	109.2 <sup>T</sup>
Jul	99.4	99.8	101.5	107.8	108.5	107.1	109.3
Aug	99.6	101.7	104.3	102.0	109.3	104.2	107.9
Sep	100.7	102.6	107.1	106.7	112.8	104.4	110.7
Oct	100.5	105.4	106.2	105.5	113.6	107.6	107.2
Nov	102.2	105.2	107.7	104.8	115.1	103.4	108.7
Dec	99.9	108.6	109.9	105.9	115.9	104.7	109.2
2018 Jan	100.5	104.4	112.9	105.1	120.0	106.3	108.2
Feb	98.2	106.0	114.9	101.3	115.1	106.6	106.4
Mar	98.5	104.4	117.6	98.8	118.9	103.7	109.3
Apr	97.2	101.2	117.8	100.0	114.9	102.5	107.6
May	97.9	98.4	121.6	101.6	113.6	102.9	107.0
Jun	100.5	101.0	118.4	97.3	113.6	102.7	110.1
Jul	99.6	102.3	120.5	98.3	112.9	103.5	108.8
Aug	99.7	103.1	120.4	97.3	111.3	104.3	108.1
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	4.3 <sup>T</sup>	4.7 <sup>T</sup>	9.3	4.1	7.7 <sup>T</sup>
Percentage change, latest month on same month a year ago							
2016 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	0.2 <sup>T</sup>	-3.0	4.4 <sup>T</sup>	1.7 <sup>T</sup>	7.4 <sup>T</sup>	6.3 <sup>T</sup>	8.3 <sup>T</sup>
Feb	-0.8	-2.5 <sup>T</sup>	6.0	3.8	15.3	9.0	11.2
Mar	1.5	-0.7	0.7	1.4	5.9	4.0	10.3
Apr	-1.8	-0.2	-2.5	4.8	2.3	2.7	5.9
May	0.8	0.3	2.4	5.1	9.5	1.4	6.2
Jun	-0.7	3.2	12.2	8.2	6.4	-1.6	6.5
Jul	0.8	-0.2	1.4	11.3	9.3	7.6	8.5
Aug	0.6	1.6	4.6	5.5	7.9	2.5	8.4
Sep	0.3	3.6	8.3	8.0	11.7	3.8	7.6
Oct	-	9.9	4.4	4.7	14.6	8.3	5.5
Nov	1.0	7.2	7.1	-0.1	12.3	2.8	8.8
Dec	-0.4	3.4	2.9	2.7	9.7	3.1	5.2
2018 Jan	0.5	4.9	9.2	2.1	14.5	2.3	2.3
Feb	-0.9	7.3	11.3	-4.1	3.7	3.0	-1.3
Mar	-1.7	5.4	20.5	-1.8	12.2	1.3	1.7
Apr	-3.1	2.2	19.6	-4.8	10.8	-2.1	3.4
May	-2.9	-1.6	18.1	-0.9	5.4	-0.6	2.1
Jun	2.0	-1.1	8.3	-9.1	9.5	2.8	0.7
Jul	0.2	2.4	18.7	-8.9	4.1	-3.3	-0.5
Aug	0.1	1.4	15.5	-4.6	1.9	0.1	0.2

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

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

# IOP5 Output of the Production Industries

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

continued

Seasonally adjusted 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
<b>Percentage change, latest month on previous month</b>						
2016 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	-0.2 <sup>T</sup>	2.5 <sup>T</sup>	0.8 <sup>T</sup>	0.2	2.1 <sup>T</sup>	-13.7 <sup>T</sup>
Feb	0.5	1.2	-2.3	0.1 <sup>T</sup>	-3.3	-8.1
Mar	0.4	2.4	2.2	0.7	2.2	2.1
Apr	0.5	-2.1	-0.7	0.1	1.6	1.6
May	-1.8	0.5	-	1.5	-2.1	3.1
Jun	0.9	-0.8	-0.4	-	1.3	0.3
Jul	0.1	1.7	-1.0	-9.7	-0.9	-4.3
Aug	-0.2	-1.7	0.5	4.1	0.8	2.5
Sep	-1.0	-0.9	1.2	4.9	0.9	0.8
Oct	1.2	0.3	-0.2	-0.8	-3.1	2.0
Nov	0.7	1.5	1.1	-3.9	1.5	-
Dec	-1.2	0.7	-0.3	-0.4	-1.9	-1.2
2018 Jan	1.0	-2.6	-0.4	-4.0	0.7	-0.2
Feb	-0.1	-3.3	-1.2	-3.2	1.9	3.2
Mar	0.5	1.4	0.4	3.9	-2.0	-5.0
Apr	0.2	-0.3	-1.1	2.8	-1.6	3.0
May	0.6	1.7	1.1	-4.3	1.1	2.3
Jun	0.4	-0.6	-0.2	-0.3	0.7	6.2
Jul	0.9	0.7	2.2	0.5	0.9	-7.4
Aug	0.2	0.8	-1.7	1.0	-2.3	-1.0
<b>Percentage change, latest 3 months on same 3 months a year ago</b>						
2016 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	-4.6 <sup>T</sup>	0.9 <sup>T</sup>	-3.5	-2.1 <sup>T</sup>	10.2 <sup>T</sup>
Feb	0.6 <sup>T</sup>	-2.6	2.4	-1.6 <sup>T</sup>	-0.1	3.1
Mar	1.5	0.3	3.3	3.9	1.9	-5.6
Apr	1.9	2.2	3.1	9.6	3.0	-12.0
May	1.5	3.4	2.7	10.4	4.0	-10.1
Jun	0.5	2.9	1.9	7.0	4.6	-7.2
Jul	0.4	5.4	1.6	0.5	3.8	-2.1
Aug	1.2	4.6	1.4	-0.2	4.1	-0.9
Sep	0.7	3.5	1.6	-0.7	2.8	-1.6
Oct	0.8	2.5	2.1	0.7	2.1	-0.2
Nov	1.2	3.2	2.5	-2.6	1.7	-2.4
Dec	1.4	4.4	1.9	-4.4	0.5	-6.8
2018 Jan	1.2	3.4	0.9	-6.7	-0.5	-8.3
Feb	0.6	0.2	0.4	-7.6	-0.4	-3.2
Mar	0.8	-3.3	-0.3	-9.0	-0.5	3.5
Apr	0.5	-4.5	-0.6	-8.3	-1.1	5.6
May	1.2	-3.8	-1.0	-8.3	-2.5	3.3
Jun	1.6	-2.7	-0.7	-9.4	-2.7	5.6
Jul	2.5	-2.6	0.8	-8.1	-1.3	6.2
Aug	2.7	-2.0	1.1	-5.8	-1.9	5.9

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

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

# IOP5 Output of the Production Industries

continued

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

Seasonally adjusted 2016 = 100

	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
Section	CG	CH	CI	CJ	CK	CL	CM
Latest weight	59.7	84.4	33.6	23.5	44.9	107.6	64.0
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
<b>Percentage change, latest month on previous month</b>							
2016 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	-1.7
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	-0.2 <sup>†</sup>	-5.3	-3.1 <sup>†</sup>	-0.2 <sup>†</sup>	-0.7 <sup>†</sup>	2.4 <sup>†</sup>	2.0 <sup>†</sup>
Feb	-1.0	-0.7 <sup>†</sup>	-0.2	2.5	5.9	-0.4	1.9
Mar	1.2	0.2	-5.5	-4.6	-4.5	-1.1	-0.4
Apr	0.1	-	0.9	4.3	-2.1	2.3	-3.1
May	0.5	1.0	4.5	-2.4	3.8	-1.1	0.7
Jun	-2.2	2.2	6.2	4.4	-3.8	-3.5	4.2
Jul	0.8	-2.3	-7.2	0.7	4.7	7.1	0.1
Aug	0.2	1.9	2.8	-5.4	0.7	-2.6	-1.3
Sep	1.1	0.9	2.7	4.6	3.3	0.1	2.6
Oct	-0.2	2.8	-0.8	-1.1	0.6	3.1	-3.1
Nov	1.7	-0.2	1.4	-0.7	1.4	-3.9	1.3
Dec	-2.2	3.2	2.0	1.0	0.7	1.3	0.5
2018 Jan	0.7	-3.9	2.8	-0.8	3.6	1.5	-0.9
Feb	-2.3	1.6	1.8	-3.6	-4.1	0.3	-1.7
Mar	0.3	-1.5	2.3	-2.4	3.3	-2.7	2.7
Apr	-1.3	-3.1	0.2	1.1	-3.3	-1.2	-1.5
May	0.6	-2.7	3.2	1.7	-1.2	0.4	-0.5
Jun	2.7	2.6	-2.6	-4.2	-	-0.2	2.8
Jul	-0.9	1.2	1.8	1.0	-0.5	0.9	-1.1
Aug	0.1	0.8	-0.1	-1.0	-1.4	0.7	-0.7
<b>Percentage change, latest 3 months on same 3 months a year ago</b>							
2016 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	2.3 <sup>†</sup>	1.2	4.8 <sup>†</sup>	2.2	6.7 <sup>†</sup>	4.6	7.1
Feb	0.7	0.4 <sup>†</sup>	5.9	2.5 <sup>†</sup>	9.7	6.5 <sup>†</sup>	9.5 <sup>†</sup>
Mar	0.3	-2.1	3.7	2.3	9.5	6.4	9.9
Apr	-0.4	-1.2	1.4	3.3	7.7	5.2	9.1
May	0.1	-0.2	0.2	3.8	5.8	2.7	7.5
Jun	-0.6	1.1	3.9	6.0	6.0	0.8	6.2
Jul	0.3	1.1	5.3	8.2	8.4	2.4	7.1
Aug	0.2	1.5	6.0	8.3	7.9	2.8	7.8
Sep	0.6	1.6	4.8	8.3	9.6	4.6	8.2
Oct	0.3	4.9	5.8	6.1	11.4	4.8	7.2
Nov	0.4	6.8	6.6	4.1	12.9	5.0	7.3
Dec	0.2	6.7	4.7	2.4	12.2	4.7	6.5
2018 Jan	0.3	5.1	6.3	1.6	12.2	2.8	5.4
Feb	-0.3	5.2	7.8	0.2	9.2	2.8	2.0
Mar	-0.7	5.9	13.6	-1.3	10.0	2.2	0.9
Apr	-1.9	5.0	17.1	-3.6	8.8	0.7	1.2
May	-2.6	2.0	19.4	-2.5	9.4	-0.5	2.4
Jun	-1.4	-0.2	15.1	-5.0	8.5	-	2.1
Jul	-0.3	-0.1	14.9	-6.4	6.3	-0.4	0.8
Aug	0.8	0.9	14.0	-7.6	5.1	-0.2	0.1

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

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

# IOP5 Output of the Production Industries

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

continued

Seasonally adjusted 2016 = 100

	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
Section	CA	CB	CC	CD	CE	CF
Latest weight	111.5	29.8	53.6	9.9	48.6	55.1
	K22B	K22P	K22T	K22X	K22Z	K239
<b>Percentage change, latest 3 months on previous 3 months</b>						
2016 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	0.3 <sup>†</sup>	0.1 <sup>†</sup>	2.1 <sup>†</sup>	3.1	1.3 <sup>†</sup>	9.7 <sup>†</sup>
Feb	0.9	1.9	1.7	-1.7 <sup>†</sup>	1.2	1.3
Mar	1.2	4.3	1.2	-1.6	1.5	-10.5
Apr	1.2	4.0	-0.2	-0.9	0.6	-13.0
May	0.4	2.7	0.5	1.4	1.0	-6.6
Jun	0.1	-0.1	-0.1	1.6	0.9	2.3
Jul	-0.6	-0.1	-0.3	-1.5	0.2	3.6
Aug	-0.1	-0.6	-1.1	-4.2	-	0.8
Sep	-0.3	-0.1	-0.5	-5.2	-	-1.3
Oct	-0.1	-1.4	0.5	-	0.1	0.8
Nov	-0.1	-0.8	1.4	2.1	-0.5	2.4
Dec	0.5	0.3	1.4	0.8	-1.9	3.1
2018 Jan	0.7	1.0	1.0	-4.5	-1.3	0.8
Feb	0.3	-1.1	-0.4	-6.8	-0.8	0.5
Mar	0.5	-3.4	-1.0	-6.3	0.6	-0.5
Apr	0.5	-3.9	-1.7	-2.6	-0.1	0.2
May	1.0	-1.3	-0.9	0.7	-1.2	-0.3
Jun	0.9	0.5	-0.6	1.2	-1.4	4.3
Jul	1.4	1.8	1.1	-1.3	0.1	4.2
Aug	1.5	1.2	1.0	-1.6	0.6	3.3

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

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

# IOP5 Output of the Production Industries

continued

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

Seasonally adjusted 2016 = 100

	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
Section	CG	CH	CI	CJ	CK	CL	CM
Latest weight	59.7	84.4	33.6	23.5	44.9	107.6	64.0
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
<b>Percentage change, latest 3 months on previous 3 months</b>							
2016 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	0.6 <sup>†</sup>	2.6 <sup>†</sup>	3.5 <sup>†</sup>	5.0 <sup>†</sup>	3.8 <sup>†</sup>	1.5 <sup>†</sup>	1.8 <sup>†</sup>
Feb	-0.9	3.5	4.1	2.3	6.2	2.8	4.3
Mar	-0.9	-0.6	-1.6	0.1	4.8	2.8	5.2
Apr	-0.6	-1.9	-3.7	0.1	2.5	1.5	3.2
May	0.7	-1.7	-4.6	-1.1	-1.2	0.5	-0.3
Jun	0.1	1.3	2.1	1.8	-2.1	-0.5	-0.9
Jul	-0.3	1.7	4.8	2.0	-0.3	-	1.3
Aug	-1.3	1.9	5.4	2.8	1.3	0.2	3.2
Sep	-	1.0	0.7	0.6	4.9	2.4	3.1
Oct	0.7	2.5	1.2	-1.0	4.9	1.8	0.8
Nov	1.9	3.1	1.9	-	6.2	1.3	-
Dec	1.0	5.0	3.5	-0.1	4.2	-	-0.9
2018 Jan	0.6	2.7	4.1	0.5	4.6	-0.6	0.1
Feb	-1.6	1.8	5.2	-1.5	2.8	0.7	-0.9
Mar	-1.8	-1.4	6.7	-3.5	2.7	0.3	-0.4
Apr	-2.9	-2.1	6.0	-5.0	-0.6	-0.5	-0.9
May	-1.7	-4.7	5.7	-3.8	-1.0	-2.7	-
Jun	-0.5	-4.5	3.6	-2.0	-3.4	-2.7	0.2
Jul	1.4	-3.2	2.9	-0.9	-2.5	-1.2	0.8
Aug	2.1	0.8	0.6	-2.5	-2.8	0.5	1.0

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

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



<a href="#">Page 1</a>	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
<a href="#">Page 2</a>	Percentage change, latest month on previous month Percentage change, latest 3 months on same 3 months a year ago
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<a href="#">Page 4</a>	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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<a href="#">Enquiries</a>	

# IOP5R

## Output of the Production Industries

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

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	
2013	-	-	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-
2017	0.2	0.3	0.1	-	0.3	0.4	0.1	0.2	0.1	-	0.1	
2017 Q2	0.4	1.5	0.2	0.2	0.2	2.1	0.6	0.4	0.2	0.1	0.6	
Q3	0.2	-0.4	0.1	0.2	0.5	-0.6	-0.5	0.2	0.2	-0.1	-	
Q4	-0.1	-	-	-0.4	-	-	0.3	-	0.1	0.1	-0.2	
2018 Q1	-0.3	0.1	-	-0.7	-3.0	-0.1	1.5	0.2	0.1	-0.3	-0.5	
Q2	-0.3	0.2	0.2	-1.2	-4.3	-	1.8	0.1	0.3	0.3	-1.2	
2017 May	0.4	1.5	0.3	0.5	-	2.3	-	0.6	0.2	-	0.9	
Jun	0.4	2.2	0.1	0.6	-0.1	3.3	1.5	-0.1	0.5	-0.1	1.2	
Jul	0.2	-1.1	0.2	0.6	-0.1	-1.6	0.3	-0.1	0.8	-0.1	-	
Aug	-	-0.4	-	0.2	0.1	-0.5	-0.6	0.2	-	-0.1	-	
Sep	0.2	0.2	0.2	-0.2	1.4	0.4	-1.1	0.7	-0.2	-	-0.1	
Oct	0.1	0.1	-	-0.1	0.5	0.1	-	0.2	-	0.1	-	
Nov	-0.1	-	-	-0.5	-0.1	-0.1	0.2	-0.1	0.1	0.1	-0.2	
Dec	-0.1	-0.1	-	-0.6	-0.3	-0.2	0.8	-0.2	0.2	-	-0.4	
2018 Jan	-0.2	-	0.1	-0.7	-2.4	-0.4	1.2	0.5	0.3	-0.3	-0.6	
Feb	-0.4	-	-0.1	-0.8	-3.3	-0.5	1.3	0.2	0.1	-0.4	-0.6	
Mar	-0.3	0.5	-0.1	-0.4	-3.4	0.5	1.8	-0.1	-0.1	-0.1	-0.5	
Apr	-0.3	0.4	0.2	-0.8	-4.2	0.6	2.1	0.2	0.3	0.1	-0.9	
May	-0.6	-0.3	-0.2	-1.4	-4.7	-0.5	3.0	-0.3	0.2	-0.2	-1.5	
Jun	-0.1	0.3	0.4	-1.3	-4.0	-0.1	0.1	0.3	0.4	0.9	-1.3	
Jul	0.2	0.7	0.6	0.2	-3.7	0.6	0.8	0.7	0.9	0.7	-0.1	
Percentage change, latest year on previous year												
2013	-	-	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-
2017	0.2	0.3	0.1	-	0.3	0.4	0.1	0.2	0.1	-	0.1	
Percentage change, latest month on same month a year ago												
2016 May	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-	-
2017 Jan	0.2	-0.2	0.1	-0.3	0.7	-0.3	0.3	0.3	-	0.2	-0.2	
Feb	0.1	-0.3	0.1	-0.4	0.5	-0.4	0.3	0.2	0.1	0.1	-0.4	
Mar	0.3	0.4	0.2	0.3	0.6	0.6	0.3	0.5	-	0.1	0.3	
Apr	0.2	0.7	0.2	-0.5	0.7	0.7	0.2	0.7	-0.2	0.3	-0.1	
May	0.4	1.5	0.3	0.5	-	2.3	-	0.6	0.3	-	0.9	
Jun	0.3	2.1	0.2	0.6	-0.2	3.2	1.5	-0.2	0.6	-	1.1	
Jul	0.2	-1.0	0.3	0.6	-0.1	-1.3	0.2	-0.1	0.8	-0.1	-	
Aug	-	-0.3	-	0.2	0.1	-0.5	-0.6	0.2	-	-0.1	-	
Sep	0.2	0.2	0.2	-0.2	1.4	0.4	-1.1	0.7	-0.2	-	-	
Oct	0.1	0.1	0.1	-0.1	0.5	0.2	-	0.2	0.1	-	-	
Nov	-0.1	-	-	-0.5	-0.2	-	0.2	-0.1	-	-	-0.3	
Dec	-0.1	-0.1	-	-0.6	-0.3	-0.2	0.8	-0.1	0.1	-	-0.4	
2018 Jan	-0.3	0.1	-0.1	-0.5	-2.9	-	0.9	0.2	0.3	-0.5	-0.3	
Feb	-0.5	0.2	-0.2	-0.5	-3.6	-0.1	0.9	-0.1	-	-0.5	-0.2	
Mar	-0.6	-	-0.3	-0.8	-3.8	-	1.5	-0.6	-0.1	-0.3	-0.8	
Apr	-0.5	-0.4	-0.1	-0.3	-4.7	-0.2	1.9	-0.5	0.5	-0.1	-0.7	
May	-1.0	-1.7	-0.4	-2.0	-4.6	-2.8	2.9	-0.9	-	-0.1	-2.4	
Jun	-0.4	-1.7	0.3	-1.9	-3.7	-3.0	-1.4	0.6	-0.3	1.0	-2.4	
Jul	0.1	1.7	0.3	-0.4	-3.4	2.1	0.5	0.8	0.1	0.7	-0.1	

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

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

## Output of the Production Industries

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

Seasonally adjusted 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	-	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-	-
	Jan	0.1	-0.2	0.2	-0.3	0.7	-0.2	0.3	0.4	-	0.1	-0.3
	Feb	-	-0.1	-0.1	-	-0.1	-0.1	0.1	-0.1	0.2	-0.1	-0.1
	Mar	0.2	0.7	0.1	0.7	0.1	1.0	-0.1	0.3	-0.1	0.1	0.6
	Apr	-0.1	0.3	0.1	-0.9	0.1	0.2	-0.1	0.2	-0.1	0.1	-0.5
2017	May	0.2	0.8	-	1.1	-0.6	1.6	-0.2	-0.1	0.3	-0.3	1.0
	Jun	-0.1	0.6	-0.1	0.1	-0.2	0.8	1.4	-0.8	0.3	-0.1	0.3
	Jul	-0.2	-3.1	-	-	0.1	-4.5	-1.1	0.1	0.2	-	-1.2
	Aug	-0.1	0.7	-0.2	-0.4	0.3	1.0	-0.9	0.3	-0.7	-0.1	-
	Sep	0.2	0.6	0.1	-0.5	1.2	1.0	-0.4	0.6	-0.2	0.2	-0.1
	Oct	-0.1	-0.1	-0.1	0.1	-0.9	-0.3	1.0	-0.6	0.2	-0.1	0.1
	Nov	-0.2	-0.1	-	-0.5	-0.6	-0.2	0.2	-0.3	-	-	-0.3
	Dec	-	-	-	-0.1	-0.2	-0.2	0.5	-	0.1	-0.1	-0.1
	Jan	-0.1	0.1	0.1	-0.2	-2.0	-0.1	0.4	0.7	0.1	-0.2	-0.2
	Feb	-0.3	-0.1	-0.2	-0.1	-0.8	-0.2	0.1	-0.4	-0.1	-0.1	-0.1
	Mar	0.1	0.5	-0.1	0.5	-0.1	0.9	0.4	-0.3	-0.1	0.3	0.2
	Apr	0.1	-0.1	0.3	-0.5	-0.8	0.1	0.3	0.2	0.4	0.3	-0.4
2018	May	-0.4	-0.7	-0.3	-0.6	-0.5	-1.0	0.7	-0.4	-0.1	-0.2	-0.6
	Jun	0.5	0.5	0.6	0.2	0.7	0.3	-2.6	0.6	0.1	1.1	0.2
	Jul	0.3	0.4	0.2	1.5	0.4	0.7	0.7	0.3	0.5	-0.2	1.1
Percentage change, latest 3 months on same 3 months a year ago												
2016	May	-	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-	-
	Jan	-	-0.1	-	-0.1	0.2	-0.1	0.1	0.1	-	-	-0.1
	Feb	-	-0.2	0.1	-0.2	0.4	-0.2	0.2	0.2	-	0.1	-0.2
	Mar	0.1	-	0.2	-0.1	0.6	-	0.3	0.4	0.1	0.1	-0.1
	Apr	0.1	0.3	0.3	-0.2	0.5	0.3	0.2	0.4	-	0.2	-0.1
2017	May	0.3	0.8	0.2	-	0.4	1.2	0.2	0.6	-	0.1	0.3
	Jun	0.3	1.5	0.2	0.2	0.2	2.1	0.6	0.3	0.3	0.1	0.7
	Jul	0.3	0.8	0.2	0.5	-0.1	1.3	0.5	0.1	0.5	-	0.7
	Aug	0.2	0.2	0.1	0.5	-	0.4	0.3	-	0.5	-0.1	0.4
	Sep	0.2	-0.4	0.1	0.1	0.4	-0.5	-0.5	0.3	0.2	-0.1	-0.1
	Oct	0.1	-0.1	0.1	-	0.6	-	-0.6	0.4	-	-0.1	-0.1
	Nov	0.1	-	0.1	-0.3	0.6	0.2	-0.4	0.3	-	-	-0.1
	Dec	-0.1	-0.1	-	-0.4	-	-	0.3	-0.1	0.1	0.1	-0.3
	Jan	-0.1	-	-	-0.5	-1.2	-0.1	0.6	-	0.2	-0.1	-0.3
	Feb	-0.3	0.1	-0.1	-0.5	-2.3	-0.2	0.8	0.2	0.2	-0.3	-0.3
	Mar	-0.4	0.1	-0.2	-0.6	-3.5	-0.1	1.1	-0.1	0.1	-0.4	-0.5
	Apr	-0.5	-0.1	-0.2	-0.5	-4.0	-0.1	1.4	-0.4	0.1	-0.3	-0.6
2018	May	-0.6	-0.7	-0.3	-1.0	-4.4	-1.0	2.0	-0.7	0.1	-0.2	-1.4
	Jun	-0.6	-1.4	-	-1.5	-4.3	-2.1	1.0	-0.3	0.1	0.2	-1.8
	Jul	-0.5	-0.6	0.1	-1.4	-4.0	-1.3	0.6	0.1	-0.1	0.5	-1.6

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

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

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

Seasonally adjusted 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
<b>Percentage change, latest 3 months on previous 3 months</b>												
2016	May	-	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-	-
	Jan	0.1	-0.1	0.1	-0.1	0.2	-0.1	0.1	0.1	-	0.1	-
	Feb	-	-0.1	0.1	-0.3	0.4	-0.2	0.2	0.2	-	0.1	-0.2
	Mar	0.1	-	0.2	-0.1	0.6	-0.1	0.3	0.4	0.1	0.2	-0.1
	Apr	0.1	0.3	0.2	-0.2	0.4	0.3	0.2	0.4	-	0.1	0.1
2017	May	0.2	1.1	0.2	0.3	0.1	1.4	-	0.4	-	0.1	0.6
	Jun	0.1	1.5	0.1	0.3	-0.3	2.2	0.3	-	0.2	-0.1	0.8
	Jul	0.1	0.6	-	0.8	-0.7	1.0	0.3	-0.4	0.5	-0.2	0.7
	Aug	-0.2	-0.7	-0.1	0.4	-0.4	-0.8	0.2	-0.7	0.4	-0.3	-
	Sep	-0.2	-1.9	-0.1	-	0.3	-2.7	-1.0	-0.1	-	-0.1	-0.8
	Oct	-0.1	-0.9	-0.1	-0.7	0.8	-1.3	-1.2	0.3	-0.5	-	-0.7
	Nov	-0.1	-0.2	-0.1	-0.7	0.6	-0.2	-0.6	0.3	-0.5	0.1	-0.5
	Dec	-0.1	0.4	-0.1	-0.6	-0.5	0.5	0.9	-0.3	-0.1	-	-0.2
	Jan	-0.2	-0.1	-0.1	-0.6	-1.6	-0.2	1.3	-0.3	0.2	-	-0.4
	Feb	-0.3	-0.1	-	-0.4	-2.5	-0.5	1.3	-0.1	0.2	-0.2	-0.4
	Mar	-0.3	0.1	-	-0.2	-3.0	-	1.1	0.2	-	-0.3	-0.4
	Apr	-0.2	0.3	-0.1	-0.1	-2.6	0.4	0.9	-	-	-0.1	-0.2
2018	May	-0.1	0.3	-	-0.2	-1.9	0.6	1.0	-0.2	-	0.2	-0.4
	Jun	-	-	0.2	-0.6	-1.1	0.1	0.2	-0.2	0.2	0.6	-0.7
	Jul	0.2	-0.1	0.3	-0.2	-0.4	-0.3	-0.4	0.2	0.4	0.6	-0.3

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

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

## Output of the Production Industries

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

Seasonally adjusted 2016 = 100

		Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
Section		CA	CB	CC	CD	CE	CF
Latest weight		111.5	29.8	53.6	9.9	48.6	55.1
		K22B	K22P	K22T	K22X	K22Z	K239
2013		-	-	-	-	-	-
2014		-	-	-	-	-	-
2015		-	-	-	-	-	-
2016		-	-	-	-	-	-
2017		-0.1	0.5	0.2	-	0.5	0.1
2017	Q2	0.2	1.2	0.2	0.4	0.4	-0.5
	Q3	-0.1	-0.3	-0.1	-	0.4	0.8
	Q4	-0.2	-0.3	-0.1	-	0.6	-0.1
2018	Q1	0.7	-3.6	-1.8	-	1.3	0.4
	Q2	0.5	-4.4	-1.8	0.5	1.0	1.5
2017	May	-0.2	0.8	0.2	1.0	0.2	1.6
	Jun	0.9	-0.6	0.3	0.5	0.2	-2.9
	Jul	-0.3	-2.9	-0.2	0.1	0.3	1.0
	Aug	-0.2	-0.1	-0.2	-	0.4	0.5
	Sep	-	2.0	0.2	-	0.4	1.1
	Oct	-0.2	0.5	-	0.1	0.6	0.3
	Nov	-0.1	-0.3	-0.1	0.1	0.8	-0.6
	Dec	-0.3	-1.1	-0.2	-	0.1	-
2018	Jan	0.9	-2.9	-1.4	-	0.9	0.5
	Feb	0.4	-4.2	-2.1	-0.4	1.8	0.6
	Mar	0.7	-3.6	-1.8	0.5	0.9	-
	Apr	0.6	-3.9	-1.9	0.5	0.5	1.2
	May	0.6	-5.6	-1.9	0.5	0.4	0.8
	Jun	0.3	-3.8	-1.5	0.5	2.0	2.6
	Jul	0.4	-1.5	-0.7	0.6	1.4	2.4
Percentage change, latest year on previous year							
2013		-	-	-	-	-	-
2014		-	-	-	-	-	-
2015		-	-	-	-	-	-
2016		-	-	-	-	-	-
2017		-0.1	0.5	0.2	-	0.5	0.1
Percentage change, latest month on same month a year ago							
2016	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2017	Jan	-0.1	1.5	0.3	-	0.7	0.6
	Feb	-0.2	0.8	0.3	-0.3	0.8	-
	Mar	-	1.5	0.5	-0.7	0.9	0.3
	Apr	-0.2	3.4	0.4	-0.4	0.6	0.1
	May	-0.3	0.7	0.2	1.0	0.2	1.6
	Jun	1.0	-0.7	0.3	0.5	0.2	-3.1
	Jul	-0.3	-3.0	-0.1	0.1	0.3	1.1
	Aug	-0.2	-0.1	-0.2	0.1	0.4	0.5
	Sep	-	2.1	0.1	0.1	0.5	1.1
	Oct	-0.1	0.6	0.1	0.1	0.6	0.3
	Nov	-0.1	-0.3	-0.1	0.1	0.8	-0.6
	Dec	-0.3	-1.2	-0.2	-0.1	0.1	-
2018	Jan	1.0	-4.5	-1.8	-0.1	0.2	-0.2
	Feb	0.6	-5.0	-2.4	-0.1	0.9	0.6
	Mar	0.7	-4.8	-2.3	1.1	-	-0.4
	Apr	0.9	-7.5	-2.3	0.9	-0.1	1.2
	May	0.9	-6.1	-2.0	-0.4	0.1	-0.9
	Jun	-0.8	-3.1	-1.7	0.1	1.8	5.8
	Jul	0.7	1.2	-0.4	0.5	1.1	1.5

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

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

## Output of the Production Industries

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

Seasonally adjusted 2016 = 100

		Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
Section		CG	CH	CI	CJ	CK	CL	CM
Latest weight		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		-	-	0.1	0.5	-	-	0.5
2017	Q2	0.2	0.1	0.5	0.6	-0.1	0.1	0.6
	Q3	-0.1	0.1	-0.8	0.3	0.8	-0.1	0.8
	Q4	-	-	0.4	0.6	-	-0.1	0.3
2018	Q1	-1.6	0.4	2.2	2.4	-1.1	-0.3	0.6
	Q2	-1.4	0.6	3.6	6.7	0.2	-1.4	1.0
2017	May	0.2	0.5	-	0.2	-0.1	-	0.4
	Jun	0.1	-0.3	1.5	0.9	1.2	-0.1	1.1
	Jul	-	0.2	0.3	0.3	0.9	0.2	1.8
	Aug	-0.1	-	-0.9	0.1	0.8	-0.2	0.4
	Sep	-	0.1	-1.7	0.4	0.7	-0.3	0.1
	Oct	-	-	-0.1	-0.3	0.3	-0.1	0.1
	Nov	-0.1	0.1	0.2	0.4	-0.2	-	0.2
	Dec	0.1	-0.1	1.2	1.6	-0.3	-0.2	0.5
2018	Jan	-1.2	0.3	1.7	2.5	-1.2	-0.1	1.0
	Feb	-2.2	0.5	2.0	2.2	-1.2	-0.2	0.7
	Mar	-1.5	0.6	2.7	2.6	-1.0	-0.6	-0.1
	Apr	-0.8	0.9	3.2	4.6	-1.1	-	0.3
	May	-1.5	-0.2	5.8	5.9	-0.7	-1.6	0.4
	Jun	-1.9	1.1	1.7	9.6	2.5	-2.4	2.3
	Jul	-1.7	0.4	3.6	7.8	4.7	-2.6	1.5
Percentage change, latest year on previous year								
2013		-	-	-	-	-	-	-
2014		-	-	-	-	-	-	-
2015		-	-	-	-	-	-	-
2016		-	-	-	-	-	-	-
2017		-	-	0.1	0.5	-	-	0.5
Percentage change, latest month on same month a year ago								
2016	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2017	Jan	-0.3	-	0.2	0.2	-0.3	0.1	0.1
	Feb	0.1	-0.2	0.3	0.6	-0.2	0.1	0.5
	Mar	0.2	-0.1	0.1	0.5	-0.5	0.1	0.4
	Apr	0.4	0.3	-	0.5	-1.6	0.3	0.3
	May	0.2	0.5	-	0.3	-	0.1	0.4
	Jun	0.1	-0.4	1.6	1.0	1.2	-	1.1
	Jul	-0.1	0.2	0.2	0.3	0.8	0.2	1.8
	Aug	-0.2	0.1	-0.9	0.1	0.8	-0.2	0.5
	Sep	-	0.2	-1.7	0.4	0.7	-0.3	0.1
	Oct	-	-	-	-0.2	0.3	-0.1	0.1
	Nov	-0.1	0.1	0.2	0.4	-0.2	-0.1	0.2
	Dec	0.1	-	1.0	1.5	-0.4	-0.2	0.5
2018	Jan	-0.8	0.2	1.4	2.2	-0.7	-0.2	0.9
	Feb	-2.3	0.7	1.6	1.5	-0.9	-0.3	0.2
	Mar	-1.6	0.7	2.7	2.2	-0.5	-0.6	-0.6
	Apr	-1.2	0.6	3.3	3.9	0.8	-0.3	-
	May	-1.7	-0.7	5.6	5.6	-0.6	-1.6	-
	Jun	-1.9	1.5	0.1	8.2	1.1	-2.4	1.0
	Jul	-1.7	0.1	3.2	6.9	3.6	-2.6	-0.4

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

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

## Output of the Production Industries

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

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
<b>Percentage change, latest month on previous month</b>						
2016 May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2017 Jan	-0.1	1.6	0.4	-	0.7	0.6
Feb	-	-0.8	-0.1	-0.3	0.1	-0.6
Mar	0.1	0.6	0.2	-0.2	0.1	0.4
Apr	-0.2	2.1	-0.1	0.2	-0.3	-0.3
May	-0.2	-2.9	-0.3	1.3	-0.4	1.7
Jun	1.2	-1.4	0.1	-0.5	-	-4.9
Jul	-1.2	-2.3	-0.4	-0.4	0.1	4.0
Aug	-	2.7	-0.1	-	0.1	-0.8
Sep	0.2	2.1	0.4	-	-	0.7
Oct	-0.1	-1.5	-0.2	0.1	0.2	-0.9
Nov	0.1	-0.8	-0.1	-	0.2	-0.9
Dec	-0.2	-0.8	-0.1	-0.2	-0.7	0.5
2018 Jan	1.1	-1.7	-1.2	-0.1	0.7	0.5
Feb	-0.4	-1.4	-0.7	-0.3	0.8	0.2
Mar	0.3	0.6	0.3	1.0	-0.8	-0.6
Apr	-	-0.3	-0.2	-	-0.5	1.2
May	-0.1	-1.5	-	-0.1	-0.1	-0.5
Jun	-0.3	1.6	0.5	-	1.7	1.7
Jul	0.2	2.2	0.9	-	-0.5	0.1
<b>Percentage change, latest 3 months on same 3 months a year ago</b>						
2016 May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2017 Jan	-	0.5	0.1	-	0.3	0.3
Feb	-0.1	0.8	0.2	-0.1	0.5	0.2
Mar	-0.1	1.3	0.4	-0.3	0.9	0.3
Apr	-0.1	2.0	0.4	-0.5	0.8	0.1
May	-0.1	1.9	0.3	-	0.7	0.6
Jun	0.1	1.3	0.3	0.4	0.3	-0.4
Jul	0.1	-1.0	0.1	0.5	0.3	-0.1
Aug	0.1	-1.3	-	0.2	0.3	-0.5
Sep	-0.1	-0.3	-0.1	0.1	0.4	0.9
Oct	-0.1	0.8	-	0.1	0.5	0.6
Nov	-0.1	0.8	0.1	-	0.7	0.3
Dec	-0.2	-0.3	-0.1	0.1	0.5	-0.1
2018 Jan	0.2	-2.1	-0.7	-	0.4	-0.2
Feb	0.5	-3.6	-1.4	-	0.4	0.1
Mar	0.8	-4.8	-2.2	0.4	0.4	-
Apr	0.7	-5.8	-2.3	0.6	0.3	0.5
May	0.8	-6.2	-2.2	0.5	-	-
Jun	0.3	-5.5	-2.0	0.2	0.6	2.1
Jul	0.3	-2.6	-1.4	0.1	1.0	2.2

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

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

## Output of the Production Industries

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

Seasonally adjusted 2016 = 100

	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
Section	CG	CH	CI	CJ	CK	CL	CM
Latest weight	59.7	84.4	33.6	23.5	44.9	107.6	64.0
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
<b>Percentage change, latest month on previous month</b>							
2016 May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2017 Jan	-0.3	-	0.3	0.2	-0.3	0.1	0.1
Feb	0.4	-0.2	-	0.3	0.2	-	0.4
Mar	0.1	-	-0.2	-	-0.2	-	-0.1
Apr	0.2	0.4	-0.2	-	-1.1	0.1	-0.1
May	-0.2	0.2	-	-0.3	1.6	-0.2	0.1
Jun	-0.1	-0.8	1.4	0.6	1.1	-0.1	0.6
Jul	-0.2	0.5	-1.1	-0.6	-0.3	0.2	0.7
Aug	-0.1	-0.2	-1.1	-0.1	-0.1	-0.3	-1.3
Sep	0.1	0.1	-0.8	0.3	-	-0.1	-0.3
Oct	-	-0.1	1.5	-0.6	-0.4	0.2	0.1
Nov	-	0.1	0.3	0.5	-0.3	-	-0.1
Dec	0.2	-0.2	0.8	1.1	-0.2	-0.1	0.4
2018 Jan	-1.2	0.3	0.5	0.8	-0.7	0.1	0.4
Feb	-1.0	0.3	0.2	-0.1	-0.1	-0.1	-0.3
Mar	0.7	0.1	0.6	0.5	0.2	-0.3	-0.8
Apr	0.6	0.2	0.4	1.9	-	0.4	0.5
May	-0.8	-1.0	2.2	1.4	0.3	-1.5	0.1
Jun	-0.3	1.3	-3.4	4.1	2.8	-0.8	1.7
Jul	0.1	-0.8	1.6	-2.2	2.1	-0.1	-0.7
<b>Percentage change, latest 3 months on same 3 months a year ago</b>							
2016 May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2017 Jan	-0.1	-	0.1	-	-0.1	-	-
Feb	-	-0.1	0.2	0.3	-0.2	0.1	0.2
Mar	-	-0.1	0.2	0.4	-0.3	0.1	0.3
Apr	0.2	-0.1	0.2	0.5	-0.8	0.2	0.4
May	0.2	0.3	-	0.5	-0.8	0.2	0.4
Jun	0.2	0.2	0.5	0.6	-0.2	0.1	0.6
Jul	0.1	0.1	0.6	0.5	0.6	-	1.1
Aug	-0.1	-0.1	0.3	0.4	1.0	-	1.1
Sep	-0.1	0.1	-0.8	0.3	0.7	-0.1	0.8
Oct	-0.1	-	-0.8	0.1	0.6	-0.2	0.3
Nov	-0.1	-	-0.5	0.2	0.3	-0.1	0.1
Dec	-	-	0.4	0.5	-	-0.1	0.3
2018 Jan	-0.3	0.1	0.9	1.4	-0.4	-0.1	0.5
Feb	-1.1	0.4	1.4	1.7	-0.6	-0.2	0.5
Mar	-1.6	0.6	1.9	1.9	-0.7	-0.4	0.2
Apr	-1.7	0.7	2.6	2.5	-0.2	-0.4	-0.2
May	-1.5	0.2	3.9	3.9	-0.2	-0.9	-0.2
Jun	-1.6	0.4	2.9	5.9	0.4	-1.4	0.4
Jul	-1.8	0.3	2.9	6.9	1.4	-2.2	0.3

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

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



## Output of the Production Industries

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

Seasonally adjusted 2016 = 100

	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
Section	CA	CB	CC	CD	CE	CF
Latest weight	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	-	-	-	-	-
	Jun	-	-	-	-	-
	Jul	-	-	-	-	-
	Aug	-	-	-	-	-
	Sep	-	-	-	-	-
	Oct	-	-	-	-	-
	Nov	-	-	-	-	-
	Dec	-	-	-	-	-
2017	Jan	-0.1	0.5	0.1	-	0.3
	Feb	-0.1	0.8	0.2	-0.1	0.5
	Mar	-0.1	1.3	0.4	-0.4	0.8
	Apr	-	1.4	0.2	-0.4	0.6
	May	-	1.0	0.2	0.1	0.1
	Jun	0.3	-0.1	-0.1	0.7	-0.5
	Jul	0.3	-2.9	-0.3	0.9	-0.5
	Aug	0.3	-3.1	-0.3	0.2	-0.3
	Sep	-0.3	-1.5	-0.3	-0.3	-
	Oct	-0.3	1.7	-	-0.5	0.2
	Nov	-0.3	1.9	-	-0.1	0.3
	Dec	-	-	-	-	0.2
2018	Jan	0.3	-2.2	-0.5	-0.1	0.2
	Feb	0.4	-3.5	-1.3	-0.2	0.3
	Mar	0.8	-3.2	-1.7	-	0.7
	Apr	0.4	-2.4	-1.4	0.2	0.5
	May	0.3	-1.6	-0.6	0.8	-0.3
	Jun	-0.2	-0.8	-	0.5	-0.3
	Jul	-0.2	0.3	0.6	0.3	0.2

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

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

## Output of the Production Industries

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Seasonally adjusted 2016 = 100

		Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
Section		CG	CH	CI	CJ	CK	CL	CM
Latest weight		59.7	84.4	33.6	23.5	44.9	107.6	64.0
		K23B	K23G	K23N	K23P	K23R	K23T	K23Z
<b>Percentage change, latest 3 months on previous 3 months</b>								
2016	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
	Jan	-0.1	0.1	0.1	0.1	-0.1	0.1	0.1
	Feb	-0.1	-	0.2	0.2	-0.2	-	0.2
	Mar	-	-0.1	0.2	0.4	-0.3	0.1	0.4
	Apr	0.4	-	-	0.5	-0.6	0.1	0.4
2017	May	0.4	0.3	-0.2	0.1	-0.5	-	0.2
	Jun	0.2	0.2	0.2	0.1	0.1	-	0.3
	Jul	-0.2	0.1	0.4	-0.1	1.3	-0.1	0.7
	Aug	-0.3	-0.3	0.3	-	1.6	-0.2	0.7
	Sep	-0.3	-	-1.2	-0.3	0.9	-0.2	0.1
	Oct	-0.1	-0.1	-1.4	-0.4	-0.1	-0.3	-0.8
	Nov	-	0.1	-0.7	-0.3	-0.7	-0.1	-0.9
	Dec	0.1	-0.1	1.2	0.3	-0.8	-	-0.5
	Jan	-0.3	-	1.9	1.3	-1.0	0.1	0.3
	Feb	-1.1	0.1	2.0	1.8	-1.0	-	0.5
	Mar	-1.6	0.4	1.6	1.8	-1.0	-0.2	0.2
	Apr	-1.1	0.5	1.4	1.7	-0.5	-0.2	-0.3
2018	May	-0.2	0.2	1.9	2.3	-	-0.6	-0.5
	Jun	0.2	0.1	1.2	4.4	1.1	-1.1	0.4
	Jul	-0.2	-0.2	0.9	4.9	2.8	-1.9	1.0

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

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



**Next publication:** 09 November 2018

**Issued by:** Office for National Statistics, Government Buildings, Cardiff Road, Newport NP10 8XG

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