

Statistical bulletin

# Index of Production, UK: June 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.



Contact:  
Mark Stephens  
[indexofproduction@ons.gov.uk](mailto:indexofproduction@ons.gov.uk)  
+44 (0) 1633 456387

Release date:  
10 August 2018

Next release:  
10 September 2018

## Table of contents

1. [Main points](#)
2. [Things you need to know about this release](#)
3. [Production in detail](#)
4. [Links to related statistics](#)
5. [Quality and methodology](#)

# 1 . Main points

- In Quarter 2 (Apr to June) 2018, the Index of Production fell by 0.8% compared with Quarter 1 (Jan to Mar) 2018, due to a fall of 0.9% in manufacturing and a fall in energy supply of 2.7%.
- In June 2018, total production was estimated to have increased by 0.4% compared with May 2018, due to increases in manufacturing of 0.4% and water and waste of 1.6%.
- The monthly increase in manufacturing output of 0.4% was supported by increases in 7 of the 13 sub-sectors, led by basic pharmaceutical products (4.5%), rubber and plastic products (3.0%) and basic metals and metal products (1.3%).
- In Quarter 2 2018, the Index of Production increased by 1.4% compared with Quarter 2 2017, due primarily to a rise in manufacturing of 1.3%.

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

In this release, the earliest period open for revision was April 2018. This is in line with the [National Accounts Revisions Policy](#).

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 Value Added Tax (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.

Due to the move to our new monthly GDP publication approach, estimates for June 2018 are sourced from a lower number of survey replies. However, the response rate for June 2018 is higher than the previous GDP publication approach, where the preliminary estimate included a forecast for the last month in a calendar quarter. The impact has been reduced by ensuring main contributors have responded. [Current and historic MBS response rates](#) are published alongside this release.

## 3 . Production in detail

Figures 1 and 2 show that both the Index of Production (IoP) and Index of Manufacturing (IoM) followed a broadly upward trend following the economic downturn. Growth was more pronounced from the beginning of 2010, as the economy recovered, before a downturn during 2012. Production and manufacturing output have risen but remain 6.2% and 2.4% lower, respectively, in Quarter 2 (Apr to June) 2018 than the pre-downturn gross domestic product (GDP) peak in Quarter 1 (Jan to Mar) 2008.

# Figure 1: Index of Production in the UK

Seasonally adjusted, January 2008 to June 2018, UK

Economic downturn

# Figure 1: Index of Production in the UK

Seasonally adjusted, January 2008 to June 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.

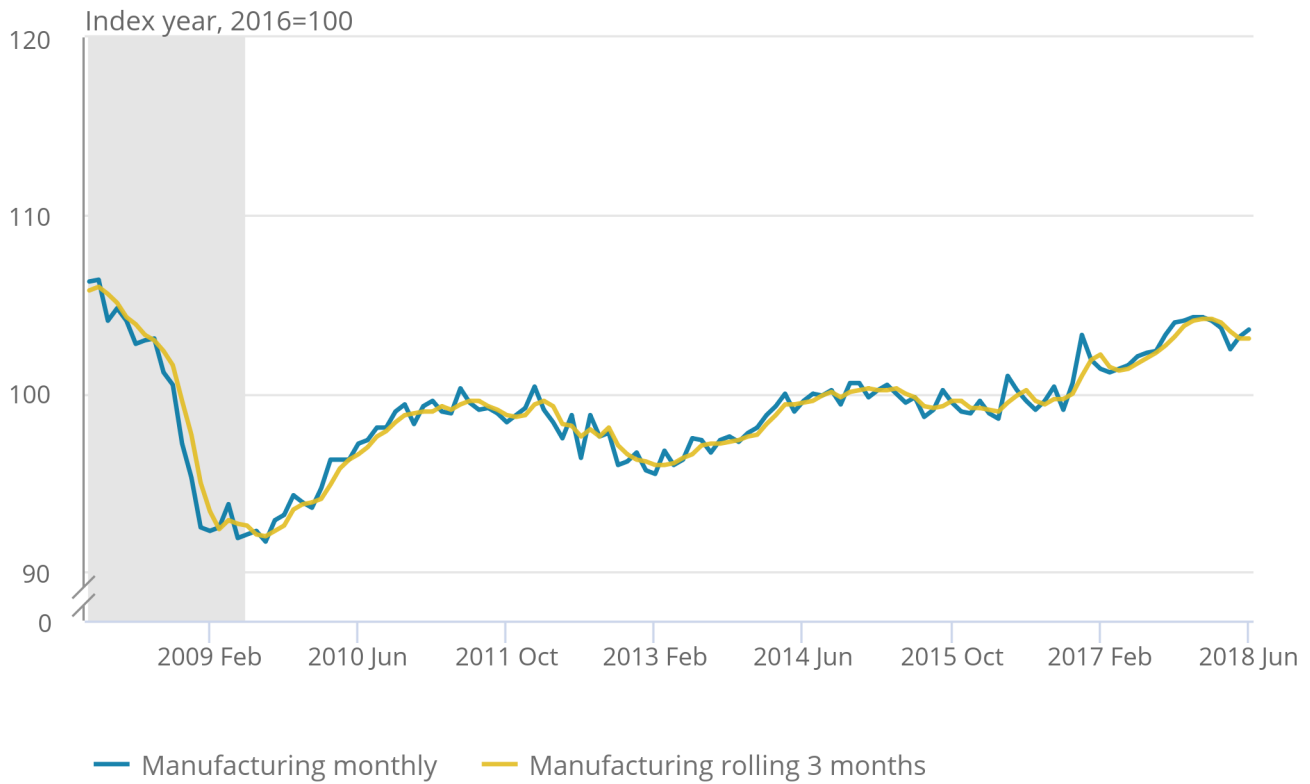
## Figure 2: Index of Manufacturing in the UK

Seasonally adjusted, January 2008 to June 2018, UK

Economic downturn

## Figure 2: Index of Manufacturing in the UK

Seasonally adjusted, January 2008 to June 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 June 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, June 2018, UK**

		3 months on previous 3 months		3 months on previous 3 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	-0.83	1.4	1.38	0.4	0.41
Sector B	Total Mining and Quarrying	0.7	0.05	0.3	0.02	-0.5	-0.04
5	Coal and Lignite	10.8	0.00	4.7	0.00	-5.9	0.00
6	Crude petroleum and Natural gas	0.0	0.00	1.1	0.06	-0.9	-0.04
789	Other mining and quarrying	2.0	0.04	-1.6	-0.04	0.3	0.01
Sector C	Total Manufacturing	-0.9	-0.68	1.3	0.98	0.4	0.29
CA	Food, beverages and tobacco	1.1	0.12	1.3	0.15	0.7	0.08
CB	Textiles and leather products	1.3	0.04	2.8	0.08	-2.2	-0.07
CC	Wood, paper and printing	-0.6	-0.03	1.3	0.07	-0.7	-0.04
CD	Coke and petroleum	0.7	0.01	-9.6	-0.10	-0.3	0.00
CE	Chemical products	-1.1	-0.05	-3.3	-0.16	-1.0	-0.05
CF	Pharmaceutical products	3.1	0.16	3.5	0.18	4.5	0.24
CG	Rubber and plastic products	-0.7	-0.04	0.2	0.01	3.0	0.17
CH	Metal products	-4.6	-0.40	-0.6	-0.05	1.3	0.11
CI	Computer, electronic and optical	2.4	0.09	12.2	0.42	0.8	0.03
CJ	Electrical equipment	-6.4	-0.14	-10.9	-0.26	-8.3	-0.18
CK	Machinery and equipment	-4.5	-0.23	8.1	0.38	-2.8	-0.14
CL	Transport equipment	-1.6	-0.18	1.4	0.15	0.6	0.06
CM	Other manufacturing and repair	-0.2	-0.02	1.7	0.11	1.1	0.08
Sector D	Total Electricity and Gas	-2.7	-0.34	0.8	0.09	0.3	0.04
35.1	Electric power generation, transmission and distribution	-1.1	-0.10	1.4	0.13	0.2	0.02
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	-6.7	-0.24	-1.0	-0.03	0.6	0.02
Sector E	Total Water	1.9	0.14	3.9	0.29	1.6	0.12
36	Water collection, treatment and supply	1.7	0.03	1.7	0.04	1.4	0.03
37	Sewerage	0.2	0.00	10.9	0.23	3.0	0.07

38	Waste collection, treatment and disposal activities; materials recovery	3.6	0.10	0.8	0.02	0.7	0.02
39	Remediation activities and other waste management services	2.6	0.00	-4.1	0.00	1.9	0.00

Source: Office for National Statistics

## Manufacturing

Manufacturing output in Quarter 2 2018 compared with Quarter 1 2018 has decreased by 0.9%, due to widespread weakness across the sector, with falls in 8 of the 13 sub-sectors.

The Quarter 2 2018 weakness was due primarily to:

- a fall of 4.6% in metal products, led by fabricated metal products, which fell by 3.3% and continues the recent weakness in this industry since the start of 2018
- a fall of 1.6% in transport equipment, led by motor vehicles, trailers and semi-trailers, which fell by 3.9%, the weakest growth since the three months to February 2014 when it fell by 4.1%; this was supported by a fall in nominal total turnover, led by a decrease in domestic turnover of 8.6% and export turnover of 10.0% for this industry; this was published today (10 August 2018) in the [Monthly Business Survey turnover in production industries](#) dataset.
- a 4.5% fall for machinery and equipment not elsewhere classified, which displays the weakest three-month growth since July 2015, when it fell by 4.9%; responder-led evidence suggested that there was more impact during Quarter 1 2018 from the erratic nature of infrastructure projects compared with Quarter 2 2018

This is the fourth consecutive decrease in three-monthly total manufacturing output since February 2018. In the past few releases of this bulletin, we have alerted users to a marked slowdown in output in this sector over the latter part of 2017 and the beginning of 2018. This slowdown over a longer time span can be understood further when considering current price non-seasonally adjusted manufacturing growth, for export and domestic turnover for three-months-on-three-months a year ago (Figure 3).

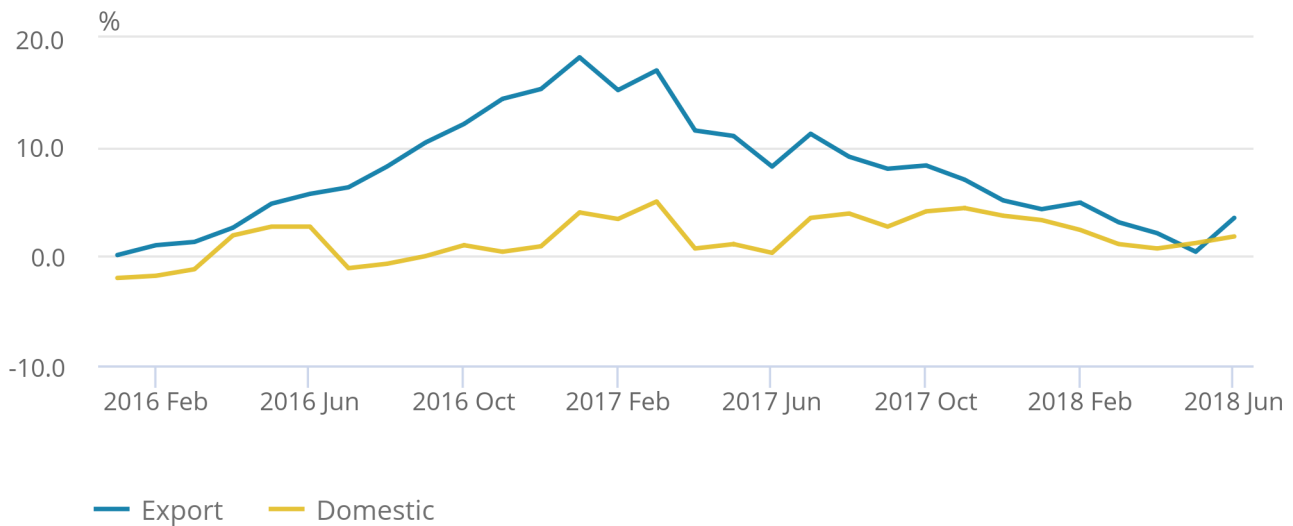


### Figure 3: Manufacturing three-month on three-month a year ago, growth rates, UK

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

### Figure 3: Manufacturing three-month on three-month a year ago, growth rates, UK

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



Source: Monthly Business Survey - Office for National Statistics

#### Notes:

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

Figure 3 shows that growth in export turnover peaked in January 2017 at 18.2%. In contrast, domestic turnover growth peaked in March 2017 at 5.0%. Export turnover has gradually declined since January 2017 to 3.5% for the three months to June 2018, compared with the same three months to June 2017. Notably, export growth surpassed domestic growth in June 2018 having fallen behind domestic growth during May 2018.

The monthly rise of 0.4% in manufacturing is the second consecutive increase in this sector, following growth of 0.6% in May 2018.

The monthly increase of 0.4% is due primarily to:

- a rise of 4.5% in basic pharmaceutical products, continuing the recent strength since April 2018; this is supported by an increase in nominal export turnover growth of 17.3%, published today (10 August 2018) in the [Monthly Business Survey turnover in production industries](#) dataset
- a rise of 3.0% in rubber and plastic products, due to widespread strength throughout the sub-sector; this is the strongest growth since April 2016 when it rose by 3.5%

Within the food and beverages sector, which rose by 0.7%, it should be noted that despite the continuation of the good weather during June 2018 allied to the FIFA World Cup, we received no responder-led evidence to suggest that any underlying strength was due to those factors.

The three months on three months a year ago growth of 1.3% is due to:

- widespread strength throughout the sector, with 9 of the 13 sub-sectors increasing
- nominal total manufacturing turnover increasing by 2.3% compared with the same three months a year ago

## Electricity and gas

For Quarter 2 2018 compared with Quarter 1 2018, electricity and gas output has decreased by 2.7%, due mainly to gas supply, which fell by 6.7%. This decrease is due mainly to:

- higher than average temperatures across Quarter 2 2018 resulting in less demand for gas; according to the Met Office, [the provisional UK mean temperature was above the 1981 to 2010 long-term average for April, May and June 2018](#)
- lower than average temperatures across Quarter 1 2018, which saw demand for gas increase

## Mining and quarrying

In the three months to June 2018, mining and quarrying output rose by 0.7%, due to an increase within other mining and quarrying of 2.0%. This is the strongest growth since July 2017, when it also rose by 2.0%.

In contrast, monthly output decreased by 0.5%, led by a fall of 0.9% in oil and gas extraction, due to planned maintenance during June 2018.

## Water and waste

In the three months to June 2018 compared with the three months to March 2018, output in water supply and waste management increased by 1.9%, due mainly to an increase in waste collection and treatment.

## 4 . 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 August 2018).

We published the [Monthly economic commentary: June 2018](#) on 29 June 2018, presenting analysis of the latest estimate of GDP and economic commentary for prices, short-term indicators and labour market indicators to complement the day economic commentary.

The corresponding price indices used to deflate the Index of Production (IoP) are published in the monthly publication of [UK producer price inflation](#). Product sales by manufacturers are published on an annual basis in [UK manufacturers' sales by product \(ProdCom\)](#) statistical bulletins; estimates are in current prices, unlike the chained volume measures published in the IoP release.

The data published by the Department for Business, Energy and Industrial Strategy (BEIS) in [Energy trends](#) are used to measure the mining and quarrying, electricity and gas, and the manufacture of coke and refined petroleum products sectors within this release.

The IoP follows the [Eurostat short-term statistics \(STS\)](#) regulation for measuring output in production. The latest release of [industrial production](#) and [output in manufacturing](#) are available from Eurostat and are updated monthly. 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.

## 5 . 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 the [International Steel Statistics Bureau](#) for steel industries.

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

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

- [Output of the production industries \(IOP5\) publication tables](#)
- [Revisions to output of the production industries \(IOP5R\)](#)
- [Monthly Business Survey response rates](#) for production industries for this publication
- [Revision triangle](#) – monitors the size of monthly and three-monthly revisions
- [Index of Production weights 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](#).

## Index of Production Release Tables

Pages 2-11 Table IoP5, index values and growth rates for industry groups and manufacturing sub-sectors

Pages 12-21 Table IoP5R, revisions to index values and growth rates for industry groups and manufacturing sub-sectors

- [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
- [Page 3](#) Percentage change, latest 3 months on previous 3 months
- [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](#)

# 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	101.8	100.3	102.5	98.3	102.7	98.9	102.9	98.7	106.4	102.3	98.8	
2017 Q2	101.1	100.6	101.7	97.4	102.7	98.8	101.9	98.9	104.5	101.7	98.5	
Q3	102.2	102.7	102.7	99.6	101.8	102.0	103.2	98.2	107.5	102.4	100.1	
Q4	103.0	97.8	104.1	99.5	103.0	95.2	104.9	99.3	109.1	103.7	98.4	
2018 Q1	103.4	100.2	104.0	100.9	104.7	99.8	109.7	99.1	110.4	102.4	100.3	
Q2	102.5	100.8	103.1	98.1	106.8	99.9	112.0	100.6	108.3	100.6	98.9	
2017 Apr	100.7	98.7	101.4	96.7	102.3	96.1	99.2	98.5	103.9	101.7	97.2	
May	101.1	99.6	101.6	98.2	102.8	97.4	102.0	98.4	104.7	101.7	98.7	
Jun	101.6	103.5	102.1	97.2	103.0	102.9	104.5	99.8	104.8	101.8	99.5	
Jul	101.9	102.9	102.3	98.7	102.5	101.7	100.4	98.3	106.9	102.2	99.4	
Aug	102.0	101.8	102.4	99.4	102.0	100.9	103.5	98.6	106.9	101.8	99.7	
Sep	102.8	103.4	103.3	100.5	100.8	103.3	105.5	97.7	108.8	103.1	101.2	
Oct	103.1	105.4	104.0	97.3	102.6	106.3	103.8	98.8	109.3	103.4	100.0	
Nov	103.4	103.8	104.1	99.7	102.7	103.5	104.7	99.9	108.4	104.0	100.3	
Dec	102.4	84.1	104.3	101.5	103.6	76.0	106.1	99.3	109.6	103.8	94.8	
2018 Jan	103.3	102.6	104.3	98.1	103.4	102.7	108.3	98.7	110.3	103.6	99.1	
Feb	103.6	100.6	104.1	101.5	105.0	100.2	109.5	99.9	110.3	102.2	100.7	
Mar	103.3	97.2	103.7	103.0	105.7	96.7	111.4	98.7	110.7	101.4	101.2	
Apr	102.6 <sup>†</sup>	104.2 <sup>†</sup>	102.5 <sup>†</sup>	100.4 <sup>†</sup>	105.0 <sup>†</sup>	105.5 <sup>†</sup>	110.9	99.1 <sup>†</sup>	108.0 <sup>†</sup>	100.3	101.8	
May	102.3	99.4	103.2	96.8	106.8	97.5 <sup>†</sup>	111.9	100.7	108.5	100.8 <sup>†</sup>	97.4	
Jun	102.8	98.9	103.6	97.1	108.5	96.6	113.3	102.1	108.5	100.7	97.5	
<b>Percentage change, latest year on previous year</b>												
2013	-0.7	-2.8	-1.0	-0.1	4.2	-8.2	-1.3	-0.9	1.0	-0.7	-3.5	
2014	1.5	0.6	2.9	-6.0	0.7	-1.1	6.3	0.5	3.0	5.0	-3.5	
2015	1.2	8.0	-	1.0	3.4	11.7	-0.1	0.5	-1.0	-0.2	4.8	
2016	1.0	0.3	0.4	2.1	5.6	4.3	1.2	0.1	2.6	-2.3	2.2	
2017	1.8	0.3	2.5	-1.7	2.7	-1.1	2.9	-1.3	6.4	2.3	-1.2	
<b>Percentage change, latest month on same month a year ago</b>												
2016 Apr	1.9	-1.6	1.0	8.5	4.9	2.4	2.1	4.8	2.1	-3.7	4.4	
May	0.7	-6.4	0.7	3.8	7.4	-4.7	2.7	0.3	3.0	-2.2	-0.1	
Jun	0.4	0.6	-0.2	2.8	3.9	4.6	-3.9	0.7	2.9	-4.8	2.6	
Jul	1.4	9.1	0.4	1.5	3.4	16.8	1.3	-2.1	5.3	-3.1	5.4	
Aug	0.8	0.3	0.6	0.8	5.6	3.5	3.3	-0.4	3.2	-2.0	0.3	
Sep	0.4	0.7	0.2	-2.1	6.3	3.4	2.6	-1.0	2.5	-1.7	-0.4	
Oct	-0.7	-7.6	-0.4	-1.7	5.4	-7.0	6.1	-4.1	2.6	-1.3	-3.2	
Nov	2.5	-1.0	1.6	8.5	6.6	0.8	1.8	0.8	3.2	0.8	4.6	
Dec	4.5	0.2	4.4	8.6	4.1	2.3	4.7	2.8	5.9	4.5	4.9	
2017 Jan	3.0	4.4	2.3	5.6	5.1	6.0	4.6	-0.1	6.0	0.6	4.9	
Feb	2.3	1.1	2.6	-0.9	6.2	-	5.3	-3.7	9.2	1.6	-0.3	
Mar	1.5	2.2	2.6	-7.9	6.0	1.1	0.7	-1.0	5.6	2.6	-3.8	
Apr	-0.6	-0.5	0.4	-8.2	3.0	-3.3	-2.1	-4.7	3.6	1.5	-4.8	
May	0.8	0.3	1.5	-3.2	1.2	-1.7	1.5	-2.6	4.9	1.9	-1.9	
Jun	1.7	1.8	2.5	-3.5	2.5	0.8	7.5	0.7	3.6	3.2	-1.3	
Jul	1.8	-5.4	3.2	-0.8	1.6	-9.1	-0.3	0.5	7.0	3.1	-3.7	
Aug	1.9	-3.1	2.8	0.4	1.4	-5.3	3.3	0.1	6.2	2.2	-1.5	
Sep	2.7	1.7	2.9	3.6	0.5	1.4	5.4	-1.8	7.3	3.0	2.1	
Oct	4.4	13.0	4.9	-2.1	1.9	17.1	1.8	1.5	9.7	3.7	2.9	
Nov	2.4	4.5	3.4	-4.3	1.3	4.8	4.0	-0.4	8.2	2.9	-2.1	
Dec	0.1	-14.4	1.0	2.5	2.2	-22.4	2.7	-3.8	5.4	0.8	-4.3	
2018 Jan	1.5	2.5	2.4	-3.2	0.6	2.9	5.6	-0.8	5.7	2.1	-1.9	
Feb	2.6	1.0	2.6	4.3	1.4	1.7	6.0	2.7	4.9	1.1	2.4	
Mar	3.1	-3.8	2.5	11.9	1.8	-3.8	12.9	0.4	6.5	0.4	5.9	
Apr	1.9 <sup>†</sup>	5.6 <sup>†</sup>	1.1 <sup>†</sup>	3.8 <sup>†</sup>	2.6 <sup>†</sup>	9.8	11.8	0.6 <sup>†</sup>	3.9 <sup>†</sup>	-1.4 <sup>†</sup>	4.7	
May	1.2	-0.2	1.5	-1.4	3.9	0.1 <sup>†</sup>	9.7 <sup>†</sup>	2.3	3.6	-0.9	-1.3	
Jun	1.1	-4.4	1.5	-0.1	5.3	-6.1	8.4	2.2	3.6	-1.1	-2.0	

<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	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	
<b>Percentage change, latest month on previous month</b>												
2016	Apr	2.6	0.3	2.5	5.5	1.4	-	3.4	4.1	2.0	1.8	2.8
	May	-0.9	0.1	-0.9	-3.7	2.3	-0.3	-0.9	-2.2	-0.5	-0.4	-1.4
	Jun	-0.4	2.4	-0.6	-0.7	-1.1	3.1	-3.3	-1.9	1.3	-1.2	0.2
	Jul	0.2	7.0	-0.5	-1.2	0.4	9.4	3.6	-1.3	-1.2	0.6	2.3
	Aug	-	-3.4	0.5	-0.5	-0.3	-4.7	-0.5	0.7	0.8	0.5	-1.9
	Sep	-	-3.2	0.8	-2.1	-0.2	-4.4	-0.1	1.0	0.8	0.4	-2.1
	Oct	-1.3	-8.3	-1.3	2.4	0.4	-10.9	1.9	-2.1	-1.8	-0.3	-1.9
	Nov	2.3	6.5	1.5	4.9	0.7	8.8	-1.3	3.0	0.6	1.3	5.4
	Dec	1.2	-1.0	2.6	-5.0	-0.1	-0.7	2.7	2.8	3.8	1.8	-3.3
2017	Jan	-0.5	1.9	-1.4	2.4	1.4	1.8	-0.7	-3.6	0.3	-1.4	1.9
	Feb	-0.8	-0.5	-0.4	-4.0	0.7	-1.3	0.7	-2.2	0.8	-0.4	-2.7
	Mar	-0.7	1.5	-0.3	-5.5	0.3	2.0	-4.5	1.0	-1.2	-0.1	-2.8
	Apr	0.5	-2.4	0.2	5.1	-1.5	-4.4	0.6	0.2	-	0.7	1.8
	May	0.4	0.9	0.2	1.5	0.5	1.4	2.8	-0.1	0.8	-	1.6
	Jun	0.5	3.9	0.4	-1.0	0.2	5.7	2.5	1.4	0.1	0.1	0.8
	Jul	0.3	-0.6	0.3	1.6	-0.5	-1.2	-3.9	-1.6	2.0	0.4	-0.1
	Aug	-	-1.1	0.1	0.7	-0.6	-0.7	3.1	0.3	-	-0.3	0.3
	Sep	0.8	1.6	0.9	1.1	-1.1	2.3	1.9	-0.9	1.8	1.2	1.5
	Oct	0.3	1.9	0.6	-3.2	1.8	2.9	-1.6	1.2	0.5	0.4	-1.2
	Nov	0.3	-1.5	0.1	2.5	0.1	-2.6	0.8	1.0	-0.8	0.6	0.4
	Dec	-1.0	-19.0	0.2	1.8	0.9	-26.5	1.4	-0.6	1.1	-0.2	-5.5
2018	Jan	0.9	22.0	-	-3.3	-0.2	35.1	2.1	-0.6	0.6	-0.2	4.5
	Feb	0.3	-1.9	-0.2	3.5	1.5	-2.4	1.1	1.3	-	-1.4	1.6
	Mar	0.3	-3.4	-0.3	1.4	0.7	-3.5	1.7	-1.2	0.3	-0.8	0.5
	Apr	-0.7 <sup>†</sup>	7.2 <sup>†</sup>	-1.2 <sup>†</sup>	-2.5 <sup>†</sup>	-0.7 <sup>†</sup>	9.1 <sup>†</sup>	-0.4	0.5 <sup>†</sup>	-2.4 <sup>†</sup>	-1.1	0.6 <sup>†</sup>
	May	-0.2	-4.6	0.6	-3.6	1.8	-7.6	0.9 <sup>†</sup>	1.5	0.5	0.4 <sup>†</sup>	-4.3
	Jun	0.4	-0.5	0.4	0.3	1.6	-0.9	1.3	1.4	-	-0.1	0.1
<b>Percentage change, latest 3 months on same 3 months a year ago<sup>2</sup></b>												
2016	Apr	0.4	2.2	-0.8	2.5	5.6	9.1	0.1	1.7	0.2	-4.8	3.8
	May	0.7	-1.9	-0.1	4.3	6.0	2.4	0.9	1.1	1.9	-3.9	2.6
	Jun	1.0	-2.5	0.5	5.0	5.4	0.6	0.3	1.9	2.7	-3.6	2.3
	Jul	0.8	1.0	0.3	2.7	4.9	5.3	-	-0.4	3.7	-3.4	2.6
	Aug	0.9	3.3	0.2	1.7	4.3	8.2	0.2	-0.6	3.8	-3.3	2.7
	Sep	0.9	3.3	0.4	0.1	5.1	7.8	2.4	-1.1	3.6	-2.3	1.7
	Oct	0.1	-2.2	0.1	-1.0	5.8	0.1	4.0	-1.8	2.8	-1.7	-1.1
	Nov	0.7	-2.6	0.5	1.5	6.1	-0.9	3.5	-1.4	2.7	-0.8	2.0
	Dec	2.1	-2.8	1.9	5.0	5.3	-1.3	4.2	-0.2	3.9	1.3	2.0
2017	Jan	3.4	1.2	2.8	7.6	5.3	3.0	3.7	1.2	5.0	2.0	4.8
	Feb	3.3	1.9	3.1	4.3	5.1	2.7	4.8	-0.3	7.0	2.2	3.1
	Mar	2.3	2.5	2.5	-1.2	5.8	2.3	3.5	-1.6	6.9	1.6	0.2
	Apr	1.1	0.9	1.8	-5.7	5.1	-0.7	1.3	-3.1	6.1	1.9	-3.0
	May	0.6	0.7	1.5	-6.4	3.4	-1.3	-	-2.8	4.7	2.0	-3.5
	Jun	0.6	0.5	1.5	-5.0	2.2	-1.4	2.2	-2.2	4.0	2.2	-2.7
	Jul	1.4	-1.2	2.4	-2.5	1.8	-3.5	2.9	-0.5	5.2	2.7	-2.3
	Aug	1.8	-2.3	2.9	-1.3	1.8	-4.7	3.5	0.4	5.6	2.8	-2.2
	Sep	2.1	-2.3	3.0	1.1	1.2	-4.5	2.8	-0.4	6.8	2.8	-1.0
	Oct	3.0	3.6	3.5	0.6	1.3	3.8	3.5	-0.1	7.7	3.0	1.2
	Nov	3.1	6.3	3.7	-1.0	1.2	7.5	3.8	-0.3	8.4	3.2	0.9
	Dec	2.3	0.9	3.1	-1.4	1.8	-0.6	2.9	-0.9	7.7	2.4	-1.2
2018	Jan	1.3	-2.4	2.2	-1.8	1.4	-4.8	4.1	-1.7	6.4	1.9	-2.8
	Feb	1.4	-3.6	2.0	1.1	1.4	-5.8	4.8	-0.7	5.3	1.3	-1.3
	Mar	2.4	-0.1	2.5	4.1	1.3	0.3	8.1	0.7	5.7	1.2	2.1
	Apr	2.5 <sup>†</sup>	0.9 <sup>†</sup>	2.1 <sup>†</sup>	6.6 <sup>†</sup>	1.9 <sup>†</sup>	2.5	10.2	1.2 <sup>†</sup>	5.1 <sup>†</sup>	- <sup>†</sup>	4.4 <sup>†</sup>
	May	2.0	0.5	1.7	4.6	2.8	1.9 <sup>†</sup>	11.5 <sup>†</sup>	1.1	4.7	-0.6	3.1
	Jun	1.4	0.3	1.3	0.8	3.9	1.1	10.0	1.7	3.7	-1.1	0.4

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

continued

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

Seasonally adjusted 2016 = 100

		Broad industry groups					Main industrial groupings					
Section	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy	
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG	
Latest weight	1 000.0	75.4	726.2	126.0	72.4	52.6	49.3	204.4	240.5	267.9	219.9	
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T	
<b>Percentage change, latest 3 months on previous 3 months<sup>2</sup></b>												
2016	Apr	1.2	0.8	0.3	7.2	1.6	3.3	0.6	1.4	0.4	-0.5	3.9
	May	1.7	1.6	0.8	7.5	2.1	3.3	1.6	0.9	1.9	-0.1	4.4
	Jun	1.8	2.2	1.2	4.6	2.8	3.0	1.6	1.2	2.8	-0.1	3.2
	Jul	0.6	4.3	0.1	-0.6	2.8	5.3	0.3	-1.8	2.0	-0.2	1.5
	Aug	-0.1	6.0	-0.5	-2.4	1.0	7.6	-0.5	-2.7	1.1	-0.4	1.0
	Sep	-0.4	5.1	-0.5	-3.9	0.1	6.5	0.7	-2.5	0.2	0.1	-
	Oct	-0.5	-3.2	0.1	-2.1	-0.5	-4.4	1.3	-0.9	0.3	0.7	-2.4
	Nov	-0.1	-6.7	0.6	0.4	0.2	-9.1	1.5	0.6	-0.1	1.2	-2.1
	Dec	0.6	-7.8	1.3	2.4	0.6	-10.3	1.6	1.7	0.6	1.7	-1.5
2017	Jan	2.0	-0.7	2.2	3.1	1.3	-0.9	1.4	2.6	2.3	2.0	1.7
	Feb	1.7	1.3	2.2	-0.9	1.7	1.7	2.2	0.9	4.1	1.5	-0.1
	Mar	0.3	3.5	0.5	-3.9	2.2	4.0	-0.4	-1.9	3.1	-0.1	-1.4
	Apr	-1.0	0.6	-0.6	-6.0	1.3	-0.4	-1.7	-2.9	1.4	-0.6	-3.9
	May	-0.9	0.4	-0.8	-3.6	0.4	-0.7	-3.0	-1.6	-0.3	-0.4	-2.4
	Jun	0.2	0.3	0.2	0.5	-0.7	-0.8	0.4	0.6	-	0.5	0.2
	Jul	0.9	2.1	0.7	2.8	-0.4	2.4	1.9	0.8	1.1	0.6	2.3
	Aug	1.2	2.9	0.8	2.9	-0.5	3.9	2.9	0.5	1.9	0.5	2.5
	Sep	1.1	2.1	1.0	2.2	-0.9	3.2	1.2	-0.8	2.9	0.6	1.7
	Oct	1.0	1.5	1.2	1.1	-1.0	2.8	2.0	-0.5	2.7	0.9	1.1
	Nov	1.2	1.5	1.5	0.7	-0.4	2.4	1.8	-0.1	2.5	1.6	1.0
	Dec	0.7	-4.8	1.4	-0.1	1.2	-6.6	1.6	1.2	1.5	1.4	-1.7
2018	Jan	0.4	-6.4	1.0	0.7	1.4	-9.1	2.0	0.9	1.0	1.0	-2.2
	Feb	-	-8.1	0.4	1.2	1.9	-10.9	3.2	0.5	1.1	-0.3	-2.3
	Mar	0.4	2.5	-0.1	1.4	1.7	4.8	4.6	-0.2	1.2	-1.3	2.0
	Apr	0.1 <sup>†</sup>	4.0 <sup>†</sup>	-0.7 <sup>†</sup>	1.9 <sup>†</sup>	1.9 <sup>†</sup>	7.2	4.0	- <sup>†</sup>	0.2 <sup>†</sup>	-2.4	3.2 <sup>†</sup>
	May	-0.4	4.7	-1.1	-0.3	1.7	3.2 <sup>†</sup>	0.2	-0.9	0.2	-2.3 <sup>†</sup>	2.0
	Jun	-0.8	0.7	-0.9	-2.7	1.9	-	2.1	1.6	-1.9	-1.8	-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

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	111.5	29.8	53.6	9.9	48.6	55.1
	K22B	K22P	K22T	K22X	K22Z	K239
2013	95.4	106.4	99.9	108.6	97.7	101.9
2014	99.4	103.6	101.0	98.9	100.4	97.0
2015	99.3	102.7	101.7	101.4	105.9	97.8
2016	100.0	100.0	100.0	100.0	100.0	100.0
2017	101.1	102.3	102.0	101.3	101.9	94.5
2017 Q2	100.9	101.5	101.8	103.9	102.8	95.5
Q3	100.9	102.9	101.6	98.8	102.8	93.0
Q4	101.5	103.2	103.0	99.6	100.6	96.8
2018 Q1	101.1	103.0	103.7	93.3	100.5	95.8
Q2	102.2	104.3	103.1	94.0	99.4	98.8
2017 Apr	102.1	99.0	101.8	103.6	103.5	92.9
May	100.4	102.4	102.0	103.8	101.8	94.3
Jun	100.2	103.0	101.5	104.3	103.1	99.1
Jul	101.5	107.0	100.9	94.6	102.0	91.0
Aug	101.3	102.4	101.5	98.5	102.7	93.9
Sep	100.0	99.3	102.3	103.3	103.6	94.0
Oct	101.4	101.1	102.3	102.3	100.2	96.8
Nov	102.0	103.5	103.5	98.3	101.5	97.7
Dec	101.0	105.0	103.2	98.1	100.3	96.0
2018 Jan	100.9	104.1	104.0	94.2	100.2	95.3
Feb	101.2	102.1	103.5	91.5	101.3	98.2
Mar	101.4	102.9	103.6	94.2	100.1	93.9
Apr	101.6	102.9 <sup>T</sup>	102.6 <sup>T</sup>	96.8 <sup>T</sup>	98.9 <sup>T</sup>	95.6 <sup>T</sup>
May	102.2 <sup>T</sup>	106.2	103.7	92.7	100.1	98.2
Jun	102.9	103.9	103.0	92.4	99.2	102.6

## Percentage change, latest year on previous year

2013	-1.7	-4.4	2.3	-1.9	-1.1	-2.7
2014	4.2	-2.6	1.1	-8.9	2.8	-4.8
2015	-0.1	-0.9	0.8	2.5	5.4	0.9
2016	0.7	-2.6	-1.7	-1.4	-5.5	2.2
2017	1.1	2.3	2.0	1.3	1.9	-5.5

## Percentage change, latest month on same month a year ago

2016 Apr	2.0	1.1	-2.5	-2.5	-8.3	16.0
May	2.9	-10.6	-0.6	8.4	-4.1	-1.2
Jun	2.0	-7.3	-0.6	12.4	-6.8	1.3
Jul	1.1	-5.8	-1.4	-4.5	-5.4	-6.5
Aug	0.3	2.5	-0.8	-7.0	-6.0	-2.1
Sep	0.6	-2.5	-1.6	-4.5	-2.9	-0.5
Oct	-0.7	-5.8	-1.5	-6.3	-4.5	-7.1
Nov	-0.4	-4.1	-1.8	-4.4	-6.1	10.0
Dec	0.9	-2.8	1.8	-4.0	-1.6	15.9
2017 Jan	0.9	-8.2	2.4	-2.0	0.7	3.6
Feb	0.3	1.0	2.3	1.7	-0.9	-10.4
Mar	3.6	5.0	4.0	14.0	3.4	-10.2
Apr	2.1	-5.0	1.8	15.5	4.1	-15.5
May	-0.8	4.8	1.4	2.7	2.6	-6.0
Jun	-0.1	5.6	1.6	2.6	6.1	2.2
Jul	1.8	8.7	1.4	-5.4	2.0	-2.0
Aug	1.5	3.3	1.3	1.4	3.4	-1.3
Sep	-0.8	-0.5	2.3	1.7	1.8	-4.2
Oct	2.1	2.3	2.6	-1.2	-0.3	3.2
Nov	2.5	5.5	2.4	-8.2	1.6	-6.5
Dec	0.2	6.4	1.0	-3.9	-1.4	-15.1
2018 Jan	0.2	4.5	1.4	-7.9	-2.7	-1.6
Feb	-	0.5	3.1	-10.9	1.8	9.6
Mar	-0.1	-0.5	1.2	-9.2	-1.5	3.0
Apr	-0.6 <sup>T</sup>	3.9 <sup>T</sup>	0.8 <sup>T</sup>	-6.6	-4.5 <sup>T</sup>	2.8 <sup>T</sup>
May	1.8	3.7	1.6	-10.7 <sup>†</sup>	-1.6	4.2
Jun	2.8	0.9	1.5	-11.4	-3.8	3.5

<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.

# IOP5 Output of the Production Industries

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

continued

Seasonally adjusted 2016 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	59.7	84.4	33.6	23.5	44.9	107.6	64.0
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2013	89.8	100.5	98.5	107.4	110.9	87.7	90.5
2014	101.6	102.0	102.3	104.0	115.6	90.7	95.6
2015	98.7	102.3	100.2	104.3	100.7	96.0	94.8
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	100.1	101.8	104.2	104.2	109.3	104.1	107.2
2017 Q2	99.7	100.3	103.1	104.3	105.2	102.6	105.4
Q3	100.0	101.3	105.1	105.2	109.4	105.3	108.5
Q4	100.9	106.4	107.5	104.8	114.9	105.3	108.1
2018 Q1	100.7	104.5	113.0	99.3	119.1	105.8	107.4
Q2	99.9	99.6	115.7	92.9	113.8	104.1	107.2
2017 Apr	99.9	98.7	98.5	104.5	105.4	104.5	103.7
May	100.6	99.5	102.9	102.3	107.8	103.5	104.4
Jun	98.5	102.5	107.8	106.1	102.5	100.0	108.1
Jul	99.4	99.6	101.2	107.5	107.6	106.9	107.5
Aug	99.7	101.7	105.2	101.9	108.5	104.4	107.5
Sep	100.7	102.5	108.8	106.3	112.1	104.7	110.6
Oct	100.5	105.4	106.3	105.8	113.3	107.7	107.1
Nov	102.3	105.1	107.5	104.4	115.3	103.4	108.5
Dec	99.8	108.7	108.7	104.3	116.2	104.9	108.7
2018 Jan	101.7	104.1	111.2	102.6	121.2	106.4	107.2
Feb	100.4	105.5	112.9	99.1	116.3	106.8	105.7
Mar	100.0	103.8	114.9	96.2	119.9	104.3	109.4
Apr	98.0 <sup>T</sup>	100.3	114.6	95.4 <sup>T</sup>	116.0 <sup>T</sup>	102.5	107.3 <sup>T</sup>
May	99.4	98.6 <sup>T</sup>	115.8 <sup>T</sup>	95.7	114.3	104.5 <sup>T</sup>	106.6
Jun	102.4	99.9	116.7	87.7	111.1	105.1	107.8

## Percentage change, latest year on previous year

2013	-2.8	-2.9	-2.1	-4.7	-11.8	7.6	4.7
2014	13.1	1.5	3.9	-3.2	4.2	3.4	5.6
2015	-2.8	0.3	-2.1	0.3	-12.8	5.8	-0.8
2016	1.3	-2.3	-0.2	-4.1	-0.7	4.2	5.5
2017	0.1	1.8	4.2	4.2	9.3	4.1	7.2

## Percentage change, latest month on same month a year ago

2016 Apr	2.9	-5.8	-0.1	-5.8	-4.2	8.9	0.8
May	1.7	-0.5	1.2	-7.7	-1.3	6.1	3.3
Jun	-0.4	-6.4	-6.3	-5.5	-3.0	5.1	8.2
Jul	-0.6	0.1	-0.7	-6.2	0.4	6.0	9.3
Aug	1.9	-1.1	-1.0	-7.2	1.6	3.3	9.4
Sep	2.5	-4.4	-0.8	-6.6	0.4	3.2	7.7
Oct	2.5	-4.3	3.4	-3.4	1.7	0.6	12.3
Nov	4.0	-0.3	2.8	3.0	6.0	3.3	4.0
Dec	2.6	7.0	7.2	2.1	6.7	4.2	9.0
2017 Jan	0.5	-3.0	4.2	1.5	7.7	6.2	8.2
Feb	-0.9	-2.3	5.7	3.2	15.5	8.9	10.7
Mar	1.3	-0.6	0.6	0.9	6.4	3.9	9.9
Apr	-2.2	-0.5	-2.5	4.3	3.9	2.4	5.6
May	0.6	-0.2	2.4	4.8	9.5	1.3	5.8
Jun	-0.8	3.6	10.6	7.2	5.2	-1.6	5.4
Jul	0.9	-0.4	1.2	11.0	8.5	7.4	6.7
Aug	0.8	1.5	5.5	5.4	7.1	2.7	7.9
Sep	0.3	3.4	10.0	7.6	11.0	4.1	7.5
Oct	-	9.9	4.4	4.9	14.3	8.4	5.4
Nov	1.1	7.1	6.9	-0.5	12.5	2.9	8.6
Dec	-0.5	3.4	1.9	1.2	10.1	3.3	4.7
2018 Jan	1.3	4.7	7.8	-0.1	15.2	2.5	1.4
Feb	1.4	6.6	9.7	-5.6	4.6	3.3	-1.5
Mar	-0.1	4.7	17.8	-4.0	12.7	1.9	2.3
Apr	-1.9 <sup>T</sup>	1.6	16.3	-8.7 <sup>T</sup>	10.0 <sup>T</sup>	-1.8	3.4 <sup>T</sup>
May	-1.2	-0.9	12.5 <sup>I</sup>	-6.5	6.0	1.0 <sup>I</sup>	2.1
Jun	3.9	-2.6	8.2	-17.3	8.4	5.2	-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>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	Apr	2.2	5.8	1.5	-1.4	1.2	8.2
	May	1.3	-6.2	0.7	12.6	-0.3	-8.8
	Jun	-1.0	-0.2	-0.8	0.6	-2.1	-3.3
	Jul	-0.5	0.9	-0.4	-1.6	3.0	-4.3
	Aug	-	0.7	0.8	-2.9	-0.8	2.5
	Sep	1.1	0.7	-0.2	4.6	2.4	3.2
	Oct	-1.6	-1.0	-0.4	2.0	-1.2	-4.4
	Nov	0.2	-0.8	1.4	3.4	-0.6	11.4
	Dec	1.3	0.7	1.2	-4.6	1.8	8.2
2017	Jan	-0.1	0.9	0.4	0.2	1.4	-14.3
	Feb	0.5	2.0	-2.2	0.4	-3.4	-7.5
	Mar	0.3	1.8	2.0	0.9	2.1	1.7
	Apr	0.7	-4.2	-0.6	-0.1	1.9	1.9
	May	-1.6	3.4	0.3	0.2	-1.7	1.4
	Jun	-0.3	0.6	-0.5	0.5	1.3	5.2
	Jul	1.3	4.0	-0.6	-9.3	-1.0	-8.3
	Aug	-0.2	-4.4	0.6	4.1	0.7	3.3
	Sep	-1.2	-3.0	0.8	4.9	0.9	0.1
	Oct	1.3	1.8	-	-0.9	-3.3	2.9
	Nov	0.6	2.3	1.2	-3.9	1.3	0.9
	Dec	-1.0	1.5	-0.2	-0.2	-1.2	-1.7
2018	Jan	-0.1	-0.9	0.8	-3.9	-	-0.7
	Feb	0.3	-1.9	-0.5	-2.9	1.1	3.0
	Mar	0.2	0.8	0.1	2.9	-1.2	-4.4
	Apr	0.2	- <sup>†</sup>	-0.9	2.8 <sup>†</sup>	-1.1 <sup>†</sup>	1.8 <sup>†</sup>
	May	0.7	3.2	1.1 <sup>†</sup>	-4.2	1.2	2.8
	Jun	0.7	-2.2	-0.7	-0.3	-1.0	4.5
<b>Percentage change, latest 3 months on same 3 months a year ago</b>							
2016	Apr	0.7	-1.5	-3.7	-3.0	-8.3	7.5
	May	1.1	-5.0	-2.4	0.9	-7.2	5.4
	Jun	2.3	-5.7	-1.3	6.1	-6.4	5.2
	Jul	2.0	-7.9	-0.9	5.0	-5.4	-2.1
	Aug	1.1	-3.7	-0.9	-0.3	-6.1	-2.5
	Sep	0.7	-2.0	-1.3	-5.3	-4.8	-3.1
	Oct	0.1	-2.1	-1.3	-5.9	-4.5	-3.3
	Nov	-0.2	-4.1	-1.6	-5.0	-4.5	0.6
	Dec	-0.1	-4.3	-0.5	-4.9	-4.1	6.1
2017	Jan	0.4	-5.1	0.8	-3.5	-2.4	9.9
	Feb	0.7	-3.4	2.2	-1.5	-0.6	2.9
	Mar	1.6	-1.0	2.9	4.2	1.0	-5.9
	Apr	2.0	0.2	2.7	10.1	2.2	-12.1
	May	1.6	1.5	2.4	10.4	3.3	-10.7
	Jun	0.4	1.6	1.6	6.6	4.3	-6.8
	Jul	0.3	6.4	1.5	-	3.5	-2.0
	Aug	1.1	5.9	1.4	-0.4	3.8	-0.4
	Sep	0.8	3.8	1.7	-0.8	2.4	-2.5
	Oct	0.9	1.7	2.1	0.6	1.6	-0.8
	Nov	1.3	2.4	2.4	-2.6	1.0	-2.7
	Dec	1.6	4.7	2.0	-4.5	-	-6.7
2018	Jan	1.0	5.5	1.6	-6.7	-0.9	-8.1
	Feb	0.1	3.8	1.8	-7.6	-0.8	-3.3
	Mar	-	1.5	1.9	-9.4	-0.9	3.5
	Apr	-0.2	1.3 <sup>†</sup>	1.7	-8.9	-1.4 <sup>†</sup>	5.1 <sup>†</sup>
	May	0.4	2.4	1.2	-8.8 <sup>†</sup>	-2.5	3.3
	Jun	1.3	2.8	1.3	-9.6	-3.3	3.5

<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.

# IOP5 Output of the Production Industries

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

continued

Seasonally adjusted 2016 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair	
	CG	CH	CI	CJ	CK	CL	CM	
Latest weight	59.7	84.4	33.6	23.5	44.9	107.6	64.0	
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z	
<b>Percentage change, latest month on previous month<sup>1</sup></b>								
2016	Apr	3.5	-0.5	4.3	1.0	1.4	3.6	0.9
	May	-2.1	0.5	-0.5	-2.6	-3.0	0.2	0.5
	Jun	-0.7	-0.8	-3.1	1.4	-1.0	-0.6	3.9
	Jul	-0.7	1.1	2.7	-2.1	1.9	-2.0	-1.7
	Aug	0.4	0.1	-0.4	-0.2	2.1	2.3	-1.2
	Sep	1.4	-1.1	-0.8	2.2	-0.3	-1.2	3.3
	Oct	0.2	-3.2	2.9	2.0	-1.9	-1.2	-1.2
	Nov	0.6	2.3	-1.2	4.1	3.4	1.2	-1.7
	Dec	-0.9	7.1	6.1	-1.7	3.0	1.0	3.9
2017	Jan	0.1	-5.3	-3.4	-0.4	-0.4	2.3	1.9
	Feb	-1.4	-0.5	-0.2	2.2	5.7	-0.4	1.5
	Mar	1.1	0.2	-5.3	-4.6	-4.3	-1.1	-0.3
	Apr	-0.1	-0.4	1.1	4.3	-1.0	2.2	-3.0
	May	0.7	0.8	4.5	-2.1	2.2	-0.9	0.6
	Jun	-2.1	3.0	4.8	3.8	-4.9	-3.4	3.6
	Jul	1.0	-2.8	-6.1	1.3	5.0	6.9	-0.6
	Aug	0.3	2.1	3.9	-5.3	0.8	-2.3	-
	Sep	1.0	0.8	3.5	4.3	3.3	0.2	2.9
	Oct	-0.2	2.9	-2.3	-0.5	1.0	2.9	-3.2
	Nov	1.7	-0.3	1.1	-1.2	1.7	-3.9	1.4
	Dec	-2.4	3.4	1.2	-0.1	0.9	1.4	0.1
2018	Jan	1.9	-4.2	2.3	-1.6	4.3	1.4	-1.3
	Feb	-1.3	1.3	1.6	-3.5	-4.0	0.4	-1.4
	Mar	-0.4	-1.6	1.7	-2.9	3.1	-2.4	3.5
	Apr	-1.9 <sup>†</sup>	-3.3 <sup>†</sup>	-0.2	-0.8 <sup>†</sup>	-3.3 <sup>†</sup>	-1.6	-2.0 <sup>†</sup>
	May	1.4	-1.7	1.0 <sup>†</sup>	0.3	-1.5	1.9 <sup>†</sup>	-0.6
	Jun	3.0	1.3	0.8	-8.3	-2.8	0.6	1.1
<b>Percentage change, latest 3 months on same 3 months a year ago</b>								
2016	Apr	0.3	-4.8	-2.0	-5.0	-5.2	4.7	0.6
	May	1.0	-3.6	-1.0	-6.7	-3.6	6.8	1.3
	Jun	1.4	-4.3	-1.8	-6.4	-2.8	6.7	4.1
	Jul	0.2	-2.3	-2.0	-6.5	-1.3	5.7	6.9
	Aug	0.3	-2.5	-2.7	-6.3	-0.3	4.8	8.9
	Sep	1.2	-1.9	-0.8	-6.7	0.8	4.1	8.8
	Oct	2.3	-3.3	0.5	-5.8	1.2	2.4	9.7
	Nov	3.0	-3.0	1.8	-2.4	2.7	2.4	7.9
	Dec	3.0	0.7	4.5	0.5	4.8	2.7	8.3
2017	Jan	2.4	1.2	4.7	2.2	6.8	4.6	7.1
	Feb	0.7	0.5	5.7	2.2	9.9	6.4	9.3
	Mar	0.3	-2.0	3.5	1.9	9.8	6.3	9.6
	Apr	-0.6	-1.1	1.2	2.8	8.5	5.0	8.7
	May	-0.1	-0.5	0.2	3.3	6.6	2.5	7.1
	Jun	-0.8	0.9	3.4	5.4	6.2	0.7	5.6
	Jul	0.2	1.0	4.7	7.7	7.8	2.4	6.0
	Aug	0.3	1.6	5.7	7.9	6.9	2.8	6.7
	Sep	0.7	1.5	5.6	8.0	8.9	4.7	7.4
	Oct	0.4	4.9	6.6	6.0	10.8	5.0	6.9
	Nov	0.5	6.8	7.1	3.9	12.6	5.1	7.2
	Dec	0.2	6.7	4.3	1.9	12.2	4.8	6.2
2018	Jan	0.6	5.0	5.4	0.2	12.6	2.9	4.9
	Feb	0.8	4.8	6.4	-1.5	9.8	3.0	1.5
	Mar	0.9	5.3	11.7	-3.2	10.7	2.6	0.7
	Apr	-0.2 <sup>†</sup>	4.3	14.5	-6.1 <sup>†</sup>	9.0 <sup>†</sup>	1.1	1.4 <sup>†</sup>
	May	-1.1	1.8	15.5 <sup>†</sup>	-6.4	9.6	0.4 <sup>†</sup>	2.6
	Jun	0.2	-0.6	12.2	-10.9	8.1	1.4	1.7

<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>

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 3 months on previous 3 months</b>						
2016						
Apr	-0.3	-2.9	-2.3	-12.7	-4.4	8.9
May	-0.5	-3.3	0.1	-9.6	-3.0	7.1
Jun	1.0	-2.6	1.2	-1.4	-1.7	4.1
Jul	0.8	-3.1	1.2	7.4	-0.6	-6.9
Aug	0.2	-1.8	0.2	6.0	-0.2	-8.6
Sep	-0.4	-0.7	-0.2	2.1	1.8	-6.9
Oct	-0.5	1.3	-	-0.1	1.7	-1.1
Nov	-0.1	0.5	0.4	4.5	1.9	4.0
Dec	-0.3	-0.6	1.1	4.7	0.3	8.8
2017						
Jan	0.4	-0.4	2.0	3.1	1.0	9.5
Feb	1.0	1.1	1.5	-1.6	0.7	1.0
Mar	1.3	3.0	0.8	-1.2	0.7	-10.8
Apr	1.2	2.6	-0.4	-0.5	-	-12.9
May	0.4	1.7	0.3	1.3	0.9	-7.1
Jun	-0.2	-	-	0.9	1.4	3.1
Jul	-0.9	2.8	-	-2.4	0.7	3.9
Aug	-0.4	2.5	-0.8	-4.4	0.3	2.0
Sep	-	1.4	-0.2	-4.9	-	-2.6
Oct	0.2	-3.1	0.5	0.5	-0.1	0.1
Nov	0.2	-2.7	1.4	2.2	-0.8	1.6
Dec	0.5	0.3	1.4	0.8	-2.1	4.1
2018						
Jan	0.4	3.2	1.5	-4.4	-1.5	1.5
Feb	-0.1	2.4	0.9	-6.6	-1.1	0.4
Mar	-0.3	-0.2	0.7	-6.3	-0.1	-1.0
Apr	0.1	-1.5 <sup>†</sup>	-0.3	-2.8	-0.6 <sup>†</sup>	-0.5 <sup>†</sup>
May	0.7	0.3	-0.3	-0.1	-0.9	-0.7
Jun	1.1	1.3	-0.6	0.7	-1.1	3.1

<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

## Percentage change, latest 3 months on previous 3 months

2016	Apr	2.0	0.4	-0.4	-1.0	1.5	1.0	1.2	
	May	1.2	-1.1	0.8	-2.3	2.4	4.3	1.5	
	Jun	1.0	-1.8	1.9	-1.8	1.1	5.0	2.5	
	Jul	-1.0	-0.5	0.9	-2.6	-0.9	2.7	3.2	
	Aug	-1.4	0.1	-0.4	-1.5	-0.7	0.1	3.0	
	Sep	-1.2	0.4	-0.1	-1.5	1.4	-1.3	1.3	
	Oct	0.7	-1.2	0.8	1.0	2.2	-0.5	0.7	
	Nov	1.8	-2.0	1.4	4.1	1.6	-0.8	0.5	
	Dec	1.4	-	3.5	5.6	1.9	-0.1	0.7	
	2017	Jan	0.7	2.5	3.4	4.9	3.9	1.4	1.7
		Feb	-0.8	3.5	3.9	2.1	6.4	2.8	4.1
		Mar	-0.9	-0.5	-1.8	-0.3	5.1	2.7	4.8
Apr		-1.0	-1.9	-3.7	-0.4	3.1	1.4	2.8	
May		0.3	-2.0	-4.4	-1.2	-0.7	0.5	-0.5	
Jun		-0.1	1.1	1.9	1.7	-2.2	-0.5	-1.2	
Jul		-0.1	1.6	4.4	2.1	-1.6	0.1	0.6	
Aug		-1.0	2.2	5.1	2.8	-0.3	0.4	2.5	
Sep		0.3	1.0	1.9	0.9	4.0	2.6	3.0	
Oct		0.8	2.6	2.6	-0.6	5.0	2.1	1.6	
Nov		1.9	3.0	2.6	0.3	6.9	1.4	0.9	
Dec		0.9	5.1	2.3	-0.4	5.0	-	-0.4	
2018	Jan	0.9	2.7	2.2	-0.8	5.6	-0.7	-0.2	
	Feb	-0.5	1.7	3.2	-3.3	3.8	0.7	-1.4	
	Mar	-0.2	-1.8	5.1	-5.3	3.7	0.5	-0.6	
	Apr	-1.8 <sup>†</sup>	-2.6	4.6	-6.7 <sup>†</sup>	-0.1 <sup>†</sup>	-0.3	-0.6 <sup>†</sup>	
	May	-1.5	-4.9	3.8 <sup>†</sup>	-6.1	-1.0	-2.1 <sup>†</sup>	0.5	
	Jun	-0.7	-4.6	2.4	-6.4	-4.5	-1.6	-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.

- [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
- [Page 3](#) Percentage change, latest 3 months on previous 3 months
- [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 added<sup>1</sup>

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 Q1	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-	-	-	-	-
2017 Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	0.3	0.1	0.1	0.5	0.7	-	-	0.3	0.3	-	0.5
May	0.4	0.1	0.4	0.1	1.2	-0.2	0.1	0.6	0.9	-0.1	0.1
<b>Percentage change, latest year on previous year</b>											
2013	-	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-
<b>Percentage change, latest month on same month a year ago</b>											
2016 Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	0.3	0.1	0.2	0.6	0.7	-	-	0.3	0.2	-0.1	0.4
May	0.4	0.1	0.4	0.2	1.2	-0.2	0.1	0.6	0.8	-0.1	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.

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
<b>Percentage change, latest month on previous month</b>											
2016	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	0.3	0.1	0.1	0.5	0.7	-0.1	0.4	0.2	-	0.5
	May	0.2	-	0.2	-0.4	0.6	-0.2	0.1	0.6	-0.1	-0.3
<b>Percentage change, latest 3 months on same 3 months a year ago</b>											
2016	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	0.1	0.1	0.1	0.2	0.2	-	0.1	0.1	-0.1	0.2
	May	0.2	0.1	0.2	0.2	0.7	-0.1	0.1	0.3	0.4	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

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
<b>Percentage change, latest 3 months on previous 3 months</b>											
2016	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2017	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2018	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	0.1	0.1	0.1	0.2	0.2	-	0.1	0.1	-	0.2
	May	0.2	0.1	0.1	0.2	0.6	-0.1	0.1	0.3	0.4	-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

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 Q1	-	-	-	-	-	-
2017 Q2	-	-	-	-	-	-
2017 Q3	-	-	-	-	-	-
2017 Q4	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-
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	-	0.7	-0.1	0.1	0.4	0.8
2018 May	-0.1	1.4	0.1	0.1	-0.4	1.1

**Percentage change, latest year on previous year**

2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-
2017	-	-	-	-	-	-

**Percentage change, latest month on same month a year ago**

2016 Mar	-	-	-	-	-	-
2016 Apr	-	-	-	-	-	-
2016 May	-	-	-	-	-	-
2016 Jun	-	-	-	-	-	-
2016 Jul	-	-	-	-	-	-
2016 Aug	-	-	-	-	-	-
2016 Sep	-	-	-	-	-	-
2016 Oct	-	-	-	-	-	-
2016 Nov	-	-	-	-	-	-
2016 Dec	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-
2017 Feb	-	-	-	-	-	-
2017 Mar	-	-	-	-	-	-
2017 Apr	-	-	-	-	-	-
2017 May	-	-	-	-	-	-
2017 Jun	-	-	-	-	-	-
2017 Jul	-	-	-	-	-	-
2017 Aug	-	-	-	-	-	-
2017 Sep	-	-	-	-	-	-
2017 Oct	-	-	-	-	-	-
2017 Nov	-	-	-	-	-	-
2017 Dec	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-
2018 Feb	-	-	-	-	-	-
2018 Mar	-	-	-	-	-	-
2018 Apr	-0.1	0.7	-0.1	-	0.3	0.8
2018 May	-	1.3	0.1	0.1	-0.3	1.2

<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.

# IOP5R

continued

## Output of the Production Industries

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	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
2017 Q1	-	-	-	-	-	-	-
2017 Q2	-	-	-	-	-	-	-
2017 Q3	-	-	-	-	-	-	-
2017 Q4	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-
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	-0.4	-	-	-0.2	0.5	-	0.7
2018 May	-0.1	-0.1	0.6	-0.4	1.4	0.8	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 Mar	-	-	-	-	-	-	-
2016 Apr	-	-	-	-	-	-	-
2016 May	-	-	-	-	-	-	-
2016 Jun	-	-	-	-	-	-	-
2016 Jul	-	-	-	-	-	-	-
2016 Aug	-	-	-	-	-	-	-
2016 Sep	-	-	-	-	-	-	-
2016 Oct	-	-	-	-	-	-	-
2016 Nov	-	-	-	-	-	-	-
2016 Dec	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-
2017 Feb	-	-	-	-	-	-	-
2017 Mar	-	-	-	-	-	-	-
2017 Apr	-	-	-	-	-	-	-
2017 May	-	-	-	-	-	-	-
2017 Jun	-	-	-	-	-	-	-
2017 Jul	-	-	-	-	-	-	-
2017 Aug	-	-	-	-	-	-	-
2017 Sep	-	-	-	-	-	-	-
2017 Oct	-	-	-	-	-	-	-
2017 Nov	-	-	-	-	-	-	-
2017 Dec	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-
2018 Feb	-	-	-	-	-	-	-
2018 Mar	-	-	-	-	-	-	-
2018 Apr	-0.4	-	-	-0.2	0.4	-	0.6
2018 May	-0.1	-	0.5	-0.4	1.2	0.8	0.6

<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.

# IOP5R

continued

## 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

### Percentage change, latest month on previous month

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

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

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

<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.

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

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

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

<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.

# IOP5R

continued

## 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

### Percentage change, latest 3 months on previous 3 months

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

<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

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	Mar	-	-	-	-	-	-	
	Apr	-	-	-	-	-	-	
	May	-	-	-	-	-	-	
	Jun	-	-	-	-	-	-	
	Jul	-	-	-	-	-	-	
	Aug	-	-	-	-	-	-	
	Sep	-	-	-	-	-	-	
	Oct	-	-	-	-	-	-	
	Nov	-	-	-	-	-	-	
	Dec	-	-	-	-	-	-	
	2017	Jan	-	-	-	-	-	-
		Feb	-	-	-	-	-	-
Mar		-	-	-	-	-	-	
Apr		-	-	-	-	-	-	
May		-	-	-	-	-	-	
Jun		-	-	-	-	-	-	
Jul		-	-	-	-	-	-	
Aug		-	-	-	-	-	-	
Sep		-	-	-	-	-	-	
Oct		-	-	-	-	-	-	
Nov		-	-	-	-	-	-	
Dec		-	-	-	-	-	-	
2018	Jan	-	-	-	-	-	-	
	Feb	-	-	-	-	-	-	
	Mar	-	-	-	-	-	-	
	Apr	-0.2	-	-	-0.1	0.2	-	0.2
	May	-0.2	-	0.2	-0.2	0.5	0.3	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.



**Next publication:** 10th September 2018  
**Issued by:** Office for National Statistics, Government Buildings, Cardiff Road, Newport NP10 8XG

**Media contact:**  
Tel: Media Relations Office +44 (0) 845 6041858  
Emergency on-call +44 (0) 7867 906553  
Email: [press.office@ons.gsi.gov.uk](mailto:press.office@ons.gsi.gov.uk)

**Statistical contact:**  
Name: Mark Stephens  
Tel: Mark Stephens +44 (0) 1633 456387  
Email: [indexofproduction@ons.gsi.gov.uk](mailto:indexofproduction@ons.gsi.gov.uk)

**Contact us:**  
Tel: +44 (0) 845 601 3034  
Email: [info@ons.gsi.gov.uk](mailto:info@ons.gsi.gov.uk)  
Website: [www.statistics.gov.uk](http://www.statistics.gov.uk)  
Twitter: [www.twitter.com/statisticsONS](http://www.twitter.com/statisticsONS)