

Statistical bulletin

Index of Production, UK: September 2020

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



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Release date:
12 November 2020

Next release:
10 December 2020

Table of contents

1. [Main points](#)
2. [Index of Production data](#)
3. [Measuring the data](#)
4. [Related links](#)

1 . Main points

- Production output rose by 0.5% between August 2020 and September 2020, with all sectors showing growth: manufacturing rose by 0.2%; electricity and gas rose by 0.4%; mining and quarrying rose by 1.3%; and water supply rose by 1.7%.
- In September 2020, the Index of Production (IoP) was 5.6% below February 2020, the previous month of "normal" trading conditions, prior to the coronavirus (COVID-19) pandemic.
- The monthly increase of 0.2% in manufacturing output was led by manufacturing of transport equipment; 10 of the 13 subsectors displayed upward contributions.
- Total production output increased by 14.3% for the three months to September 2020 (Quarter 3), compared with the three months to June 2020 (Quarter 2); this was primarily because of the strength displayed during July 2020.
- For the three months to September 2020, compared with the three months to September 2019, production output decreased by 6.7%; this was led by a fall in manufacturing of 8.8%.
- The coronavirus continued to have a significant impact on our estimates of monthly, three-monthly and three-monthly on a year ago growth for production output during September 2020; for further and detailed analysis of the effect on our monthly IoP estimate, please see our article [Coronavirus and the impact on output in the UK economy, UK: September 2020](#), published today (12 November 2020).

2 . Index of Production data

[Index of Production time series](#)

Dataset DIOP | Released 12 November 2020

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.

[Output of the production industries](#)

Dataset | Released 12 November 2020

Index values and growth rates for production, manufacturing and the main industrial groupings in the UK.

[Index of Production and industry sectors to four decimal places](#)

Dataset | Released 12 November 2020

Monthly index values for production and the main Index of Production (IoP) sectors in the UK to four decimal places.

[Monthly Business Survey turnover in production industries](#)

Dataset | Released 12 November 2020

Monthly Business Survey (MBS) production industries' total turnover, domestic sales and exports in the UK. Figures are in current price and non-seasonally adjusted.

[Export proportions for manufacturing industries](#)

Dataset | Released 12 November 2020

Monthly, three-monthly and annual export data for the manufacturing industries, collected by the MBS at industry level in the UK.

All data related to the IoP are available on the [Related data page](#).

3 . Measuring the data

The Index of Production (IoP) uses data from a variety of sources and is calculated by taking turnover and removing the impact of price changes or by using direct volume estimates.

The majority of these data are collected as "turnover values" through the Monthly Business Survey (MBS). In addition, direct volume series are collected by the Department for Business, Energy and Industrial Strategy (BEIS) and the International Steel Statistics Bureau (ISSB) for steel industries.

From January 2018, Value Added Tax (VAT) data have also been included across 64 production industries for small and medium-sized businesses. For more information, see [VAT turnover data in national accounts: background and methodology](#).

A comprehensive list of the IoP source data can be found in the [Gross domestic product \(GDP\(O\)\) source catalogue \(XLS, 715KB\)](#).

More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in the [UK IoP QMI](#).

After EU withdrawal

As the UK leaves the EU, it is important that our statistics continue to be of high quality and are internationally comparable. During the transition period, those UK statistics that align with EU practice and rules will continue to do so in the same way as before 31 January 2020.

After the transition period, we will continue to produce our national accounts statistics in line with the UK Statistics Authority's [Code of Practice for Statistics](#) and in accordance with internationally agreed statistical guidance and standards.

The Withdrawal Agreement outlines a need for UK Gross National Income (a fundamental component of the national accounts, which includes gross domestic product (GDP)) statistics to remain in line with those of other EU countries until the EU budgets are finalised for the years in which we were a member. To ensure comparability during this cycle, the national accounts will continue to be produced according to [European System of Accounts \(ESA\) 2010](#) definitions and standards.

Coronavirus (COVID-19)

The Office for National Statistics' (ONS) MBS is fully online, meaning that business owners can log-on from any location and submit their data at an appropriate time. Most other data in the IoP come from the BEIS and therefore will be less impacted than survey data.

Our latest data and analysis on the impact of the coronavirus (COVID-19) on the UK economy and population is now available on a [web page](#). This is the hub for all special coronavirus-related publications, including the fortnightly Business Impact of Coronavirus (COVID-19) Survey (BICS).

The ONS has released a [public statement](#) on COVID-19 and the production of statistics. Specific queries must be directed to the [Media Relations Office](#).

4 . Related links

[Coronavirus and the impact on output in the UK economy, UK: September 2020](#)

Article | Released 12 November 2020

Analysis of monthly growth for the production, services and construction industries in the UK economy between August and September 2020, highlighting the early impact from the coronavirus (COVID-19) pandemic.

[Comparison of motor vehicle manufacturing output statistics, UK: 1997 to 2019](#)

Article | Released 10 January 2020

A comparison of the methodologies used to estimate motor vehicle manufacturing outputs by the Office for National Statistics (ONS) and the Society of Motor Manufacturers and Traders (SMMT).

[A comparison between official estimates of UK output and diffusion indices](#)

Article | Released 21 October 2019

The level of correlation between ONS data and IHS Markit and Chartered Institute of Procurement and Supply Purchasing Managers' Indices.

[GDP monthly estimate, UK: September 2020](#)

Bulletin | Released 12 November 2020

Gross domestic product (GDP) measures the value of goods and services produced in the UK. It estimates the size of and growth in the economy and includes the Index of Production (IoP), Index of Services (IoS) and construction output in Great Britain.

[Producer price inflation, UK: September 2020 including services , July to September 2020](#)

Bulletin | Released 21 October 2020

The corresponding price indices used to deflate the IoP are published in the monthly publication of [UK producer price inflation](#).

[UK manufacturers' sales by product \(ProdCom\): 2019 results](#)

Bulletin | Released 1 July 2020

Product sales by manufacturers are published on an annual basis in [ProdCom](#) statistical bulletins; estimates are in current prices, unlike the chained volume measures published in the IoP release.

[Energy Trends and Prices: October 2020](#)

Bulletin | Released 29 October 2020

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 manufacture of coke and refined petroleum products sectors within this release.

- [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 added¹

Seasonally adjusted 2018 = 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	80.9	725.1	102.2	91.8	68.2	67.9	199.0	278.7	231.6	213.2	
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T	
2015	96.3	96.5	96.4	99.7	93.3	89.1	86.7	98.3	90.5	102.4	97.3	
2016	97.3	94.3	96.6	103.3	99.2	92.6	92.6	98.4	92.6	99.7	99.9	
2017	99.1	95.0	98.9	101.2	101.5	93.6	90.0	98.6	97.3	100.8	98.9	
2018	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
2019	98.8	99.2	98.3	101.0	99.8	99.2	99.4	102.4	94.8	98.6	100.5	
2019 Q3	98.3	100.0	97.6	99.9	100.5	100.3	98.0	101.7	94.5	97.6	100.1	
Q4	98.0	98.2	96.9	103.1	100.1	98.3	98.3	101.2	93.1	97.2	101.5	
2020 Q1	96.0	94.9	95.2	98.4	100.4	94.8	93.2	104.1	88.3	95.5	98.1	
Q2	80.3	93.5	75.0	92.9	96.2	93.5	73.3	95.9	62.1	75.2	94.8	
Q3	91.8	94.7	89.1	100.4	100.8	94.6	86.8	102.4	78.2	92.0	97.7	
2019 Jul	98.7	97.3	98.4	100.5	100.0	97.4	98.1	103.7	94.9	97.6	99.6	
Aug	97.9	98.3	97.3	99.7	100.7	98.1	97.9	100.4	94.5	97.5	99.5	
Sep	98.3	104.5	97.2	99.4	100.7	105.4	98.0	101.1	94.1	97.6	101.2	
Oct	98.8	98.5	97.9	103.7	99.9	98.3	101.4	101.8	95.0	97.8	101.8	
Nov	97.8	99.6	96.5	103.8	100.0	99.6	97.7	101.3	92.4	96.7	102.2	
Dec	97.3	96.5	96.4	101.8	100.4	97.0	95.9	100.5	92.0	97.2	100.6	
2020 Jan	97.2	96.8	96.6	98.9	100.4	96.6	94.9	102.0	91.5	97.7	98.8	
Feb	97.6	96.7	97.4	98.2	99.4	96.7	95.0	105.1	91.8	96.9	98.7	
Mar	93.1	91.2	91.5	98.1	101.4	91.1	89.8	105.2	81.6	92.0	96.8	
Apr	74.9	89.7	68.5	91.3	93.9	94.0	66.0	93.5	54.8	65.8	93.4	
May	79.1	92.1	73.9	91.7	95.3	94.6	73.6	95.7	59.9	74.4	93.9	
Jun	86.9	98.8	82.8	95.6	99.5	100.0	80.2	98.5	71.6	85.4	97.0	
Jul	91.5 ^T	97.1 ^T	88.5	99.9 ^T	100.6 ^T	97.2 ^T	87.1 ^T	103.4 ^T	77.2 ^T	90.6 ^T	98.2 ^T	
Aug	91.7	92.9	89.3 ^T	100.5	100.0	92.9	86.3	103.3	78.2	91.8	97.1	
Sep	92.1	94.1	89.4	100.9	101.8	93.8	87.0	100.4	79.2	93.4	98.0	
Percentage change, latest year on previous year												
2015	0.3	2.3	-0.5	2.1	3.0	4.4	-1.1	0.2	-2.4	0.3	2.7	
2016	1.1	-2.3	0.3	3.6	6.3	3.8	0.3	0.1	2.2	-2.7	2.6	
2017	1.8	0.7	2.3	-2.1	2.3	1.2	3.5	0.2	5.1	1.2	-0.9	
2018	0.9	5.3	1.1	-1.2	-1.4	6.8	11.1	1.4	2.8	-0.8	1.1	
2019	-1.2	-0.8	-1.7	1.0	-0.2	-0.8	-0.6	2.4	-5.2	-1.4	0.5	
Percentage change, latest month on same month a year ago												
2018 Jul	1.8	8.5	2.0	-2.3	-	10.6	15.7	2.9	1.9	0.8	2.3	
Aug	1.6	10.2	1.5	-2.0	0.3	11.9	10.3	1.2	2.1	0.7	2.9	
Sep	0.1	2.7	0.5	-3.8	-1.0	2.7	5.0	2.8	-0.5	-0.2	-0.4	
Oct	-0.6	2.0	-0.5	-2.1	-2.5	1.5	7.4	2.2	-2.3	-0.4	0.1	
Nov	-1.4	-0.2	-1.1	-3.6	-2.6	-0.1	6.0	2.9	-2.2	-3.7	-0.6	
Dec	-1.1	23.8	-1.8	-5.4	-2.6	34.2	4.5	2.6	-3.8	-3.3	3.3	
2019 Jan	-1.1	-1.2	-1.3	1.3	-1.5	-2.2	-0.1	5.4	-7.1	-0.3	1.4	
Feb	-0.8	2.9	-0.1	-6.7	-1.4	2.8	-1.3	5.6	-6.1	1.8	-2.2	
Mar	1.1	10.9	1.8	-8.1	-0.6	11.9	0.5	11.1	-4.9	2.0	-0.7	
Apr	-2.4	-4.8	-2.6	-1.3	0.6	-5.8	-1.8	4.1	-9.8	-	-2.2	
May	-0.2	0.8	-1.4	6.8	1.1	1.4	3.3	0.4	-4.1	-0.8	4.6	
Jun	-1.3	-1.2	-2.4	6.5	-1.7	-0.2	-2.7	-0.3	-4.0	-2.3	2.5	
Jul	-1.9	-7.1	-1.8	0.7	-0.9	-7.4	-2.5	3.2	-4.7	-3.2	-1.8	
Aug	-2.3	-6.7	-2.5	0.2	-0.2	-7.4	-1.3	0.6	-4.5	-3.1	-2.1	
Sep	-2.1	3.7	-3.4	0.1	0.5	5.0	-0.9	-	-5.5	-3.6	0.8	
Oct	-0.8	-2.8	-1.6	5.6	-	-3.1	3.1	0.9	-2.5	-3.1	2.0	
Nov	-1.1	-0.4	-2.4	5.7	0.8	-0.7	-	-0.4	-4.6	-2.0	2.7	
Dec	-1.5	-2.6	-2.5	3.4	1.2	-2.7	-3.0	-1.1	-4.8	-1.6	1.3	
2020 Jan	-2.2	-0.3	-3.0	-1.9	2.0	0.7	-4.6	-1.3	-4.4	-2.9	-1.0	
Feb	-2.2	-2.6	-2.9	0.6	0.6	-2.0	-5.3	1.2	-4.5	-4.8	0.2	
Mar	-8.1	-12.1	-10.1	-0.3	2.5	-12.5	-12.2	-2.8	-16.0	-9.2	-3.8	
Apr	-23.7	-7.9	-29.9	-9.8	-5.0	-2.9	-34.1	-9.3	-40.6	-33.4	-6.3	
May	-20.3	-8.1	-25.1	-10.3	-5.5	-5.9	-28.8	-4.5	-38.3	-24.4	-7.6	
Jun	-12.1	0.9	-15.7	-7.2	-1.0	2.0	-18.7	-2.8	-25.3	-13.0	-3.7	
Jul	-7.3 ^T	-0.2 ^T	-10.1	-0.6 ^T	0.6 ^T	-0.2 ^T	-11.2 ^T	-0.2 ^T	-18.7	-7.2 ^T	-1.5 ^T	
Aug	-6.4	-5.4	-8.3 ^T	0.7	-0.6	-5.3	-11.9	2.9	-17.3	-5.8	-2.4	
Sep	-6.3	-9.9	-7.9	1.5	1.1	-11.0	-11.2	-0.7	-15.8	-4.2	-3.2	

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 2018 = 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	80.9	725.1	102.2	91.8	68.2	67.9	199.0	278.7	231.6	213.2
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
Percentage change, latest month on previous month											
2018 Jul	0.3	5.8	-0.3	3.2	-1.2	7.1	-0.7	-1.2	-0.2	0.3	3.3
Aug	-0.3	0.6	-0.5	-0.3	-0.1	0.7	-1.4	-0.7	-0.6	-0.2	0.2
Sep	0.2	-4.4	0.8	-0.3	-0.7	-5.2	-0.3	1.3	0.6	0.5	-1.3
Oct	-0.9	0.6	-1.0	-1.0	-0.3	1.0	-0.6	-0.1	-2.2	-0.3	-0.6
Nov	-0.6	-1.3	-0.6	-	-0.7	-1.1	-0.7	0.9	-0.6	-2.3	-0.3
Dec	-0.1	-1.0	-	0.2	-	-0.6	1.2	-0.1	-0.1	0.2	-0.2
2019 Jan	0.5	-1.9	0.7	2.3	-0.8	-3.8	0.6	1.7	-1.0	1.8	0.5
Feb	0.4	2.3	0.7	-3.2	0.3	2.9	0.8	0.5	0.5	1.1	-1.2
Mar	1.5	4.5	1.5	0.8	0.2	5.5	2.0	4.2	1.1	-0.4	2.1
Apr	-3.1	-6.2	-4.0	2.9	-0.1	-7.0	-2.1	-4.8	-5.0	-2.4	-1.0
May	1.2	3.0	1.0	1.0	2.0	3.8	3.2	-2.7	5.0	-0.4	2.0
Jun	-0.5	-2.4	-0.5	0.8	-0.3	-2.5	-4.5	1.1	-1.2	-0.3	-1.0
Jul	-0.2	-0.5	0.2	-2.5	-0.5	-0.7	-0.6	2.3	-0.9	-0.6	-1.1
Aug	-0.8	1.0	-1.1	-0.8	0.7	0.7	-0.2	-3.2	-0.4	-0.1	-0.2
Sep	0.4	6.4	-0.1	-0.4	-	7.5	0.1	0.7	-0.4	-	1.7
Oct	0.5	-5.8	0.8	4.4	-0.8	-6.8	3.4	0.7	0.9	0.2	0.6
Nov	-1.0	1.1	-1.5	0.1	0.1	1.4	-3.7	-0.4	-2.7	-1.1	0.4
Dec	-0.5	-3.1	-	-2.0	0.4	-2.6	-1.8	-0.8	-0.4	0.6	-1.5
2020 Jan	-0.1	0.3	0.2	-2.9	-	-0.4	-1.1	1.5	-0.6	0.5	-1.8
Feb	0.4	-0.1	0.8	-0.7	-1.0	0.1	0.1	3.0	0.3	-0.9	-0.1
Mar	-4.6	-5.7	-6.0	-0.1	2.0	-5.8	-5.4	0.1	-11.1	-5.0	-1.9
Apr	-19.6	-1.7	-25.1	-7.0	-7.4	3.2	-26.6	-11.1	-32.8	-28.5	-3.5
May	5.7	2.7	7.8	0.5	1.4	0.6	11.6	2.4	9.2	13.0	0.6
Jun	9.8	7.2	12.0	4.3	4.4	5.7	8.9	3.0	19.6	14.8	3.3
Jul	5.2	-1.7 †	6.9 †	4.5 †	1.1 †	-2.7 †	8.6 †	5.0 †	7.9 †	6.1 †	1.2 †
Aug	0.3	-4.3	0.9 †	0.6	-0.5	-4.5	-0.9	-0.2	1.2	1.4	-1.1
Sep	0.5	1.3	0.2	0.4	1.7	1.1	0.8	-2.8	1.4	1.7	1.0
Percentage change, latest 3 months on same 3 months a year ago²											
2018 Jul	1.5	4.7	2.2	-3.8	-0.2	5.7	13.5	2.0	4.2	0.1	-0.6
Aug	1.7	6.4	2.0	-2.9	0.4	7.5	12.2	2.0	3.0	0.7	0.9
Sep	1.2	7.1	1.3	-2.7	-0.3	8.3	10.2	2.3	1.2	0.4	1.6
Oct	0.4	4.9	0.5	-2.7	-1.1	5.2	7.5	2.1	-0.3	-	0.8
Nov	-0.6	1.5	-0.3	-3.2	-2.0	1.3	6.1	2.6	-1.7	-1.5	-0.3
Dec	-1.0	7.4	-1.1	-3.7	-2.6	9.8	6.0	2.6	-2.8	-2.5	0.9
2019 Jan	-1.2	6.3	-1.4	-2.6	-2.2	8.5	3.4	3.6	-4.4	-2.5	1.3
Feb	-1.0	7.5	-1.0	-3.7	-1.8	9.7	0.9	4.5	-5.7	-0.7	0.8
Mar	-0.2	4.1	0.1	-4.7	-1.2	4.1	-0.3	7.4	-6.0	1.1	-0.5
Apr	-0.7	2.8	-0.3	-5.4	-0.5	2.7	-0.9	6.9	-6.9	1.3	-1.7
May	-0.5	2.1	-0.7	-1.1	0.4	2.2	0.6	5.2	-6.3	0.4	0.5
Jun	-1.3	-1.7	-2.1	3.9	-	-1.6	-0.4	1.4	-6.0	-1.1	1.6
Jul	-1.1	-2.5	-1.9	4.6	-0.5	-2.2	-0.6	1.1	-4.3	-2.1	1.7
Aug	-1.8	-5.1	-2.2	2.4	-0.9	-5.1	-2.2	1.1	-4.4	-2.9	-0.5
Sep	-2.1	-3.4	-2.6	0.3	-0.2	-3.4	-1.6	1.3	-4.9	-3.3	-1.0
Oct	-1.7	-2.0	-2.5	1.9	0.1	-1.9	0.3	0.5	-4.2	-3.3	0.2
Nov	-1.3	0.2	-2.5	3.8	0.4	0.4	0.7	0.2	-4.2	-2.9	1.8
Dec	-1.2	-1.9	-2.2	4.9	0.7	-2.2	-	-0.2	-4.0	-2.2	2.0
2020 Jan	-1.6	-1.1	-2.6	2.3	1.3	-0.9	-2.5	-1.0	-4.6	-2.1	1.0
Feb	-2.0	-1.8	-2.8	0.7	1.3	-1.4	-4.3	-0.4	-4.6	-3.1	0.2
Mar	-4.2	-5.1	-5.3	-0.5	1.7	-4.8	-7.4	-1.0	-8.3	-5.6	-1.6
Apr	-11.3	-7.6	-14.1	-3.2	-0.6	-6.0	-17.1	-3.6	-20.1	-15.6	-3.4
May	-17.3	-9.4	-21.5	-6.9	-2.7	-7.2	-25.0	-5.5	-31.5	-22.2	-5.9
Jun	-18.7	-5.0	-23.6	-9.1	-3.8	-2.3	-27.3	-5.6	-34.7	-23.7	-5.9
Jul	-13.3	-2.5 †	-17.0	-6.1 †	-2.0 †	-1.4 †	-19.7 †	-2.5 †	-27.5	-14.9 †	-4.3 †
Aug	-8.6	-1.6	-11.4	-2.4	-0.4	-1.2	-13.9	-0.1	-20.4 †	-8.7	-2.5
Sep	-6.7	-5.3	-8.8	0.5	0.3	-5.6	-11.4	0.6	-17.3	-5.8	-2.4

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

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

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2018 = 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	80.9	725.1	102.2	91.8	68.2	67.9	199.0	278.7	231.6	213.2
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
Percentage change, latest 3 months on previous 3 months²											
2018 Jul	-0.3	3.7	0.1	-7.0	1.7	3.6	-1.1	2.5	-2.1	0.8	-2.3
Aug	0.3	4.7	0.1	-2.9	2.2	4.8	-0.8	1.9	-2.4	1.6	0.3
Sep	0.3	3.3	-0.1	1.3	0.6	3.8	-1.5	0.2	-1.7	1.4	2.1
Oct	-0.1	1.4	-0.3	1.6	-0.7	1.7	-1.8	-0.1	-1.5	0.7	1.7
Nov	-0.7	-2.2	-0.5	-0.2	-1.6	-2.3	-2.1	0.6	-1.5	-0.5	-0.6
Dec	-1.3	-3.3	-1.1	-1.2	-1.2	-3.2	-1.3	1.0	-2.4	-1.5	-1.6
2019 Jan	-1.0	-3.7	-0.9	0.2	-1.4	-3.8	-0.2	1.7	-2.3	-1.6	-1.1
Feb	-0.3	-2.2	-0.1	0.4	-1.0	-2.6	1.2	1.7	-1.8	0.2	-0.7
Mar	1.0	-0.1	1.4	0.6	-0.7	-0.9	2.4	3.6	-0.7	1.8	0.1
Apr	0.7	1.4	0.8	-0.1	-0.1	1.3	2.2	2.7	-1.2	1.3	0.1
May	0.3	2.0	-0.2	1.6	0.7	2.4	2.4	0.9	-0.7	-0.8	1.5
Jun	-1.4	-1.6	-2.3	3.3	1.4	-1.1	0.1	-3.4	-1.4	-2.7	1.1
Jul	-0.8	-1.6	-1.5	2.9	1.6	-1.2	-0.8	-3.1	0.7	-2.5	1.1
Aug	-1.1	-2.6	-1.4	0.5	0.9	-2.6	-3.6	-1.9	-0.4	-1.8	-0.7
Sep	-0.5	1.6	-0.6	-2.2	0.4	1.8	-2.7	0.2	-0.5	-0.9	-0.6
Oct	-0.6	2.0	-1.0	-1.0	-	1.9	-0.9	-0.7	-1.4	-0.5	0.1
Nov	-0.2	3.1	-0.8	1.2	-0.2	3.3	0.8	-0.4	-1.3	-0.5	1.8
Dec	-0.4	-1.8	-0.7	3.2	-0.4	-2.0	0.3	-0.5	-1.5	-0.4	1.4
2020 Jan	-0.9	-2.8	-1.0	0.6	-0.2	-2.8	-3.0	0.2	-2.7	-0.4	-0.3
Feb	-0.9	-4.2	-0.4	-2.6	-0.1	-4.3	-3.8	1.1	-2.2	-0.1	-2.3
Mar	-2.1	-3.3	-1.8	-4.6	0.3	-3.6	-5.2	2.8	-5.2	-1.7	-3.4
Apr	-9.2	-5.2	-11.1	-5.6	-2.0	-3.9	-13.1	-	-17.3	-12.7	-4.2
May	-15.4	-5.8	-19.5	-6.0	-3.2	-3.7	-19.7	-4.3	-28.7	-20.4	-4.7
Jun	-16.3	-1.5	-21.1	-5.6	-4.2	1.5	-21.4	-7.8	-29.7	-21.3	-3.4
Jul	-3.0	3.7 [†]	-4.8	-0.1 [†]	0.2 [†]	3.6 [†]	-3.9 [†]	-2.0 [†]	-8.6	-1.7 [†]	0.1 [†]
Aug	9.3	5.8	11.4 [†]	5.3	3.3	3.7	10.6	3.7	15.6	15.3	2.9
Sep	14.3	1.3	18.7	8.1	4.8	-1.6	18.5	6.7	26.0	22.3	3.1

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

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

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2018 = 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	113.5	26.0	47.2	10.9	42.9	48.6
	K22B	K22P	K22T	K22X	K22Z	K239
2015	96.2	104.4	101.6	104.2	103.0	96.5
2016	96.4	102.2	100.3	103.2	96.6	99.3
2017	98.2	101.8	101.1	104.3	98.7	97.9
2018	100.0	100.0	100.0	100.0	100.0	100.0
2019	101.4	100.0	100.9	102.8	99.3	106.8
2019 Q3	100.8	100.5	100.2	95.9	96.6	105.2
Q4	100.9	99.2	100.4	104.5	96.5	102.9
2020 Q1	100.4	90.7	96.6	100.0	101.6	117.4
Q2	89.8	59.7	74.7	71.9	94.6	130.4
Q3	97.6	93.0	91.3	75.8	101.0	125.4
2019 Jul	99.7	101.4	98.7	100.3	96.3	116.2
Aug	101.0	99.0	100.7	96.6	96.3	100.3
Sep	101.7	101.2	101.0	90.8	97.2	99.3
Oct	101.9	102.3	102.2	104.3	97.7	102.5
Nov	100.7	99.0	100.2	102.4	93.7	104.7
Dec	100.0	96.3	98.8	106.9	98.0	101.6
2020 Jan	100.4	93.9	98.7	101.6	101.7	107.4
Feb	101.3	96.6	97.2	102.6	99.4	117.3
Mar	99.5	81.5	94.0	95.8	103.8	127.4
Apr	87.7	40.4	67.7	73.6	94.0	132.0
May	89.3	58.8	73.4	70.1	95.3	130.0
Jun	92.5	80.0	82.9	72.1	94.4	129.1
Jul	97.2	92.7 [†]	91.5 [†]	74.3 [†]	98.9 [†]	131.8 [†]
Aug	97.9 [†]	92.9	90.2	73.3	101.9	128.5
Sep	97.7	93.4	92.3	79.9	102.3	115.9

Percentage change, latest year on previous year

2015	-	-0.7	0.6	1.8	4.4	-0.4
2016	0.2	-2.2	-1.2	-1.0	-6.2	2.9
2017	1.9	-0.4	0.8	1.1	2.1	-1.4
2018	1.8	-1.8	-1.1	-4.1	1.4	2.1
2019	1.4	-	0.9	2.8	-0.7	6.8

Percentage change, latest month on same month a year ago

2018 Jul	2.8	1.7	1.8	2.2	2.8	0.7
Aug	3.2	0.7	-2.2	5.1	-2.3	0.4
Sep	3.4	-0.1	-0.8	-0.9	2.0	4.2
Oct	3.3	-1.4	-0.4	-2.5	5.9	1.6
Nov	1.7	-2.5	1.3	0.9	6.5	5.0
Dec	2.8	-3.8	-1.0	0.2	8.7	5.3
2019 Jan	4.3	-0.9	0.9	13.3	7.7	12.6
Feb	5.1	2.1	2.6	17.8	7.6	12.0
Mar	6.1	6.3	6.1	8.6	8.9	25.7
Apr	3.2	2.8	4.7	6.4	0.6	8.5
May	0.5	-2.1	-1.4	10.4	0.4	3.9
Jun	-2.2	-2.0	-0.3	-4.6	-1.1	6.6
Jul	-1.5	-0.4	-3.1	0.9	-5.1	20.9
Aug	0.1	-3.0	2.5	-8.7	-0.9	1.0
Sep	1.1	-1.6	0.7	-14.0	-5.5	-2.5
Oct	0.9	2.7	2.4	1.6	-4.3	-
Nov	0.1	-0.4	-2.1	0.1	-9.2	-0.3
Dec	-0.9	-3.3	-1.3	5.1	-5.9	-3.4
2020 Jan	-1.9	-5.2	-2.0	-5.7	-2.9	-2.3
Feb	-1.6	-3.1	-5.2	-6.0	-5.9	7.1
Mar	-4.7	-20.2	-10.1	-9.3	-1.5	5.9
Apr	-14.1	-60.2	-34.2	-30.1	-4.5	23.4
May	-11.3	-40.6	-26.1	-34.7	-4.2	28.0
Jun	-6.4	-19.3	-16.9	-25.4	-4.6	18.0
Jul	-2.6	-8.5 [†]	-7.3 [†]	-25.9 [†]	2.8 [†]	13.4 [†]
Aug	-3.1 [†]	-6.2	-10.4	-24.2	5.8	28.2
Sep	-3.9	-7.6	-8.7	-12.0	5.3	16.7

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.

IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2018 = 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	51.4	75.4	51.2	18.1	60.7	110.5	68.7
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2015	100.1	103.1	84.7	106.9	92.3	93.5	88.7
2016	102.5	99.8	83.9	102.3	91.6	97.6	92.9
2017	101.7	100.4	87.8	105.3	97.7	100.7	98.7
2018	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2019	97.2	97.7	98.3	98.8	92.7	94.6	95.9
2019 Q3	96.3	97.2	96.2	98.2	91.5	96.4	95.0
Q4	96.0	96.9	97.0	96.4	89.6	93.3	95.2
2020 Q1	94.0	95.3	92.4	96.2	81.4	87.6	93.5
Q2	66.9	72.7	82.1	77.5	56.8	46.3	70.9
Q3	88.9	84.2	87.1	97.3	73.5	70.3	89.5
2019 Jul	97.0	97.9	96.4	99.4	91.8	97.3	94.1
Aug	96.0	96.9	95.4	97.7	91.9	96.6	95.4
Sep	96.0	97.0	96.6	97.4	90.7	95.2	95.4
Oct	95.8	96.2	101.1	95.6	90.6	95.5	95.0
Nov	95.2	96.7	96.0	95.2	90.0	91.6	95.8
Dec	97.0	98.0	93.9	98.2	88.4	92.8	94.8
2020 Jan	97.4	97.4	93.0	98.2	85.7	92.5	95.4
Feb	96.9	97.5	92.5	97.0	85.0	93.7	95.6
Mar	87.7	91.0	91.6	93.4	73.5	76.4	89.6
Apr	51.5	65.5	77.3	68.2	46.1	39.2	62.9
May	67.3	71.5	82.3	77.3	56.0	40.8	71.2
Jun	81.9	81.1	86.7	87.1	68.5	59.1	78.7
Jul	87.3 [†]	82.5 [†]	88.0 [†]	94.3 [†]	72.7 [†]	68.2 [†]	88.3 [†]
Aug	89.2	83.9	86.2	98.2	73.4	69.9	90.9
Sep	90.1	86.3	87.0	99.5	74.5	72.8	89.3
Percentage change, latest year on previous year							
2015	1.3	-0.5	-2.8	-	-12.9	4.5	-1.2
2016	2.3	-3.2	-0.9	-4.3	-0.8	4.3	4.7
2017	-0.8	0.6	4.6	2.9	6.7	3.2	6.3
2018	-1.7	-0.4	13.9	-5.1	2.3	-0.7	1.3
2019	-2.8	-2.3	-1.7	-1.2	-7.3	-5.4	-4.1
Percentage change, latest month on same month a year ago							
2018 Jul	0.8	3.4	19.1	-8.4	2.0	-3.6	0.6
Aug	-0.4	2.1	13.4	-1.6	1.4	-0.5	-0.2
Sep	-0.5	-	5.4	-7.7	-3.1	-1.1	-0.4
Oct	-0.3	-3.8	8.7	-3.5	-3.9	-7.6	1.8
Nov	-2.7	-10.9	6.6	-4.7	-5.3	-4.0	-0.5
Dec	-1.9	-11.2	5.5	-9.5	-6.3	-4.4	-4.8
2019 Jan	-1.1	-3.7	-0.7	-4.5	-9.9	-8.2	-6.9
Feb	1.1	-3.5	-2.3	-2.2	-5.3	-7.8	-4.6
Mar	1.2	-3.5	-0.3	3.0	-7.8	-4.1	-5.2
Apr	-0.5	-4.3	-3.8	2.3	-7.9	-17.2	-1.0
May	-2.7	-0.6	2.4	0.2	-5.9	-6.7	-1.7
Jun	-5.2	-4.4	-3.2	3.2	-6.2	-1.2	-5.7
Jul	-4.3	-2.9	-4.0	0.5	-7.5	-2.5	-5.5
Aug	-4.8	-4.4	-4.4	-3.0	-6.8	-2.6	-2.7
Sep	-5.2	-3.5	-2.0	-2.2	-7.4	-4.5	-6.3
Oct	-4.9	-3.5	3.1	-6.3	-6.8	-0.8	-4.3
Nov	-4.8	4.2	-0.8	-5.3	-7.3	-4.3	-3.6
Dec	-1.5	3.3	-4.7	-0.2	-9.1	-3.7	-1.9
2020 Jan	-1.7	-1.7	-5.6	-0.6	-10.9	-2.8	1.1
Feb	-2.3	-3.2	-7.3	-2.7	-11.5	-1.5	-
Mar	-12.1	-8.3	-9.9	-7.6	-23.2	-21.0	-7.5
Apr	-47.3	-32.4	-21.7	-32.7	-51.1	-54.3	-36.4
May	-30.5	-26.8	-19.9	-22.7	-40.0	-57.7	-27.5
Jun	-15.7	-15.7	-11.5	-13.5	-26.6	-39.3	-18.0
Jul	-10.1 [†]	-15.7 [†]	-8.7 [†]	-5.1 [†]	-20.8 [†]	-29.8 [†]	-6.1 [†]
Aug	-7.0	-13.4	-9.7	0.5	-20.2	-27.6	-4.7
Sep	-6.1	-11.0	-9.9	2.2	-17.8	-23.6	-6.4

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IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2018 = 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	113.5	26.0	47.2	10.9	42.9	48.6
	K22B	K22P	K22T	K22X	K22Z	K239

Percentage change, latest month on previous month

2018	Jul	0.3	0.5	1.8	-1.8	1.4	-6.4
	Aug	-0.4	0.3	-3.6	6.4	-4.2	3.3
	Sep	-0.3	0.7	2.2	-0.2	5.8	2.6
	Oct	0.4	-3.1	-0.6	-2.7	-0.7	0.6
	Nov	-0.4	-0.2	2.6	-0.5	1.1	2.5
	Dec	0.4	0.2	-2.2	-0.6	0.9	0.2
2019	Jan	1.4	-0.6	0.7	6.0	0.6	4.5
	Feb	0.6	0.7	1.7	1.3	0.8	-0.4
	Mar	1.4	2.5	2.2	-3.2	-0.2	9.9
	Apr	-2.3	-0.9	-1.7	-0.4	-6.6	-11.1
	May	-1.3	-2.3	-3.5	2.0	1.0	-5.0
	Jun	-1.9	0.2	0.5	-9.9	-0.5	7.7
	Jul	1.0	2.2	-1.0	3.8	-2.7	6.3
	Aug	1.3	-2.3	2.0	-3.7	-	-13.7
	Sep	0.6	2.2	0.3	-6.0	0.9	-1.0
	Oct	0.2	1.1	1.2	14.9	0.5	3.2
	Nov	-1.2	-3.2	-2.0	-1.9	-4.0	2.2
	Dec	-0.7	-2.7	-1.4	4.3	4.5	-2.9
2020	Jan	0.4	-2.5	-	-4.9	3.8	5.7
	Feb	0.9	2.8	-1.6	1.0	-2.3	9.2
	Mar	-1.8	-15.6	-3.2	-6.6	4.4	8.6
	Apr	-11.9	-50.5	-28.0	-23.2	-9.4	3.6
	May	1.9	45.7	8.4	-4.8	1.4	-1.5
	Jun	3.5	36.1	12.9	2.9	-0.9	-0.8
	Jul	5.1	15.9 [†]	10.5 [†]	3.1 [†]	4.8 [†]	2.1 [†]
	Aug	0.8 [†]	0.1	-1.5	-1.4	3.0	-2.5
	Sep	-0.3	0.6	2.3	9.1	0.4	-9.8

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

2018	Jul	2.3	0.3	0.4	-5.0	1.0	0.8
	Aug	2.6	0.9	-0.2	0.1	0.3	1.1
	Sep	3.1	0.8	-0.4	2.1	0.8	1.8
	Oct	3.3	-0.3	-1.1	0.5	1.8	2.1
	Nov	2.8	-1.3	-	-0.8	4.8	3.6
	Dec	2.6	-2.6	-	-0.5	7.1	4.0
2019	Jan	2.9	-2.4	0.4	4.6	7.7	7.6
	Feb	4.1	-0.9	0.8	10.1	8.0	9.9
	Mar	5.2	2.4	3.2	13.1	8.1	16.7
	Apr	4.8	3.7	4.5	10.8	5.7	15.3
	May	3.2	2.3	3.1	8.4	3.3	12.6
	Jun	0.5	-0.5	1.0	3.9	-	6.3
	Jul	-1.1	-1.5	-1.6	2.1	-2.0	10.3
	Aug	-1.2	-1.8	-0.3	-4.2	-2.4	9.3
	Sep	-0.1	-1.7	-	-7.4	-3.9	6.2
	Oct	0.7	-0.7	1.9	-7.1	-3.6	-0.5
	Nov	0.7	0.2	0.3	-4.2	-6.3	-0.9
	Dec	-	-0.3	-0.4	2.3	-6.5	-1.3
2020	Jan	-0.9	-3.0	-1.8	-0.3	-6.0	-2.0
	Feb	-1.5	-3.9	-2.8	-2.4	-4.9	0.5
	Mar	-2.7	-9.6	-5.8	-7.0	-3.4	3.6
	Apr	-6.8	-27.9	-16.5	-15.0	-4.0	11.9
	May	-10.0	-40.3	-23.4	-24.7	-3.4	18.4
	Jun	-10.6	-40.2	-25.8	-30.2	-4.4	23.0
	Jul	-6.8	-22.7 [†]	-16.8	-28.8	-2.0 [†]	19.5 [†]
	Aug	-4.0 [†]	-11.3	-11.6 [†]	-25.2	1.3	19.5
	Sep	-3.2	-7.5	-8.8	-20.9	4.6	19.1

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

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

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2018 = 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	51.4	75.4	51.2	18.1	60.7	110.5	68.7
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

Percentage change, latest month on previous month

2018	Jul	-1.1	0.1	-0.7	1.5	-0.1	1.2	-2.2
	Aug	-0.6	0.6	-0.7	1.8	-0.6	-0.5	-1.6
	Sep	0.4	-0.8	-1.2	-1.1	-0.7	0.5	3.9
	Oct	-0.5	-0.9	-0.5	2.6	-0.8	-3.3	-2.5
	Nov	-0.7	-6.9	-1.2	-1.5	-0.1	-0.6	0.1
	Dec	-1.6	2.2	1.7	-2.1	0.1	0.6	-2.7
2019	Jan	0.6	4.5	-	0.4	-1.0	-1.2	-2.4
	Feb	0.2	1.7	1.3	0.9	-0.2	-	1.4
	Mar	0.7	-1.5	1.9	1.5	-0.2	1.7	1.2
	Apr	-2.0	-2.3	-2.9	0.2	-1.7	-11.5	2.2
	May	-1.0	0.9	4.0	-1.3	-0.9	12.4	-0.7
	Jun	0.4	-1.6	-4.7	0.6	-0.1	1.0	-2.4
	Jul	-0.2	1.7	-1.6	-1.2	-1.6	-0.1	-1.9
	Aug	-1.1	-1.0	-1.0	-1.7	0.1	-0.6	1.4
	Sep	-	-	1.3	-0.4	-1.3	-1.5	0.1
	Oct	-0.2	-0.8	4.6	-1.8	-0.1	0.3	-0.5
	Nov	-0.6	0.5	-5.0	-0.4	-0.6	-4.1	0.9
	Dec	1.9	1.3	-2.2	3.2	-1.8	1.3	-1.0
2020	Jan	0.4	-0.6	-1.0	-	-3.0	-0.3	0.6
	Feb	-0.4	0.1	-0.5	-1.3	-0.9	1.3	0.2
	Mar	-9.5	-6.7	-1.0	-3.6	-13.5	-18.4	-6.3
	Apr	-41.3	-28.0	-15.6	-27.0	-37.3	-48.8	-29.8
	May	30.6	9.2	6.4	13.3	21.4	4.2	13.2
	Jun	21.7	13.3	5.3	12.6	22.3	44.8	10.5
	Jul	6.6 [†]	1.8	1.5 [†]	8.3 [†]	6.2 [†]	15.5 [†]	12.2 [†]
	Aug	2.2	1.7 [†]	-2.1	4.1	0.9	2.5	2.9
	Sep	1.0	2.9	1.0	1.4	1.6	4.1	-1.8

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

2018	Jul	-	1.5	16.3	-6.9	3.9	0.7	2.7
	Aug	0.9	2.3	14.8	-6.5	3.4	-0.4	1.0
	Sep	-0.1	1.8	12.4	-6.0	-	-1.7	-
	Oct	-0.4	-0.6	9.1	-4.3	-1.9	-3.1	0.4
	Nov	-1.2	-5.0	6.9	-5.3	-4.1	-4.3	0.3
	Dec	-1.7	-8.7	6.9	-5.9	-5.1	-5.4	-1.2
2019	Jan	-1.9	-8.7	3.7	-6.3	-7.2	-5.6	-4.1
	Feb	-0.6	-6.2	0.7	-5.5	-7.2	-6.8	-5.4
	Mar	0.4	-3.6	-1.1	-1.3	-7.7	-6.7	-5.6
	Apr	0.6	-3.7	-2.2	1.0	-7.0	-9.7	-3.6
	May	-0.7	-2.8	-0.6	1.8	-7.2	-9.4	-2.6
	Jun	-2.8	-3.1	-1.6	1.9	-6.7	-8.5	-2.8
	Jul	-4.1	-2.6	-1.6	1.3	-6.5	-3.5	-4.3
	Aug	-4.8	-3.9	-3.9	0.2	-6.8	-2.1	-4.7
	Sep	-4.8	-3.6	-3.5	-1.6	-7.3	-3.2	-4.9
	Oct	-5.0	-3.8	-1.1	-3.8	-7.0	-2.6	-4.5
	Nov	-5.0	-1.1	0.1	-4.6	-7.2	-3.2	-4.8
	Dec	-3.8	1.3	-0.8	-4.0	-7.7	-2.9	-3.3
2020	Jan	-2.7	1.9	-3.7	-2.1	-9.1	-3.6	-1.5
	Feb	-1.8	-0.6	-5.9	-1.2	-10.5	-2.7	-0.3
	Mar	-5.4	-4.4	-7.6	-3.7	-15.2	-8.5	-2.2
	Apr	-20.4	-14.4	-12.9	-14.4	-28.4	-24.6	-14.9
	May	-29.8	-22.4	-17.2	-21.0	-38.0	-43.9	-23.9
	Jun	-31.2	-25.0	-17.8	-23.0	-39.3	-50.2	-27.4
	Jul	-18.8 [†]	-19.4	-13.5 [†]	-13.8	-29.2 [†]	-42.2 [†]	-17.3 [†]
	Aug	-11.0	-15.0	-10.0	-6.1 [†]	-22.5	-32.3	-9.6
	Sep	-7.7	-13.4	-9.5	-0.9	-19.6	-27.0	-5.8

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

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

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2018 = 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	113.5	26.0	47.2	10.9	42.9	48.6
	K22B	K22P	K22T	K22X	K22Z	K239

Percentage change, latest 3 months on previous 3 months

2018	Jul	2.4	4.0	1.9	3.1	2.6	1.5
	Aug	1.9	3.2	0.8	4.4	1.7	2.0
	Sep	0.9	2.0	0.5	4.5	1.5	-0.6
	Oct	-	0.1	-1.4	5.5	0.5	2.4
	Nov	-0.3	-1.1	0.8	1.4	3.1	3.8
	Dec	-0.1	-2.6	0.6	-1.3	2.6	5.2
2019	Jan	0.4	-2.1	1.6	-0.8	3.3	5.5
	Feb	1.4	-1.1	0.2	2.6	2.1	5.0
	Mar	2.4	0.8	1.9	5.2	2.1	8.7
	Apr	1.8	1.7	2.3	2.7	-0.8	5.2
	May	0.3	1.4	1.2	-0.2	-3.6	1.3
	Jun	-2.7	-0.5	-1.9	-4.2	-6.0	-6.5
	Jul	-3.3	-1.2	-4.0	-5.0	-4.8	-2.9
	Aug	-2.5	-1.0	-2.5	-7.7	-3.9	-0.9
	Sep	0.3	0.7	-0.5	-6.9	-2.4	-0.7
	Oct	1.8	1.0	2.1	-4.1	-1.2	-7.7
	Nov	1.6	1.0	1.4	1.4	-1.0	-5.9
	Dec	0.1	-1.3	0.2	9.0	-0.1	-2.2
2020	Jan	-1.2	-4.4	-2.1	6.6	0.8	3.9
	Feb	-0.8	-5.2	-2.9	4.5	3.6	6.5
	Mar	-0.4	-8.6	-3.7	-4.3	5.4	14.0
	Apr	-4.2	-24.5	-13.0	-12.5	1.3	20.1
	May	-8.4	-37.0	-20.2	-23.0	-2.0	19.3
	Jun	-10.6	-34.1	-22.7	-28.1	-6.9	11.1
	Jul	-3.3	6.0 [†]	-4.3	-20.4 [†]	-2.9 [†]	3.8 [†]
	Aug	4.0 [†]	47.0	12.5 [†]	-8.3	0.7	-
	Sep	8.7	55.7	22.3	5.4	6.8	-3.8

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

IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2018 = 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	51.4	75.4	51.2	18.1	60.7	110.5	68.7
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

Percentage change, latest 3 months on previous 3 months

2018	Jul	2.8	-2.8	-1.6	-1.0	-3.1	-2.0	-0.4
	Aug	2.8	0.1	-1.2	-	-2.6	-3.3	-0.9
	Sep	1.0	0.8	-1.8	1.0	-1.7	-2.2	-0.7
	Oct	-0.2	0.6	-1.9	2.1	-1.4	-2.1	-0.7
	Nov	-0.9	-3.2	-2.6	1.7	-1.7	-1.9	0.4
	Dec	-1.4	-5.1	-1.8	0.6	-1.5	-3.4	-1.4
2019	Jan	-1.7	-4.9	-0.9	-1.5	-1.1	-2.7	-2.9
	Feb	-1.8	0.6	1.1	-1.8	-1.0	-1.7	-4.6
	Mar	-0.4	4.1	2.3	-0.5	-1.2	-0.4	-2.9
	Apr	-0.2	3.5	2.2	1.4	-1.6	-3.3	0.3
	May	-0.7	-0.3	2.1	1.9	-2.1	-2.8	2.6
	Jun	-2.1	-2.7	-0.2	0.8	-2.5	-2.7	2.2
	Jul	-1.9	-1.7	-1.1	-0.7	-2.6	4.7	-1.1
	Aug	-1.5	-1.0	-4.4	-1.5	-2.2	4.4	-2.9
	Sep	-1.0	0.3	-3.7	-2.5	-2.3	3.5	-2.8
	Oct	-1.1	-0.6	-1.3	-3.1	-1.9	-1.2	-0.8
	Nov	-1.1	-0.4	1.4	-3.2	-2.1	-3.0	0.3
	Dec	-0.3	-0.3	0.9	-1.8	-2.0	-3.2	0.3
2020	Jan	0.6	0.7	-3.5	0.3	-3.3	-3.6	0.1
	Feb	1.5	1.1	-4.9	1.8	-4.5	-1.2	-0.1
	Mar	-2.1	-1.7	-4.8	-0.2	-9.2	-6.2	-1.7
	Apr	-18.4	-13.0	-7.6	-11.3	-22.6	-24.4	-13.3
	May	-29.1	-22.1	-10.1	-18.6	-32.2	-44.0	-21.8
	Jun	-28.8	-23.7	-11.1	-19.4	-30.2	-47.1	-24.2
	Jul	0.1 [†]	-7.4	-1.7 [†]	-	-3.6 [†]	-19.7 [†]	-4.0 [†]
	Aug	25.1	8.5	3.8	17.0 [†]	22.2	26.1	15.3
	Sep	32.8	15.8	6.1	25.5	29.4	51.8	26.2

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Next publication: 10 December 2020
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