

Statistical bulletin

Index of Production, UK: September 2018

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



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1 . Main points

- The rise of 0.8% in total production output for Quarter 3 (July to Sep) 2018, compared with Quarter 2 (Apr to June) 2018, is due primarily to a rise of 0.6% in manufacturing, supported by upward contributions from the other sectors.
- The quarterly increase in manufacturing output, reverses the fall in Quarter 2 (Apr to June) 2018, due primarily to growth from transport equipment (2.3%), and basic metals and metal products (1.9%).
- In September 2018, total production output was estimated to have remained flat at 0.0%, compared with August 2018, due to a 0.2% rise in manufacturing being offset by downward contributions from the other main sectors.
- The monthly increase in manufacturing output of 0.2% was due mainly to strength from basic pharmaceutical products (3.9%), chemicals and chemical products (2.8%), and other manufacturing and repair (1.4%); only 6 of the 13 manufacturing sub-sectors increased.
- In Quarter 3 (July to Sep) 2018, total production output increased by 0.7% compared with Quarter 3 (July to Sep) 2017, due primarily to a rise in manufacturing of 1.0% which is the weakest growth in manufacturing output since November 2016.

2 . Things you need to know about this release

This September 2018 release publishes updated and revised estimates from July 2018 onwards and is consistent with the [National Accounts Revisions Policy](#).

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.

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.

This release includes Value Added Tax (VAT) data for Quarter 1 (Jan to Mar) 2018.

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 1.6% lower, respectively, for Quarter 3 (Jul to Sep) 2018 than the pre-downturn gross domestic product (GDP) peak in Quarter 1 (Jan to Mar) 2008.

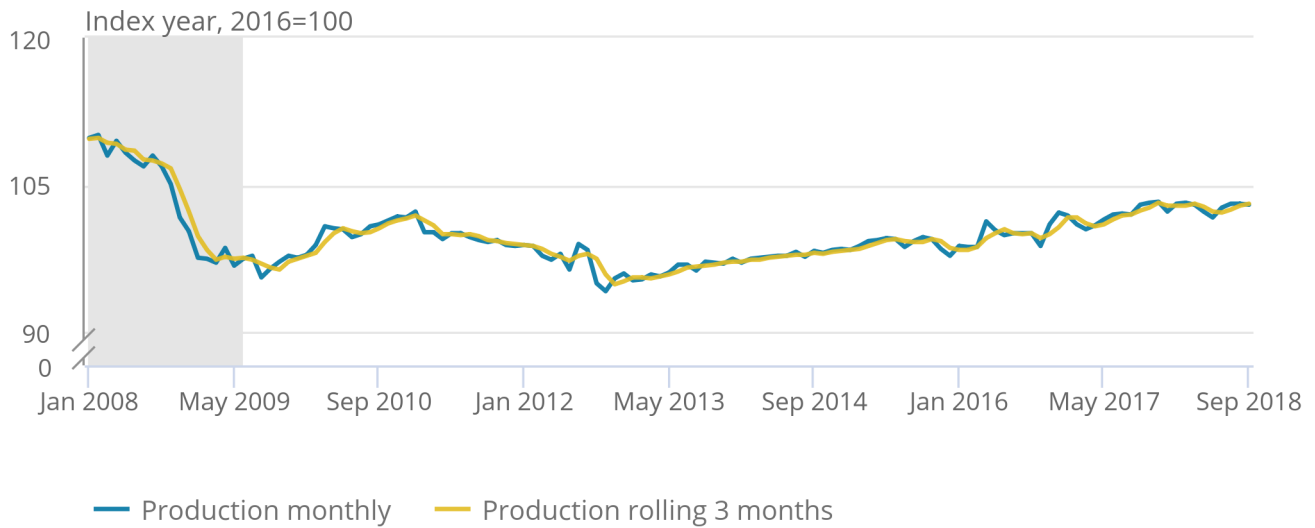
Figure 1: Index of Production in UK

Seasonally adjusted, January 2008 to September 2018, UK

Economic downturn

Figure 1: Index of Production in UK

Seasonally adjusted, January 2008 to September 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 September 2018, UK

Economic downturn

Figure 2: Index of Manufacturing in UK

Seasonally adjusted, January 2008 to September 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 September 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, September 2018, UK, seasonally adjusted estimates

		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	0.8	0.80	0.7	0.68	0.0	-0.04
Sector B	Total Mining and Quarrying	1.7	0.13	0.4	0.03	-1.6	-0.12
5	Coal and Lignite	-12.3	0.00	-14.4	0.00	-12.7	0.00
6	Crude petroleum and Natural gas	1.7	0.09	0.2	0.01	-1.9	-0.10
789	Other mining and quarrying	1.8	0.04	1.1	0.02	-1.0	-0.02
Sector C	Total Manufacturing	0.6	0.42	1.0	0.74	0.2	0.17
CA	Food, beverages and tobacco	1.0	0.11	3.0	0.32	-1.3	-0.14
CB	Textiles and leather products	-0.3	-0.01	-2.9	-0.09	-2.3	-0.07
CC	Wood, paper and printing	0.9	0.05	0.7	0.04	0.2	0.01
CD	Coke and petroleum	1.4	0.01	-3.1	-0.03	-0.2	0.00
CE	Chemical products	2.0	0.10	-0.7	-0.04	2.8	0.13
CF	Pharmaceutical products	-3.2	-0.17	3.5	0.18	3.9	0.20
CG	Rubber and plastic products	0.8	0.05	-0.6	-0.03	-0.4	-0.02
CH	Metal products	1.9	0.16	0.8	0.06	0.1	0.01
CI	Computer, electronic and optical	-0.5	-0.02	13.8	0.47	-1.1	-0.04
CJ	Electrical equipment	0.0	0.00	-5.6	-0.13	0.9	0.02
CK	Machinery and equipment	-2.3	-0.12	1.0	0.05	-0.4	-0.02
CL	Transport equipment	2.3	0.25	-0.2	-0.02	0.0	0.00
CM	Other manufacturing and repair	0.2	0.02	-0.8	-0.05	1.4	0.10
Sector D	Total Electricity and Gas	1.9	0.23	-1.0	-0.12	-0.3	-0.04
35.1	Electric power generation, transmission and distribution	1.2	0.10	-0.9	-0.08	-0.4	-0.03
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	4.0	0.13	-1.2	-0.04	-0.2	-0.01
Sector E	Total Water	0.3	0.02	0.5	0.04	-0.7	-0.05
36	Water collection, treatment and supply	0.7	0.01	0.2	0.00	-2.4	-0.05
37	Sewerage	-0.2	0.00	-1.8	-0.04	-1.8	-0.04

38	Waste collection, treatment and disposal activities; materials recovery	0.4	0.01	2.5	0.07	1.2	0.04
39	Remediation activities and other waste management services	3.1	0.00	2.2	0.00	0.2	0.00

Source: Office for National Statistics

4 . What is contributing to the quarter-on-quarter increase?

Total production output for Quarter 3 (July to Sep) 2018 increased by 0.8%, reversing the fall in Quarter 2 (Apr to June) 2018 of 0.8%. This is the strongest three-monthly growth since November 2017, when output rose by 1.1%. However, overall strength during the latest quarter should be noted with caution, considering monthly total production output has remained flat since July 2018.

The current three-monthly growth is due primarily to:

- rises in all four main sectors
- a 0.6% increase in manufacturing output
- an increase of 1.9% in electricity and gas supply

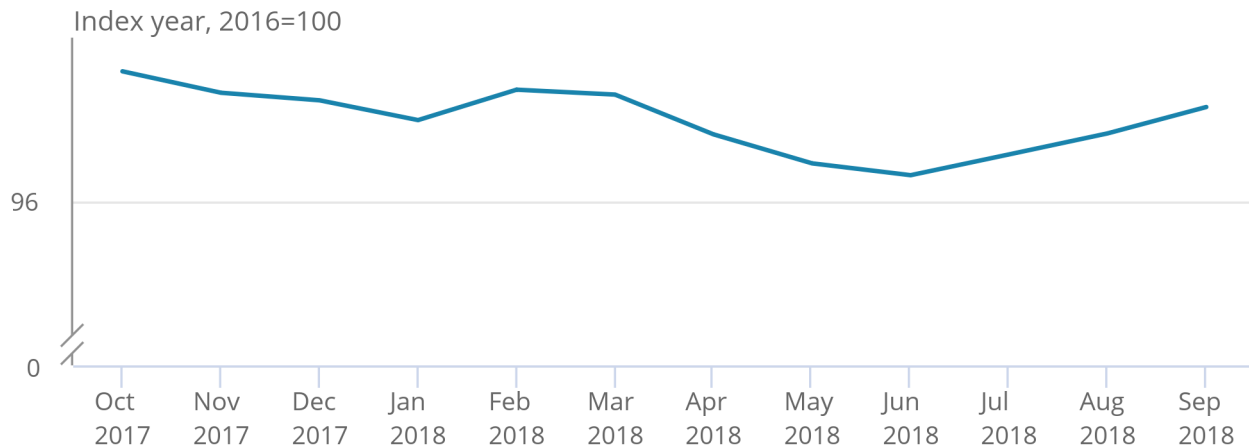
Strength in total manufacturing output is broad-based, with 8 of the 13 sub-sectors increasing, led by transport equipment, which rose by 2.3%. Providing the largest contribution within this sub-sector was motor vehicles, trailers and semi-trailers, which rose by 3.4%, the strongest three-monthly growth since September 2017, when it rose by 3.6%. However, growth within this sub-industry during Quarter 3 2018, is due mainly to a comparatively weak Quarter 2 2018 (Figure 3) allied to strength from exports, which displays a non-seasonally adjusted growth of 7.9% in nominal export turnover growth for Quarter 3 2018, compared with Quarter 3 2017.

Figure 3: Index of Motor Vehicles, Trailers and Semi-Trailers (Division 29), UK

Seasonally adjusted, October 2017 to September 2018

Figure 3: Index of Motor Vehicles, Trailers and Semi-Trailers (Division 29), UK

Seasonally adjusted, October 2017 to September 2018



Source: Monthly Business Survey - Office for National Statistics

We intend publishing an article exploring recent developments in the motor trades and motor vehicles production industries in the next few months.

Basic metals and metal products provide supporting growth of 1.9%. This is due mainly to a weak Quarter 2 2018, which fell by 4.5%, rather than any notable strength displayed during Quarter 3 2018.

Food, beverages and tobacco increased by 1.0%, driven by strength within soft drinks, mineral waters and bottles waters, which rose by 9.0%. This was the strongest three-monthly growth since a rise of 10.1% in July 2014, due mainly to increased demand during the period of sustained hot weather during July 2018.

In contrast, and providing the largest fall in quarterly manufacturing output, is basic pharmaceutical products, which fell by 3.2%, due primarily to strength during June 2018 when monthly output increased by 6.2%, driven by strong nominal export turnover growth of 40.0%. However, it should be noted that growth within this sub-sector can be volatile.

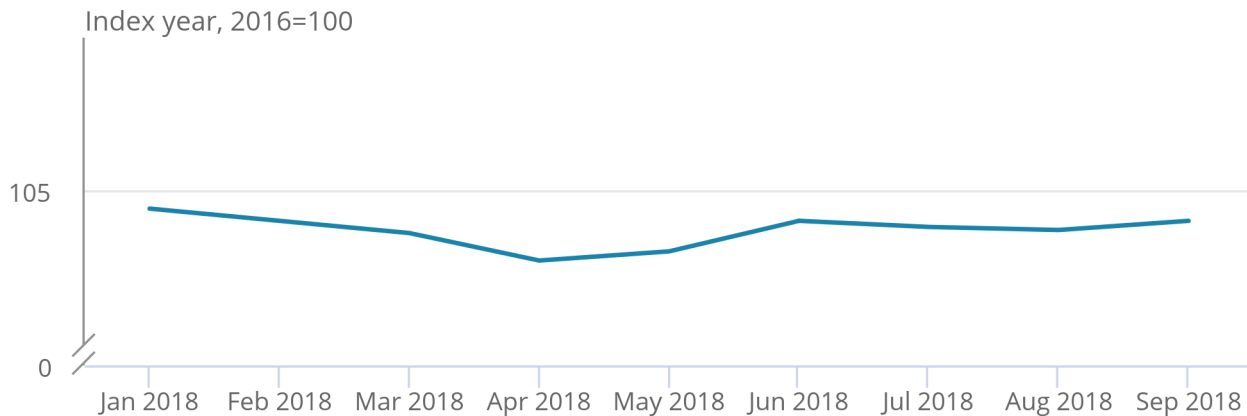
Despite recent signs of a recovery in manufacturing output, following three consecutive periods of three-monthly growth during July, August and September 2018, recent strength is due, in part, to the three-monthly weakness to June 2018 when it fell by 0.7%. Figure 4 shows that the fall in Quarter 2 2018 was driven primarily by widespread weakness during April 2018, when monthly output fell by 0.9%.

Figure 4: Index of Manufacturing, UK

Seasonally adjusted, January 2018 to September 2018

Figure 4: Index of Manufacturing, UK

Seasonally adjusted, January 2018 to September 2018



Source: Monthly Business Survey - Office for National Statistics

The rise of 1.9% in electricity and gas supply supports the overall rise in total production output. This is due primarily to weakness during Quarter 2 2018, driven by falls in monthly output during April 2018 of 3.0% and May 2018 of 4.2%.

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

Monthly total production output remains flat at 0.0% in September 2018, following 0.0% growth during August 2018 and a rise of 0.4% during July 2018. Negligible growth this month is due primarily to:

- total manufacturing output increasing by 0.2%
- decreases from mining and quarrying of 1.6%, water and waste of 0.7% and electricity and gas supply of 0.3%, which wholly offset manufacturing growth.

Strength within manufacturing is not broad-based, with only 6 of the 13 sub-sectors displaying increased output. Of these, only basic pharmaceutical products (3.9%), chemicals and chemical products (2.8%) and other manufacturing and repair (1.4%), display any notable positive contribution to growth. Strength within basic pharmaceutical products and chemicals and chemical products are export-driven.

In contrast, there was a notable negative contribution from food products, beverages and tobacco, which fell by 1.3%, partially offsetting overall manufacturing growth. Weakness within this sub-sector, although broad-based, is led by notable falls of 5.4% within soft drinks, mineral waters and bottled water, due to a very high August 2018, and 1.8% within alcoholic beverages

Mining and quarrying decreased by 1.6% due mainly to a fall of 1.9% in oil and gas extraction due to maintenance shutdowns carried over from August 2018.

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

Total production output for Quarter 3 (July to Sep) 2018 has increased by 0.7%, compared with Quarter 3 2017. Growth is due primarily to:

- rises in three of the four main sectors
- an increase of 1.0% for total manufacturing output

The strength within manufacturing output is not broad-based, with only 6 of the 13 sub-sectors increasing. Overall growth in this sector is therefore driven by notable increases from:

- computer, electronic and optical products at 13.8%
- food products, beverages and tobacco at 3.0%.

The strength within computer, electronic and optical products is underpinned by an increase of 10.8% in nominal total turnover growth for Quarter 3 2018, compared with Quarter 3 2017.

Within food products, beverages and tobacco, there were notable upward contributions from three sub-industries, bakery and farinaceous products at 5.1%; soft drinks, mineral waters and bottled water at 16.3%; and alcoholic beverages at 6.2%. These are all underpinned by increases in nominal total turnover growth for Quarter 3 2018 compared with Quarter 3 2017. Strength in both soft drinks and alcoholic drinks was due primarily to the impact of the sustained period of hot weather this summer, especially during July 2018, [where the provisional UK mean temperature was 17.3 °C, which is 2.2 °C above the 1981-2010 long-term average](#), making it provisionally the joint second warmest July (alongside 1983, after 2006) in a series from 1910.

Supporting the seasonally adjusted growth in total manufacturing output is a non-seasonally adjusted increase in nominal total manufacturing turnover of 2.7%. This was driven by an increase in nominal total manufacturing export and domestic growth of 4.9% and 1.6% respectively, published today (9 November 2018) in our [Monthly Business Survey turnover in production industries](#) dataset alongside this release.

Partially offsetting overall total production growth is a fall in electricity and gas supply of 1.0%. Within this sector, the fall of 1.2% from gas distribution and supply is due to reduced demand, again due to higher temperatures, primarily during July 2018, as indicated earlier.

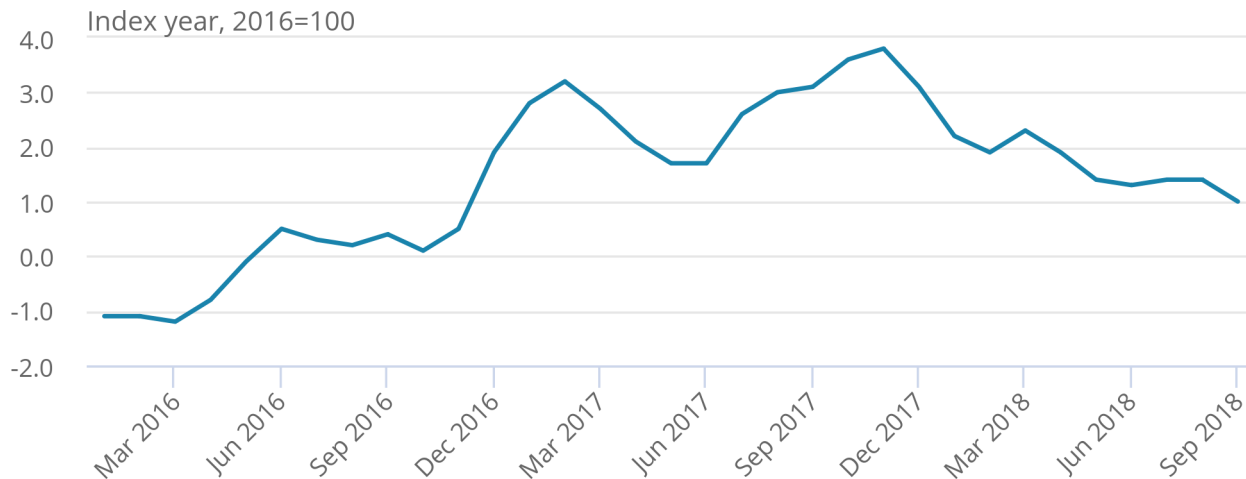
The three months on three months a year ago rate for manufacturing output displays growth for the 28th consecutive period, following a 0.1% fall in May 2016. However, it is helpful to understand the longer-term trend, which clearly shows that since growth peaked in November 2017 at 3.8%, output has slowed (Figure 5).

Figure 5: Index of Manufacturing three months on three months a year ago growth, UK

Seasonally adjusted, January 2016 to September 2018

Figure 5: Index of Manufacturing three months on three months a year ago growth, UK

Seasonally adjusted, January 2016 to September 2018



Source: Monthly Business Survey - Office for National Statistics

7 . Upcoming changes

In the next few months, we intend publishing an article exploring recent developments in the motor trades and motor vehicles production industries.

8 . 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 (9 November 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.

9 . Quality and methodology

The Index of Production (IoP) measures the UK output in the mining and quarrying; manufacturing; energy supply; and water supply and waste management industries. The IoP estimates are based mainly on data from the Monthly Business Survey (MBS).

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

For the mining and quarrying, and energy supply sectors, and two manufacturing industries, namely coke and refined petroleum, and basic iron and steel, we receive volume data from the [Department for Business, Energy and Industrial Strategy \(BEIS\)](#) and the [International Steel Statistics Bureau \(ISSB\)](#) respectively. Unless otherwise stated, all estimates included in this release are based on seasonally adjusted data.

The [Monthly Business Survey turnover in production industries dataset](#) produces the proportion of turnover from exports by industry and level of turnover and exports (£ millions). However, this is not always comparable with UK trade statistics, for many reasons. These include, but are not limited to:

- different data sources – MBS are based on a survey of businesses; UK trade in goods uses administrative data collected by HM Revenue and Customs (HMRC)
- different concepts being measured – MBS reports the value of exports as a proportion of the industry's turnover; the UK trade in goods data report the change in ownership between the UK and other countries
- time lag – there can be time lags between the sale of a product reported in MBS and the movements of that product reported by UK trade

Further information on UK trade and how data on it are compiled can be found in the Things you need to know about this release section of the [UK trade release](#).

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

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

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

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

Within the suite of datasets published monthly alongside this release, you will find:

- [Output of the production industries](#) (IOP5) publication tables
- [Revisions to output of the production industries](#) (IOP5R)
- [Monthly Business Survey response rates](#) for production industries for this publication
- [Revision triangle](#) – monitors the size of monthly and three-monthly revisions
- [Index of Production weights 2016 equals 100](#)
- [Index of Production and industry sectors to four decimal places](#)
- [Monthly Business Survey turnover in production industries](#)
- [Export proportions for manufacturing industries](#)

The [Index of Production Quality and Methodology Information report](#) contains important information on:

- the strengths and limitations of the data and how it compares with related data
- uses and users of the data
- how the output was created
- the quality of the output including the accuracy of the data

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

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IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2016 = 100

Section	Broad industry groups						Main industrial groupings					
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy	
	B+C+D+E	B	C	D	E	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 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	
Q3	103.1	102.7	103.9	98.8	102.8	101.6	113.1	100.5	109.3	102.2	99.4	
2017 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	102.7 [†]	103.8 [†]	99.1 [†]	102.9 [†]	101.8 [†]	113.9	100.9 [†]	109.0 [†]	102.1	99.5	
Aug	103.1 [†]	103.5	103.7	98.8	103.1	102.4	112.9	100.1	109.4	102.2 [†]	99.8	
Sep	103.0	101.8	104.0	98.4	102.4	100.5	112.4	100.5	109.6	102.2	98.8	
Percentage change, latest year on previous year												
2013	-0.7	-2.8	-1.0	-0.1	4.2	-8.2	-1.3	-0.9	1.0	-0.7	-3.5	
2014	1.5	0.6	2.9	-0.6	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 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	0.9 [†]	1.3 [†]	-0.2 [†]	0.5 [†]	1.7 [†]	13.1 [†]	2.8 [†]	1.3 [†]	-	0.2	
Aug	1.0 [†]	2.1	1.3	-0.9	1.0	2.0	9.7	1.3	2.3	0.5 [†]	0.1	
Sep	-	-1.8	0.5	-1.8	0.2	-3.1	7.7	2.1	1.0	-0.9	-2.3	

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.

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											
2016 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	1.7	-1.2	2.1	2.1	1.6	-0.4	-3.2	0.3	-1.3	1.6
Feb	-0.8	-0.6	-0.5	-4.0	0.6	-1.4	0.8	-2.3	1.0	-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	3.5 [†]	-0.2 [†]	3.4 [†]	-1.5 [†]	5.5 [†]	0.4 [†]	-1.5 [†]	0.2 [†]	0.5	3.4 [†]
Aug	- [†]	0.8	-0.1	-0.3	0.2	0.6	-0.8	0.3	0.3	0.1 [†]	0.2
Sep	-	-1.6	0.2	-0.3	-0.7	-1.9	-0.4	0.4	0.3	-0.1	-1.0
Percentage change, latest 3 months on same 3 months a year ago²											
2016 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	2.8	7.5	5.5	2.9	3.8	1.3	5.0	2.0	4.7
Feb	3.3	1.7	3.2	4.1	5.5	2.5	5.0	-0.1	7.0	2.3	2.9
Mar	2.4	2.5	2.7	-1.3	6.4	2.3	3.8	-1.2	7.0	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	-2.5 [†]	1.4	-1.9 [†]	0.5 [†]	-3.5 [†]	10.9 [†]	2.3 [†]	2.7 [†]	-0.4	-2.7 [†]
Aug	0.9 [†]	-1.1	1.4 [†]	-1.0	1.0	-1.9	9.9	2.3	2.3	0.2	-1.4
Sep	0.7	0.4	1.0	-1.0	0.5	0.2	10.2	2.1	1.5	-0.1	-0.7

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.

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

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2016 = 100

		Broad industry groups					Main industrial groupings					
		Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
Section		B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight		1 000.0	75.4	726.2	126.0	72.4	52.6	49.3	204.4	240.5	267.9	219.9
		K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
Percentage change, latest 3 months on previous 3 months²												
2016	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	-0.8	2.3	3.0	1.5	-1.0	1.5	2.7	2.3	2.1	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
	Mar	0.4	3.5	0.7	-4.0	2.8	3.9	-0.1	-1.5	3.2	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	-4.2 [†]	1.5 [†]	-2.5	1.5 [†]	1.9 [†]	-0.8 [†]	0.3	-3.3 [†]
	Aug	0.6 [†]	1.3 [†]	0.7 [†]	-1.3	1.7	0.1 [†]	-0.2	1.7	-0.1	1.2	-0.7
	Sep	0.8	1.7	0.6	1.9	0.3	1.7	-0.6	-0.2	0.6	1.3	1.7

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.

[†] 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
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	102.8	102.2	101.3	102.4	94.6
2017 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
Q3	103.7	99.6	102.3	95.8	102.4	97.2
2017 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	104.3 ^T	101.3 ^T	103.7	92.6 ^T	102.4 ^T	95.3 ^T
Aug	104.1	100.0	101.4 ^T	97.5	101.0	96.2
Sep	102.8	97.7	101.6	97.2	103.8	100.0

Percentage change, latest year on previous year

2013	-1.7	-4.4	2.3	-1.9	-1.1	-2.7
2014	4.2	-2.6	1.1	-8.9	2.8	-4.8
2015	-0.1	-0.9	0.8	2.5	5.4	0.9
2016	0.7	-2.6	-1.7	-1.4	-5.5	2.2
2017	1.0	2.8	2.2	1.3	2.4	-5.4

Percentage change, latest month on same month a year ago

2016 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	-6.7	2.7	-2.0	1.4	4.2
Feb	0.1	1.8	2.6	1.4	-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	3.1 ^T	-2.7 ^T	3.0	-2.2 ^T	-	3.6 ^T
Aug	3.0	-2.3	0.2 ^T	-1.1	-2.0	1.9
Sep	2.8	-3.6	-0.8	-5.9	-0.2	5.1

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

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
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	104.7	109.3	104.1	107.7
2017 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
Q3	99.3	102.1	118.7	99.6	111.3	105.0	108.5
2017 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	99.7 ^T	102.0 ^T	119.3 ^T	99.0 ^T	111.7 ^T	104.0 ^T	108.7 ^T
Aug	99.4	102.2	119.0	99.5	111.4	105.6	107.6
Sep	98.9	102.3	117.7	100.4	111.0	105.6	109.1

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	4.7	9.3	4.1	7.7

Percentage change, latest month on same month a year ago

2016 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	-3.0	4.4	1.7	7.4	6.3	8.3
Feb	-0.8	-2.5	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	0.3 ^T	2.1 ^T	17.5 ^T	-8.2 ^T	3.0 ^T	-2.9 ^T	-0.6 ^T
Aug	-0.3	0.5	14.1	-2.4	1.9	1.3	-0.3
Sep	-1.7	-0.3	9.9	-5.9	-1.7	1.2	-1.4

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^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						
2016 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	2.5	0.8	0.2	2.1	-13.7
Feb	0.5	1.2	-2.3	0.1	-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	1.1 [†]	1.2 [†]	2.2	-0.4 [†]	1.2 [†]	-9.4 [†]
Aug	-0.2	-1.3	-2.2 [†]	5.2	-1.3	0.9
Sep	-1.3	-2.3	0.2	-0.2	2.8	3.9
Percentage change, latest 3 months on same 3 months a year ago						
2016 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	0.9	-3.5	-2.1	10.2
Feb	0.6	-2.6	2.4	-1.6	-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	2.6 [†]	-2.5 [†]	0.8	-8.4 [†]	-1.2 [†]	5.4 [†]
Aug	2.7	-2.4	1.0 [†]	-5.0	-1.3	5.0
Sep	3.0	-2.9	0.7	-3.1	-0.7	3.5

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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†							
2016 Jul	-0.7	1.1	2.7	-2.1	1.9	-2.0	-1.7
Aug	0.4	0.1	-0.4	-0.2	2.1	2.3	-1.2
Sep	1.4	-1.1	-0.8	2.2	-0.3	-1.2	3.3
Oct	0.2	-3.2	2.9	2.0	-1.9	-1.2	-1.2
Nov	0.6	2.3	-1.2	4.1	3.4	1.2	-1.7
Dec	-0.9	7.1	6.1	-1.7	3.0	1.0	3.9
2017 Jan	-0.2	-5.3	-3.1	-0.2	-0.7	2.4	2.0
Feb	-1.0	-0.7	-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	-0.8 [†]	0.9 [†]	0.7 [†]	1.7 [†]	-1.6 [†]	1.3 [†]	-1.2 [†]
Aug	-0.3	0.2	-0.2	0.6	-0.3	1.5	-1.0
Sep	-0.4	0.1	-1.1	0.9	-0.4	-	1.4
Percentage change, latest 3 months on same 3 months a year ago							
2016 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	1.2	4.8	2.2	6.7	4.6	7.1
Feb	0.7	0.4	5.9	2.5	9.7	6.5	9.5
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	-0.2 [†]	14.5 [†]	-6.1 [†]	5.9 [†]	-0.3 [†]	0.7 [†]
Aug	0.7 [†]	0.5	13.2	-6.6	4.7	0.3	-
Sep	-0.6	0.8	13.8	-5.6	1.0	-0.2	-0.8

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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							
2016	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	0.1	2.1	3.1	1.3	9.7
	Feb	0.9	1.9	1.7	-1.7	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	2.0 [†]	1.1	-1.6 [†]	0.2 [†]	3.5 [†]
	Aug	1.5	0.8	0.8 [†]	-0.8	1.2	2.4
	Sep	1.0	-0.3	0.9	1.4	2.0	-3.2

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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 3 months on previous 3 months

2016	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	2.6	3.5	5.0	3.8	1.5	1.8
	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	-3.3 [†]	2.5 [†]	-0.7 [†]	-2.9 [†]	-1.0 [†]	0.8
	Aug	2.0 [†]	0.4	-0.1	-1.5	-3.1	1.0	0.8 [†]
	Sep	0.8	1.9	-0.5	-	-2.3	2.3	0.2

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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
- [Page 2](#) Percentage change, latest month on previous month
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
- [Page 5](#) Output by Manufacturing sub-sectors part 2
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
Percentage change, latest 3 months on same 3 months a year ago
- [Page 7](#) Percentage change, latest month on previous month part 2
Percentage change, latest 3 months on same 3 months a year ago
- [Page 8](#) Percentage change, latest 3 months on previous 3 months part 1
- [Page 9](#) Percentage change, latest 3 months on previous 3 months part 2
- [Enquiries](#)

IOP5R

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

Seasonally adjusted 2016 = 100

Section	Broad industry groups					Main industrial groupings					
	Production industries B+C+D+E	Mining and quarrying B	Manufacturing C	Electricity, gas, steam and air conditioning D	Water supply, sewerage and waste management E	Oil and gas extraction 06	Consumer durables MIG-CD	Consumer non-durables MIG-CND	Capital goods MIG-CAG	Intermediate goods MIG-IG	Energy MIG-NRG
Latest weight	1 000.0	75.4	726.2	126.0	72.4	52.6	49.3	204.4	240.5	267.9	219.9
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2013	-	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-
2017 Q2	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-
2017 Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-0.1	-0.2	1.6	-1.2	-0.2	-0.8	-0.3	-0.3	-	0.8
Aug	-0.3	-1.4	-0.1	-0.5	-1.7	-2.2	-0.9	-0.4	0.3	-0.1	-0.7
Percentage change, latest year on previous year											
2013	-	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-
Percentage change, latest month on same month a year ago											
2016 Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-0.1	-0.1	1.6	-1.2	-0.2	-0.9	-0.3	-0.2	-	0.9
Aug	-0.3	-1.4	-	-0.5	-1.6	-2.2	-0.9	-0.4	0.2	-0.1	-0.7

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	Broad industry groups					Main industrial groupings					
	Production industries B+C+D+E	Mining and quarrying B	Manufacturing C	Electricity, gas, steam and air conditioning D	Water supply, sewerage and waste management E	Oil and gas extraction 06	Consumer durables MIG-CD	Consumer non-durables MIG-CND	Capital goods MIG-CAG	Intermediate goods MIG-IG	Energy MIG-NRG
Latest weight	1 000.0	75.4	726.2	126.0	72.4	52.6	49.3	204.4	240.5	267.9	219.9
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
Percentage change, latest month on previous month											
2016 Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-0.2	-0.2	1.7	-1.2	-0.2	-0.8	-0.3	-0.2	-	0.9
Aug	-0.2	-1.3	0.1	-2.1	-0.4	-2.0	-	-	0.4	-0.1	-1.7
Percentage change, latest 3 months on same 3 months a year ago											
2016 Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-0.1	-	0.5	-0.3	-0.1	-0.2	-0.1	-0.1	-	0.2
Aug	-0.1	-0.5	-0.1	0.4	-0.9	-0.7	-0.6	-0.2	-	-	-

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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

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 3 months on previous 3 months											
2016 Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	0.5	-0.4	-	-0.3	-0.1	-0.1	-	0.3
Aug	-0.1	-0.5	-0.1	0.4	-0.9	-0.8	-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

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

Seasonally adjusted 2016 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	111.5	29.8	53.6	9.9	48.6	55.1
	K22B	K22P	K22T	K22X	K22Z	K239
2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-
2017	-	-	-	-	-	-
2017 Q2	-	-	-	-	-	-
2017 Q3	-	-	-	-	-	-
2017 Q4	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-
2018 Q2	-	-	-	-	-	-
2017 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	0.2	0.5	-	-0.8	0.4	-2.1
2018 Aug	-0.3	-1.6	-0.6	3.2	1.3	-0.3
Percentage change, latest year on previous year						
2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-
2017	-	-	-	-	-	-
Percentage change, latest month on same month a year ago						
2016 Jun	-	-	-	-	-	-
2016 Jul	-	-	-	-	-	-
2016 Aug	-	-	-	-	-	-
2016 Sep	-	-	-	-	-	-
2016 Oct	-	-	-	-	-	-
2016 Nov	-	-	-	-	-	-
2016 Dec	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-
2017 Feb	-	-	-	-	-	-
2017 Mar	-	-	-	-	-	-
2017 Apr	-	-	-	-	-	-
2017 May	-	-	-	-	-	-
2017 Jun	-	-	-	-	-	-
2017 Jul	-	-	-	-	-	-
2017 Aug	-	-	-	-	-	-
2017 Sep	-	-	-	-	-	-
2017 Oct	-	-	-	-	-	-
2017 Nov	-	-	-	-	-	-
2017 Dec	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-
2018 Feb	-	-	-	-	-	-
2018 Mar	-	-	-	-	-	-
2018 Apr	-	-	-	-	-	-
2018 May	-	-	-	-	-	-
2018 Jun	-	-	-	-	-	-
2018 Jul	0.2	0.5	-	-0.9	0.3	-2.3
2018 Aug	-0.3	-1.6	-0.5	3.2	1.3	-0.4

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

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

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	59.7	84.4	33.6	23.5	44.9	107.6	64.0
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2013	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
2017 Q2	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-
2017 Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	0.1	-0.3	-1.2	0.7	-1.2	0.5	-0.1
Aug	-0.3	-0.9	-1.4	2.2	0.1	1.3	-0.5
Percentage change, latest year on previous year							
2013	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
Percentage change, latest month on same month a year ago							
2016 Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	0.1	-0.3	-1.2	0.7	-1.1	0.4	-0.1
Aug	-0.4	-0.9	-1.4	2.2	-	1.2	-0.5

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

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continued

Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2016 = 100

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

Percentage change, latest month on previous month

2016 Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	0.2	0.5	-	-0.9	0.3	-2.0
Aug	-0.4	-2.1	-0.5	4.2	1.0	1.9

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

2016 Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	0.1	0.1	-	-0.3	0.1	-0.8
Aug	-	-0.4	-0.1	0.8	0.6	-0.9

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†							
2016 Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	0.1	-0.3	-1.1	0.7	-1.1	0.4	-0.1
Aug	-0.4	-0.6	-0.1	1.6	1.1	0.8	-0.3
Percentage change, latest 3 months on same 3 months a year ago†							
2016 Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-0.1	-0.4	0.3	-0.4	0.1	-0.1
Aug	-0.1	-0.4	-0.8	1.0	-0.4	0.5	-0.1

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

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

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continued

Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2016 = 100

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

Percentage change, latest 3 months on previous 3 months

2016	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	0.2	-	-0.3	0.1	-0.7
	Aug	-	-0.4	-0.2	0.8	0.6	-0.9

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	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	59.7	84.4	33.6	23.5	44.9	107.6	64.0
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

Percentage change, latest 3 months on previous 3 months

2016	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-0.1	-0.4	0.2	-0.4	0.2	-
	Aug	-0.1	-0.4	-0.7	1.0	-0.3	0.5	-0.2

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