

Statistical bulletin

Index of Production, UK: March 2023

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



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Table of contents

1. [Main points](#)
2. [Index of Production \(IoP\) data](#)
3. [Measuring the data](#)
4. [Related links](#)
5. [Cite this statistical bulletin](#)

1 . Main points

- Monthly production output is estimated to have risen by 0.7% in March 2023, the strongest monthly growth to the Index of Production (IoP) since May 2021 (1.4%); this follows falls of 0.1% and 0.3% in February 2023 and January 2023, respectively; both of these months see small upward revisions of 0.1 and 0.2 percentage points, respectively.
- Looking at the longer-term profile, quarterly production output for Quarter 1 (Jan to Mar) 2023 rose by 0.1% compared with Quarter 4 (Oct to Dec) 2022, and is the first positive quarterly growth in IoP since Quarter 2 (Apr to June) 2021; growth came primarily from manufacturing (0.5%), partially offset by a fall in mining and quarrying (5.0%).
- The monthly increase in output in March 2023 resulted from rises in three of the four production sectors, with manufacturing the main contributor to the monthly rise (0.7%) with smaller contributions from water supply and sewerage (1.7%) and, electricity and gas (1.1%); this was partially offset by mining and quarrying, which fell by 1.4%.
- Monthly manufacturing output increased by 0.7% and saw 7 of its 13 sub-sectors positively contributing to growth during March 2023; most notably, following falls in previous months, the manufacture of basic pharmaceutical products (4.0%), and the manufacture of computer, electronic and optical products (3.3%), contributed 0.24 and 0.17 percentage points respectively to the IoP March 2023 monthly growth.
- Monthly production output was 0.4% above February 2020, the last month of “normal” trading conditions before the coronavirus (COVID-19) pandemic; of the main production sectors, water supply and sewerage, electricity and gas, and manufacturing were above their February 2020 levels, by 10.8%, 1.2% and 1.1%, respectively; in contrast, mining and quarrying was 20.0% below its February 2020 level.
- Further analysis of the effect on our monthly IoP estimate is available in our [Gross domestic product \(GDP\) monthly estimate, UK: March 2023 bulletin](#), published 12 May 2023.

2 . Index of Production (IoP) data

[Index of Production time series](#)

Dataset DIOP | Released 12 May 2023

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 May 2023

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 May 2023

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

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

Dataset | Released 12 May 2023

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

[Export proportions for manufacturing industries](#)

Dataset | Released 12 May 2023

Monthly, quarterly and annual export data for the manufacturing industries, collected by the Monthly Business Survey at industry level in the UK.

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

3 . Measuring the data

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

Most 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 Energy Security and Net Zero (DESNZ), and the International Steel Statistics Bureau (ISSB) for steel industries.

The Office for National Statistics' (ONS) Monthly Business Survey (MBS) is fully online. 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 DESNZ, and therefore will be less affected than the survey data.

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 our [VAT turnover data in National Accounts: background and methodology article](#).

A comprehensive list of the IoP source data can be found in our [Gross domestic product \(GDP\) data sources catalogue \(XLS, 1.9MB\)](#).

More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in our [UK Index of Production Quality and Methodology Information \(QMI\)](#).

Revisions to IoP

In line with the [National Accounts Revisions Policy](#), this release (published on 12 May 2023), is open to revision for periods January and February 2023.

Economic statistics governance after Brexit

Following the UK's exit from the EU, new governance arrangements are being put in place. These will support the adoption and implementation of high-quality standards for UK economic statistics. These governance arrangements will promote international comparability and add to the credibility and independence of the UK's statistical system.

At the centre of this new governance framework, there will be the new National Statistician's Committee for Advice on Standards for Economic Statistics (NSCASE). NSCASE will support the UK by ensuring its processes for influencing and adopting international statistical standards are world leading. The advice that NSCASE provides to the National Statistician will span the full range of domains in economic statistics, including:

- the national accounts
- fiscal statistics
- prices
- trade and the balance of payments
- labour market statistics

You can access further information on the [NSCASE on the UK Statistics Authority's website](#).

4 . Related links

[GDP monthly estimate, UK: March 2023](#)

Bulletin | Released 12 May 2023

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.

[Index of Services, UK: March 2023](#)

Bulletin | Released 12 May 2023

Movements in the volume of output for the UK services industries. Figures are seasonally adjusted.

[Producer price inflation, UK: March 2023](#)

Bulletin | Released 19 April 2023

Changes in the prices of goods bought and sold by UK manufacturers including price indices of materials and fuels purchased (input prices) and factory gate prices (output prices).

[UK manufacturers' sales by product: 2021 results](#)

Bulletin | Released 23 August 2022

Estimates for UK manufacturers' sales by product (ProdCom) for 2021, including 2020 final sales data.

[Energy Trends and Prices: monthly data](#)

Web page | Last updated 27 April 2023

Provides statistics on energy prices and monthly production, trade and consumption of coal, electricity, gas, oil and total energy in the UK.

5 . Cite this statistical bulletin

Office for National Statistics (ONS), released 12 May 2023, ONS website, statistical bulletin, [Index of Production, UK: March 2023](#)

- [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 2019 = 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	78.4	724.6	109.7	87.4	65.8	66.6	193.8	269.3	243.0	220.1
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2018	97.7	97.9	98.9	87.7	100.3	98.8	100.8	96.3	104.3	95.9	92.8
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	101.3	96.8	100.1	109.1	104.8	96.5	96.0	103.8	95.9	103.1	102.1
2021	108.6	85.5	109.8	114.6	112.9	81.4	104.7	109.0	107.8	113.5	99.8
2022	105.6	87.2	105.7	110.5	115.2	83.0	104.5	109.5	101.1	107.4	98.2
2022 Q1	107.3	90.3	107.4	111.6	116.0	85.5	105.7	108.5	102.8	110.9	100.6
Q2	106.3	87.5	106.3	112.0	116.3	83.4	103.0	109.6	100.7	109.2	99.8
Q3	104.4	86.6	104.3	110.4	113.8	82.0	105.8	108.3	99.7	106.0	97.3
Q4	104.5	84.5	104.8	108.0	114.6	81.1	103.5	111.6	101.2	103.4	95.2
2023 Q1	104.5	80.2	105.4	108.0	114.8	76.4	105.5	110.6	102.2	104.1	93.8
2022 Jan	107.5	90.2	107.7	112.0	116.0	85.0	106.3	107.4	103.7	112.3	100.7
Feb	107.2	90.1	107.2	112.3	115.8	85.9	105.1	109.6	102.5	109.5	100.6
Mar	107.1	90.5	107.3	110.5	116.3	85.6	105.6	108.5	102.0	110.9	100.4
Apr	106.6	87.9	106.5	111.9	117.8	83.4	102.0	109.2	100.4	110.0	100.4
May	106.7	88.5	106.9	112.5	114.6	84.0	102.9	110.1	100.9	110.5	100.1
Jun	105.6	86.2	105.5	111.5	116.4	82.7	104.1	109.4	100.7	107.0	98.9
Jul	105.2	91.3	104.9	110.9	113.4	87.7	104.6	108.8	99.8	106.8	99.0
Aug	103.9	83.8	104.0	110.2	113.7	78.4	108.0	106.8	99.7	106.1	96.5
Sep	104.0	84.6	104.0	110.0	114.2	79.9	104.6	109.1	99.6	105.2	96.4
Oct	104.4	84.4	105.2	106.7	112.8	80.3	103.4	113.2	100.3	104.3	94.7
Nov	104.4	86.7	104.6	106.7	115.1	83.9	104.4	110.4	101.2	103.3	95.1
Dec	104.6	82.3	104.7	110.7	115.9	79.2	102.7	111.3	102.1	102.6	95.9
2023 Jan	104.3 ^T	79.3 ^T	105.1 ^T	108.6	115.3 ^T	75.4 ^T	102.5 ^T	110.7 ^T	101.3 ^T	104.4 ^T	94.1 ^T
Feb	104.2	81.2	105.2	107.2 ^T	113.6	77.1	106.1	109.8	102.1	104.0	93.5
Mar	105.0	80.1	105.9	108.3	115.5	76.8	107.8	111.4	103.3	103.8	93.9
Percentage change, latest year on previous year											
2018	3.3	6.3	4.3	-3.2	1.1	6.7	2.3	8.6	2.7	3.7	0.1
2019	2.3	2.2	1.2	14.0	-0.3	1.2	-0.7	3.9	-4.1	4.2	7.8
2020	1.2	-3.2	0.1	9.1	4.8	-3.5	-4.0	3.8	-4.1	3.1	2.1
2021	7.3	-11.7	9.7	5.1	7.8	-15.7	9.1	5.0	12.5	10.1	-2.2
2022	-2.8	2.1	-3.7	-3.6	2.0	2.0	-0.2	0.5	-6.3	-5.4	-1.6
Percentage change, latest month on same month a year ago											
2021 Jan	4.6	-3.7	4.3	9.8	6.7	-4.0	-1.0	2.7	3.3	8.1	1.5
Feb	4.1	-12.8	4.4	10.9	7.2	-14.8	2.0	-1.3	6.7	9.2	-1.5
Mar	10.5	-4.2	13.0	7.7	6.7	-4.9	8.6	-0.7	24.8	14.9	0.9
Apr	34.0	-23.4	48.4	19.9	13.8	-32.1	48.7	11.0	80.9	55.8	-0.9
May	26.4	-22.5	35.2	25.3	13.2	-29.4	21.6	12.9	52.4	38.1	3.8
Jun	11.5	-33.0	17.3	10.9	8.8	-40.6	21.2	4.2	23.9	18.5	-5.7
Jul	5.8	-19.7	9.0	2.0	8.3	-24.7	10.0	1.4	13.5	8.7	-5.5
Aug	4.3	2.7	5.6	-3.3	5.3	1.1	4.8	2.6	7.9	4.9	-1.2
Sep	1.7	1.2	2.4	-5.5	5.7	-0.4	4.5	3.1	2.7	0.6	-2.6
Oct	-0.4	-5.3	0.2	-7.3	7.3	-8.0	0.6	6.0	-2.5	-1.9	-6.1
Nov	-1.7	-4.6	-2.5	-1.5	6.7	-8.0	-1.0	6.5	-6.8	-4.9	-2.5
Dec	-2.4	-11.6	-2.2	-3.4	4.5	-16.4	6.9	12.6	-9.0	-6.2	-6.3
2022 Jan	-0.9	-4.0	-0.8	-4.6	5.1	-7.6	3.8	3.4	-4.7	-1.3	-2.8
Feb	-1.5	3.3	-2.0	-5.3	3.6	1.6	-0.1	5.2	-7.5	-3.9	-1.3
Mar	-2.4	2.0	-3.1	-5.1	3.6	-1.0	2.8	1.8	-9.0	-3.3	-1.4
Apr	-2.0	19.4	-3.9	-6.7	6.0	22.8	1.0	2.9	-9.6	-5.6	2.8
May	-3.3	15.2	-4.0	-12.0	3.1	17.9	1.0	-1.9	-5.9	-5.3	-3.5
Jun	-2.8	25.4	-4.7	-7.4	2.4	35.5	-2.5	2.1	-7.2	-7.6	1.8
Jul	-3.3	11.4	-4.9	-3.3	-0.9	14.6	-2.9	-0.8	-6.9	-6.1	0.3
Aug	-5.0	-13.7	-5.6	-0.1	0.4	-17.1	1.4	-2.7	-8.0	-5.9	-5.2
Sep	-4.0	-9.6	-5.1	1.5	2.6	-12.0	-2.1	0.4	-8.0	-6.1	-3.8
Oct	-2.6	-6.3	-3.3	3.8	-1.9	-7.4	-0.9	1.5	-4.0	-6.8	-0.9
Nov	-2.9	-1.2	-3.6	-2.1	0.1	0.9	-1.6	-0.7	-3.0	-7.3	-3.0
Dec	-2.7	-3.9	-3.5	0.9	0.2	-2.5	-2.3	-4.4	-0.6	-5.8	-1.8
2023 Jan	-3.0 ^T	-12.0 ^T	-2.5 ^T	-3.1 ^T	-0.6 ^T	-11.2 ^T	-3.6 ^T	3.1 ^T	-2.4 ^T	-7.0 ^T	-6.5 ^T
Feb	-2.7	-9.8	-1.9	-4.6	-1.9	-10.3	0.9	0.2	-0.4	-5.0	-7.0
Mar	-2.0	-11.6	-1.3	-2.0	-0.7	-10.3	2.1	2.6	1.3	-6.4	-6.5

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 2019 = 100

		Broad industry groups					Main industrial groupings					
		Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
Section		B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight		1 000.0	78.4	724.6	109.7	87.4	65.8	66.6	193.8	269.3	243.0	220.1
		K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
Percentage change, latest month on previous month												
2021	Jan	-1.5	-3.0	-2.2	3.3	-0.4	-5.4	4.1	0.4	-3.6	-2.0	-0.6
	Feb	0.3	-7.2	0.8	1.1	1.2	-8.1	2.7	0.3	1.9	0.1	-1.7
	Mar	0.8	1.7	1.2	-1.8	0.4	2.3	-2.4	2.2	1.1	0.7	-
	Apr	-0.8	-17.0	0.1	2.9	-1.0	-21.5	-1.7	-0.4	-0.8	1.5	-4.1
	May	1.4	4.3	0.6	6.6	-	5.0	1.0	5.7	-3.6	0.1	6.2
	Jun	-1.6	-10.5	-0.7	-5.8	2.4	-14.3	4.8	-4.4	1.2	-0.7	-6.2
	Jul	0.2	19.1	-0.4	-4.7	0.6	25.4	0.9	2.3	-1.2	-1.8	1.5
	Aug	0.5	18.6	-0.1	-3.9	-1.0	23.6	-1.1	0.1	1.1	-0.9	3.2
	Sep	-1.0	-3.5	-0.5	-1.8	-1.7	-4.0	0.2	-1.1	-	-0.6	-1.5
	Oct	-1.0	-3.9	-0.7	-5.0	3.3	-4.5	-2.3	2.5	-3.6	-0.1	-4.7
	Nov	0.2	-2.6	-0.3	5.8	-	-4.1	1.7	-0.3	-0.1	-0.4	2.5
	Dec	-	-2.4	-	0.7	0.7	-2.3	-0.9	4.8	-1.6	-2.2	-0.3
2022	Jan	-	5.3	-0.8	2.1	0.2	4.6	1.2	-7.7	0.9	3.1	3.1
	Feb	-0.3	-0.1	-0.5	0.3	-0.2	1.1	-1.2	2.0	-1.1	-2.5	-0.1
	Mar	-0.1	0.5	0.1	-1.6	0.4	-0.3	0.5	-1.0	-0.5	1.3	-0.1
	Apr	-0.4	-2.9	-0.7	1.3	1.3	-2.6	-3.4	0.6	-1.6	-0.8	-
	May	0.1	0.7	0.4	0.5	-2.7	0.7	1.0	0.8	0.5	0.4	-0.4
	Jun	-1.1	-2.6	-1.3	-0.8	1.6	-1.5	1.2	-0.6	-0.2	-3.2	-1.1
	Jul	-0.4	5.8	-0.6	-0.6	-2.6	6.1	0.5	-0.6	-0.9	-0.2	0.1
	Aug	-1.2	-8.2	-0.8	-0.7	0.3	-10.7	3.3	-1.8	-0.1	-0.7	-2.5
	Sep	0.1	1.1	-	-0.2	0.5	1.9	-3.1	2.1	-0.1	-0.8	-0.1
	Oct	0.3	-0.3	1.1	-2.9	-1.2	0.5	-1.2	3.7	0.7	-0.9	-1.8
	Nov	-	2.7	-0.5	-0.1	2.0	4.4	0.9	-2.5	0.9	-0.9	0.4
	Dec	0.2	-5.1	0.1	3.8	0.7	-5.6	-1.6	0.9	0.9	-0.7	0.9
2023	Jan	-0.3 [†]	-3.5 [†]	0.3 [†]	-1.9	-0.6 [†]	-4.7 [†]	-0.2 [†]	-0.5 [†]	-0.8 [†]	1.8 [†]	-1.9 [†]
	Feb	-0.1	2.4	0.1	-1.3 [†]	-1.4	2.2	3.6	-0.8	0.8	-0.4	-0.7
	Mar	0.7	-1.4	0.7	1.1	1.7	-0.3	1.6	1.4	1.2	-0.2	0.4
Percentage change, latest 3 months on same 3 months a year ago²												
2021	Jan	6.9	-1.3	8.1	3.5	8.5	-0.9	-0.6	4.1	8.5	12.6	-0.4
	Feb	5.7	-4.4	6.1	7.8	7.9	-4.6	-1.3	1.9	7.1	10.3	0.4
	Mar	6.3	-7.0	7.1	9.4	6.9	-8.0	3.0	0.2	11.0	10.7	0.3
	Apr	14.8	-13.6	19.3	12.6	9.1	-17.7	16.3	2.7	31.0	23.7	-0.5
	May	22.8	-16.9	30.6	17.4	11.1	-22.7	24.1	7.4	49.1	34.3	1.3
	Jun	23.3	-26.4	32.4	18.5	11.9	-34.1	29.1	9.3	49.0	35.8	-1.0
	Jul	14.0	-25.1	19.6	12.3	10.1	-31.6	17.3	6.0	28.0	20.7	-2.6
	Aug	7.1	-17.2	10.4	3.1	7.5	-22.1	11.6	2.7	14.7	10.5	-4.2
	Sep	3.9	-5.7	5.6	-2.3	6.4	-8.5	6.4	2.3	7.8	4.6	-3.1
	Oct	1.9	-0.5	2.7	-5.3	6.1	-2.5	3.3	3.9	2.6	1.2	-3.3
	Nov	-0.1	-2.9	-	-4.7	6.6	-5.5	1.3	5.2	-2.3	-2.1	-3.7
	Dec	-1.5	-7.2	-1.5	-4.1	6.2	-10.9	2.0	8.3	-6.2	-4.3	-5.0
2022	Jan	-1.7	-6.8	-1.8	-3.2	5.4	-10.8	3.1	7.5	-6.8	-4.1	-3.9
	Feb	-1.6	-4.4	-1.7	-4.5	4.4	-7.9	3.5	7.0	-7.1	-3.8	-3.5
	Mar	-1.6	0.3	-2.0	-5.0	4.1	-2.5	2.2	3.5	-7.1	-2.8	-1.8
	Apr	-2.0	7.6	-3.0	-5.7	4.4	6.7	1.2	3.3	-8.7	-4.3	-
	May	-2.6	11.6	-3.7	-8.0	4.3	12.1	1.6	0.9	-8.2	-4.7	-0.7
	Jun	-2.7	19.8	-4.2	-8.7	3.8	24.9	-0.2	1.0	-7.6	-6.2	0.3
	Jul	-3.1	16.9	-4.5	-7.7	1.5	21.8	-1.5	-0.2	-6.6	-6.3	-0.5
	Aug	-3.7	5.4	-5.0	-3.7	0.6	7.2	-1.4	-0.5	-7.4	-6.5	-1.1
	Sep	-4.1	-4.8	-5.2	-0.7	0.7	-6.1	-1.2	-1.1	-7.7	-6.0	-2.9
	Oct	-3.9	-10.0	-4.7	1.7	0.3	-12.3	-0.5	-0.3	-6.7	-6.2	-3.4
	Nov	-3.2	-5.8	-4.0	1.0	0.3	-6.3	-1.5	0.4	-5.1	-6.7	-2.6
	Dec	-2.7	-3.8	-3.5	0.8	-0.5	-3.1	-1.6	-1.2	-2.6	-6.6	-1.9
2023	Jan	-2.8 [†]	-5.8 [†]	-3.2 [†]	-1.4	-0.1 [†]	-4.4	-2.5 [†]	-0.8	-2.0	-6.7 [†]	-3.8 [†]
	Feb	-2.8	-8.7	-2.6	-2.3 [†]	-0.8	-8.1 [†]	-1.7	-0.5 [†]	-1.1 [†]	-6.0	-5.2
	Mar	-2.6	-11.1	-1.9	-3.2	-1.1	-10.6	-0.2	2.0	-0.5	-6.2	-6.7

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

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

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

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2019 = 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	78.4	724.6	109.7	87.4	65.8	66.6	193.8	269.3	243.0	220.1	
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T	
Percentage change, latest 3 months on previous 3 months²												
2021	Jan	2.8	0.2	3.4	0.6	2.8	0.2	0.1	-1.9	6.6	4.3	0.2
	Feb	1.2	-0.6	0.6	4.1	3.9	-0.7	-2.3	-1.1	2.4	0.5	1.5
	Mar	-	-4.9	-0.7	5.2	2.7	-6.6	0.3	0.5	-0.1	-1.4	0.3
	Apr	-0.2	-11.7	-	4.0	1.9	-14.5	0.3	1.6	0.1	-0.6	-2.3
	May	0.5	-14.0	1.2	4.2	0.5	-17.5	-0.2	4.2	-0.6	1.1	-2.1
	Jun	0.3	-18.8	1.3	4.4	0.5	-23.9	-0.2	3.5	-1.5	1.9	-2.9
	Jul	0.2	-8.9	0.4	2.2	1.2	-12.6	2.5	3.9	-3.4	0.3	-0.6
	Aug	-0.6	3.6	-0.6	-5.2	2.1	2.9	5.1	0.6	-1.9	-1.6	-1.8
	Sep	-0.4	24.4	-0.9	-9.5	0.9	30.8	3.7	0.9	-0.9	-3.0	0.8
	Oct	-0.9	23.4	-1.2	-11.4	0.1	30.3	0.4	0.3	-0.5	-2.8	-0.6
	Nov	-1.2	9.6	-1.3	-7.3	-	12.2	-1.2	1.4	-2.1	-2.1	-1.3
	Dec	-1.4	-3.4	-1.3	-3.5	2.0	-4.2	-1.8	3.3	-3.8	-1.8	-3.2
2022	Jan	-0.8	-6.2	-1.2	2.8	2.1	-8.4	-0.1	1.5	-3.2	-1.1	-0.5
	Feb	-0.3	-2.1	-1.1	4.4	1.8	-3.3	-0.2	0.7	-2.6	-1.3	1.7
	Mar	-0.1	2.8	-1.1	4.1	0.7	2.2	0.5	-4.0	-1.1	0.2	3.6
	Apr	-0.5	1.9	-1.1	1.3	0.9	2.2	-1.5	-2.3	-1.9	-0.7	1.7
	May	-0.5	0.4	-0.8	0.3	0.3	0.4	-1.9	-1.7	-1.8	0.2	0.7
	Jun	-0.9	-3.0	-1.0	0.3	0.2	-2.5	-2.5	1.0	-2.0	-1.6	-0.8
	Jul	-1.0	-0.9	-1.1	-	-1.6	-0.2	-0.3	0.3	-1.2	-1.9	-1.1
	Aug	-1.8	-2.1	-2.0	-0.7	-1.5	-1.6	2.0	-0.8	-1.1	-3.5	-2.1
	Sep	-1.8	-1.1	-1.9	-1.5	-2.1	-1.6	2.7	-1.2	-1.0	-2.9	-2.5
	Oct	-1.6	-5.0	-1.3	-2.4	-1.1	-6.2	1.4	0.2	-0.6	-2.7	-3.5
	Nov	-0.6	-2.1	-0.2	-2.8	-0.4	-1.9	-1.4	2.3	0.4	-2.2	-2.8
	Dec	-	-2.4	0.5	-2.1	0.7	-1.1	-2.1	3.1	1.5	-2.5	-2.2
2023	Jan	0.3 [†]	-1.8 [†]	0.4 [†]	-0.3	1.6 [†]	-0.1	-2.1 [†]	1.0	1.6 [†]	-1.6 [†]	-0.9 [†]
	Feb	0.1	-5.0	0.4	1.0 [†]	0.8	-5.1 [†]	-0.4	-0.2 [†]	1.4	-0.5	-0.9
	Mar	0.1	-5.0	0.5	-	0.1	-5.8	1.9	-0.9	1.0	0.7	-1.5

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

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

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

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2019 = 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	110.8	25.5	48.0	14.2	44.3	49.0
	K22B	K22P	K22T	K22X	K22Z	K239
2018	98.5	92.9	95.0	73.6	87.7	92.8
2019	100.0	100.0	100.0	100.0	100.0	100.0
2020	103.4	72.3	92.4	81.2	105.3	118.4
2021	108.7	78.8	101.0	79.6	109.3	122.9
2022	110.9	79.0	98.2	86.8	104.1	118.2
2022 Q1	111.5	77.8	101.4	91.8	111.1	114.0
Q2	111.7	78.8	98.7	93.7	106.0	115.6
Q3	110.3	79.6	97.6	80.4	102.0	113.5
Q4	110.0	79.9	95.0	81.1	97.4	129.6
2023 Q1	110.3	78.5	92.5	82.6	97.7	123.5
2022 Jan	111.5	78.4	100.8	88.5	114.5	110.4
Feb	111.2	76.1	101.5	91.3	109.4	118.5
Mar	111.8	78.9	101.9	95.5	109.3	113.2
Apr	111.6	80.6	99.7	95.5	107.8	113.2
May	112.5	78.7	99.5	96.5	108.3	116.1
Jun	111.0	77.0	96.8	89.2	101.9	117.5
Jul	110.8	78.7	99.6	80.2	101.6	114.1
Aug	110.5	79.7	97.2	81.2	103.8	106.7
Sep	109.7	80.3	96.1	79.8	100.7	119.8
Oct	109.9	79.2	96.3	81.2	99.2	134.6
Nov	110.6	80.1	94.7	81.6	97.1	124.8
Dec	109.4	80.4	93.9	80.5	95.9	129.3
2023 Jan	110.3 [†]	80.1 [†]	93.4 [†]	81.2 [†]	99.0 [†]	122.5 [†]
Feb	110.4	78.5	92.5	82.3	96.2	121.6
Mar	110.2	76.8	91.7	84.4	97.8	126.5

Percentage change, latest year on previous year

2018	13.4	4.3	3.9	-15.4	8.9	1.2
2019	1.5	7.6	5.3	35.8	14.1	7.8
2020	3.3	-27.7	-7.6	-18.8	5.3	18.4
2021	5.2	8.9	9.4	-2.0	3.7	3.8
2022	2.0	0.3	-2.8	9.0	-4.7	-3.8

Percentage change, latest month on same month a year ago

2021 Jan	2.1	-13.6	-1.4	-35.2	3.3	16.4
Feb	0.5	-20.0	0.1	-36.1	4.7	5.9
Mar	0.2	6.1	6.3	-29.8	-0.2	-0.8
Apr	18.1	134.0	52.2	-1.9	12.3	-15.3
May	14.7	58.1	40.8	17.2	8.0	3.8
Jun	9.7	14.9	19.3	28.9	12.0	-9.4
Jul	3.6	1.1	7.2	21.7	6.5	-3.0
Aug	3.5	1.3	4.8	22.8	3.1	0.7
Sep	2.3	7.7	4.7	-	2.2	1.4
Oct	2.3	7.5	2.7	3.9	-0.3	12.3
Nov	2.9	3.6	-0.8	9.0	-2.9	12.3
Dec	4.9	0.9	-0.4	12.7	-1.5	27.9
2022 Jan	8.1	5.1	0.8	32.1	6.4	-6.7
Feb	6.9	5.3	1.4	39.2	1.9	-0.2
Mar	6.7	1.3	0.9	44.0	3.3	-7.6
Apr	1.8	1.3	-3.5	32.2	-3.0	4.7
May	2.1	-3.2	-3.5	16.8	-0.2	-11.7
Jun	1.2	-6.5	-3.8	-0.8	-8.4	2.4
Jul	-	-0.4	-2.0	-8.3	-7.1	-6.5
Aug	0.2	0.2	-2.2	-7.5	-4.6	-13.2
Sep	-0.2	0.4	-5.4	-4.6	-6.7	1.2
Oct	-0.8	-0.4	-4.8	-1.3	-10.2	5.3
Nov	-0.4	1.1	-5.7	-3.3	-12.6	-0.3
Dec	-0.8	0.6	-6.2	-6.5	-14.2	-10.2
2023 Jan	-1.1 [†]	2.2 [†]	-7.4 [†]	-8.2 [†]	-13.5 [†]	11.0 [†]
Feb	-0.7	3.2	-8.9	-9.9	-12.0	2.6
Mar	-1.5	-2.6	-10.0	-11.6	-10.5	11.7

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

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2019 = 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	52.8	81.3	50.5	18.0	54.6	108.3	67.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2018	97.5	102.8	101.3	91.7	109.7	103.6	102.5
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	97.1	107.5	97.1	125.8	99.1	91.9	98.8
2021	111.7	117.9	101.6	140.6	126.9	99.0	114.2
2022	108.6	110.1	100.3	124.9	113.9	91.1	114.6
2022 Q1	109.0	113.3	100.3	129.6	118.1	92.7	115.8
Q2	114.0	111.5	97.6	124.4	114.4	91.9	113.5
Q3	107.2	108.8	101.7	123.7	111.6	88.3	114.6
Q4	104.0	106.8	101.4	122.0	111.3	91.6	114.6
2023 Q1	106.6	111.0	104.7	121.0	111.1	92.1	116.2
2022 Jan	109.8	113.9	102.6	130.9	122.5	92.2	113.9
Feb	107.4	112.7	98.8	127.0	117.2	92.6	117.3
Mar	109.9	113.2	99.5	130.9	114.6	93.3	116.1
Apr	113.8	113.1	96.5	125.4	112.6	93.6	112.3
May	116.6	111.4	97.3	123.5	115.9	91.4	113.8
Jun	111.7	109.9	99.1	124.4	114.8	90.7	114.3
Jul	109.4	110.1	100.3	122.5	113.0	89.1	114.4
Aug	107.7	108.1	103.6	124.9	111.4	87.6	115.6
Sep	104.6	108.3	101.3	123.7	110.5	88.3	113.7
Oct	104.7	107.0	100.3	123.2	110.1	90.6	114.7
Nov	103.1	107.2	101.6	122.0	110.9	92.0	114.9
Dec	104.3	106.3	102.3	120.8	113.0	92.2	114.1
2023 Jan	106.4 [†]	110.1 [†]	101.4 [†]	125.4 [†]	111.1 [†]	91.1 [†]	115.7 [†]
Feb	107.4	110.6	104.6	117.9	111.3	92.2	116.8
Mar	106.0	112.4	108.0	119.6	110.8	93.1	116.2

Percentage change, latest year on previous year

2018	4.8	1.1	1.7	1.7	10.5	-2.1	4.6
2019	2.5	-2.7	-1.2	9.1	-8.9	-3.5	-2.4
2020	-2.9	7.5	-2.9	25.7	-0.9	-8.1	-1.2
2021	15.0	9.6	4.5	11.8	28.1	7.8	15.7
2022	-2.8	-6.6	-1.2	-11.2	-10.3	-8.0	0.3

Percentage change, latest month on same month a year ago

2021 Jan	5.6	10.4	-2.0	24.3	23.3	-4.4	5.3
Feb	6.1	10.4	4.0	22.0	23.1	-0.1	6.1
Mar	23.5	17.9	6.7	27.3	52.4	26.2	13.6
Apr	111.7	53.2	27.6	58.7	148.3	138.7	50.1
May	53.2	39.7	7.9	53.1	83.8	93.3	40.5
Jun	21.0	18.2	10.2	24.4	31.4	31.1	30.9
Jul	10.2	10.3	4.3	9.3	26.0	10.5	18.0
Aug	5.4	6.7	-	-3.1	26.8	0.5	11.3
Sep	4.6	-1.3	0.9	-7.4	23.5	-10.4	11.4
Oct	2.3	-4.7	-1.9	-9.9	5.3	-12.6	9.5
Nov	0.9	-7.6	-3.4	-15.0	-0.3	-18.6	6.7
Dec	-3.0	-11.7	7.0	-1.4	-11.8	-19.7	3.3
2022 Jan	-0.1	-5.9	1.9	-7.9	-1.3	-11.7	2.7
Feb	-3.1	-5.5	-6.3	-13.3	-7.2	-12.8	4.4
Mar	-5.5	-6.5	-2.0	-9.3	-13.9	-12.0	3.8
Apr	-2.3	-6.6	-2.9	-15.5	-15.3	-10.4	0.3
May	3.8	-10.0	-3.2	-19.9	-12.9	-2.0	0.1
Jun	-0.2	-9.3	-2.9	-12.3	-13.6	-6.8	-2.2
Jul	-1.4	-6.7	-2.0	-13.2	-11.4	-8.0	-1.8
Aug	-2.2	-8.0	2.2	-8.8	-13.9	-11.2	-0.9
Sep	-6.3	-6.0	-0.1	-8.5	-16.7	-9.1	-2.0
Oct	-5.4	-6.1	0.6	-7.6	-5.7	-6.1	-0.9
Nov	-7.6	-4.5	-0.1	-7.3	-6.8	-2.8	-0.5
Dec	-3.2	-3.3	0.1	-8.4	-1.9	-0.8	1.1
2023 Jan	-3.1 [†]	-3.4 [†]	-1.2 [†]	-4.2 [†]	-9.3 [†]	-1.2 [†]	1.6 [†]
Feb	-	-1.8	5.8	-7.2	-5.0	-0.4	-0.4
Mar	-3.6	-0.7	8.6	-8.6	-3.3	-0.2	0.2

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 2019 = 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	110.8	25.5	48.0	18.5	44.3	49.0
	K22B	K22P	K22T	K22X	K22Z	K239

Percentage change, latest month on previous month

2021	Jan	-1.9	-5.9	-0.5	-12.3	-5.1	5.0
	Feb	0.9	-3.0	0.1	-2.1	-0.3	0.4
	Mar	0.7	7.6	0.8	1.1	-1.4	3.2
	Apr	4.6	2.2	2.4	8.9	5.1	-11.7
	May	0.4	2.2	-0.3	14.4	-2.4	21.6
	Jun	-0.4	1.3	-2.3	8.8	2.6	-12.7
	Jul	1.1	-4.0	0.9	-2.7	-1.7	6.3
	Aug	-0.5	0.7	-2.2	0.4	-0.5	0.8
	Sep	-0.4	0.4	2.2	-4.7	-0.8	-3.7
	Oct	0.8	-0.4	-0.5	-1.7	2.4	8.0
	Nov	0.2	-0.4	-0.7	2.5	0.5	-2.0
	Dec	-0.6	0.9	-0.3	2.1	0.6	14.9
2022	Jan	1.1	-1.9	0.7	2.8	2.4	-23.3
	Feb	-0.3	-2.9	0.6	3.1	-4.5	7.3
	Mar	0.5	3.6	0.4	4.6	-0.1	-4.4
	Apr	-0.1	2.2	-2.1	-	-1.3	-
	May	0.7	-2.4	-0.3	1.1	0.4	2.6
	Jun	-1.3	-2.2	-2.7	-7.6	-5.9	1.2
	Jul	-0.1	2.2	2.8	-10.1	-0.3	-2.9
	Aug	-0.3	1.3	-2.4	1.3	2.1	-6.5
	Sep	-0.7	0.6	-1.1	-1.7	-3.0	12.4
	Oct	0.2	-1.3	0.2	1.7	-1.4	12.3
	Nov	0.6	1.1	-1.6	0.4	-2.1	-7.2
	Dec	-1.1	0.4	-0.9	-1.3	-1.2	3.6
2023	Jan	0.8 [†]	-0.4 [†]	-0.5 [†]	0.9 [†]	3.2 [†]	-5.3 [†]
	Feb	0.1	-1.9	-1.0	1.3	-2.8	-0.8
	Mar	-0.2	-2.2	-0.9	2.5	1.6	4.0

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

2021	Jan	5.0	-15.7	-	-31.2	11.3	15.8
	Feb	2.5	-15.5	-0.1	-33.8	6.8	13.2
	Mar	0.9	-10.1	1.6	-33.8	2.6	6.6
	Apr	5.8	16.1	15.8	-24.6	5.5	-3.8
	May	10.6	50.3	30.2	-7.3	6.6	-4.2
	Jun	14.1	54.8	36.2	14.4	10.8	-7.0
	Jul	9.1	20.6	21.0	22.6	8.8	-2.9
	Aug	5.5	5.5	10.1	24.4	7.1	-4.0
	Sep	3.1	3.3	5.6	14.1	3.9	-0.4
	Oct	2.7	5.4	4.1	8.3	1.6	4.7
	Nov	2.5	6.2	2.2	4.2	-0.4	8.6
	Dec	3.4	3.9	0.5	8.5	-1.6	17.5
2022	Jan	5.3	3.1	-0.1	17.3	0.6	10.8
	Feb	6.6	3.7	0.6	27.2	2.2	6.6
	Mar	7.2	3.8	1.0	38.4	3.9	-4.9
	Apr	5.1	2.6	-0.4	38.3	0.7	-1.3
	May	3.5	-0.2	-2.0	30.0	-	-5.4
	Jun	1.7	-2.8	-3.6	14.9	-3.9	-2.1
	Jul	1.1	-3.4	-3.1	2.3	-5.3	-5.6
	Aug	0.4	-2.3	-2.7	-5.5	-6.7	-6.0
	Sep	-	0.1	-3.2	-6.8	-6.1	-6.3
	Oct	-0.3	0.1	-4.2	-4.5	-7.2	-2.2
	Nov	-0.4	0.4	-5.3	-3.1	-9.9	2.1
	Dec	-0.7	0.4	-5.6	-3.7	-12.4	-2.1
2023	Jan	-0.8	1.3 [†]	-6.4 [†]	-6.0 [†]	-13.5 [†]	-0.8 [†]
	Feb	-0.9 [†]	2.0	-7.5	-8.2	-13.3	0.2
	Mar	-1.1	0.9	-8.8	-10.0	-12.1	8.3

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

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

IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2019 = 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	52.8	81.3	50.5	18.0	54.6	108.3	67.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

Percentage change, latest month on previous month

2021	Jan	-1.1	-2.7	5.5	6.3	-4.9	-9.8	1.4
	Feb	0.8	-1.6	4.7	3.0	1.7	1.7	1.3
	Mar	5.0	1.6	-3.7	-1.5	5.5	-0.2	-0.5
	Apr	0.2	-	-2.1	2.8	-0.2	-1.4	0.1
	May	-3.6	2.2	1.1	3.9	0.1	-10.8	1.5
	Jun	-0.5	-2.1	1.6	-7.9	-0.1	4.2	2.8
	Jul	-0.8	-2.7	0.3	-0.5	-4.0	-0.3	-0.3
	Aug	-0.9	-0.4	-1.0	-3.1	1.4	1.8	0.1
	Sep	1.5	-1.9	-	-1.2	2.5	-1.4	-0.5
	Oct	-0.8	-1.1	-1.7	-1.4	-12.0	-0.7	-0.3
	Nov	0.8	-1.4	2.0	-1.3	1.9	-2.0	-0.2
	Dec	-3.3	-2.2	0.4	0.2	-3.3	-1.8	-2.2
2022	Jan	1.8	3.7	0.4	-0.7	6.4	-0.8	0.9
	Feb	-2.2	-1.1	-3.7	-2.9	-4.4	0.4	3.0
	Mar	2.4	0.5	0.7	3.0	-2.2	0.7	-1.1
	Apr	3.5	-0.1	-3.0	-4.2	-1.8	0.4	-3.2
	May	2.5	-1.5	0.8	-1.5	3.0	-2.3	1.4
	Jun	-4.2	-1.3	1.9	0.8	-0.9	-0.9	0.5
	Jul	-2.0	0.2	1.2	-1.5	-1.6	-1.7	0.1
	Aug	-1.6	-1.9	3.3	2.0	-1.4	-1.7	1.0
	Sep	-2.8	0.3	-2.2	-1.0	-0.9	0.8	-1.6
	Oct	0.1	-1.2	-1.0	-0.4	-0.3	2.6	0.8
	Nov	-1.5	0.3	1.3	-1.0	0.7	1.5	0.2
	Dec	1.2	-0.9	0.6	-1.0	1.8	0.2	-0.7
2023	Jan	1.9 [†]	3.6 [†]	-0.9 [†]	3.8 [†]	-1.6 [†]	-1.2 [†]	1.4 [†]
	Feb	1.0	0.5	3.2	-5.9	0.2	1.2	1.0
	Mar	-1.3	1.7	3.3	1.4	-0.5	0.9	-0.5

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

2021	Jan	8.4	15.3	-2.6	31.4	23.5	7.6	6.8
	Feb	6.8	13.0	-2.0	22.9	26.3	2.2	6.5
	Mar	11.3	12.8	2.8	24.5	32.0	5.7	8.2
	Apr	35.5	24.7	11.6	34.3	61.1	35.3	20.5
	May	55.1	35.4	13.2	45.3	87.1	72.6	32.9
	Jun	54.3	35.5	14.5	44.2	75.7	77.5	39.9
	Jul	25.8	21.7	7.4	27.1	43.2	36.8	29.0
	Aug	11.9	11.6	4.7	9.2	28.1	12.6	19.5
	Sep	6.7	5.1	1.7	-0.7	25.4	-0.5	13.5
	Oct	4.1	0.1	-0.4	-6.8	18.2	-7.8	10.7
	Nov	2.6	-4.5	-1.5	-10.8	9.1	-13.9	9.2
	Dec	0.1	-8.0	0.4	-9.1	-2.8	-17.0	6.5
2022	Jan	-0.7	-8.4	1.6	-8.5	-4.7	-16.8	4.2
	Feb	-2.0	-7.8	0.6	-7.7	-6.8	-14.9	3.5
	Mar	-2.9	-6.0	-2.2	-10.2	-7.6	-12.1	3.7
	Apr	-3.6	-6.2	-3.8	-12.7	-12.2	-11.7	2.8
	May	-1.4	-7.7	-2.7	-15.0	-14.0	-8.4	1.4
	Jun	0.4	-8.7	-3.0	-16.0	-13.9	-6.5	-0.6
	Jul	0.7	-8.7	-2.7	-15.3	-12.6	-5.6	-1.3
	Aug	-1.2	-8.0	-0.9	-11.5	-13.0	-8.7	-1.6
	Sep	-3.3	-6.9	-	-10.2	-14.1	-9.5	-1.6
	Oct	-4.6	-6.7	0.9	-8.3	-12.4	-8.8	-1.3
	Nov	-6.4	-5.5	0.1	-7.8	-10.0	-6.0	-1.1
	Dec	-5.4	-4.6	0.2	-7.7	-4.8	-3.3	-0.1
2023	Jan	-4.7 [†]	-3.7 [†]	-0.4 [†]	-6.6 [†]	-6.1 [†]	-1.6 [†]	0.7 [†]
	Feb	-2.1	-2.8	1.5	-6.6	-5.5	-0.8	0.7
	Mar	-2.3	-2.0	4.3	-6.7	-5.9	-0.6	0.4

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

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

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2019 = 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	110.8	25.5	48.0	18.5	44.3	49.0
	K22B	K22P	K22T	K22X	K22Z	K239

Percentage change, latest 3 months on previous 3 months

2021	Jan	-1.9	1.5	4.0	-5.8	4.2	-2.9
	Feb	-3.4	0.6	1.3	-13.0	-0.8	2.2
	Mar	-2.9	-2.2	0.3	-14.6	-5.3	6.3
	Apr	0.7	-0.2	0.9	-7.5	-3.3	2.0
	May	3.9	5.6	2.2	5.8	-0.9	3.6
	Jun	5.6	8.2	2.0	23.0	3.2	-1.4
	Jul	3.8	5.6	0.3	27.4	1.5	5.4
	Aug	1.9	0.9	-1.9	19.9	1.2	-0.7
	Sep	0.5	-1.9	-1.5	5.8	-1.5	2.5
	Oct	0.1	-1.5	-1.1	-2.4	-0.6	0.3
	Nov	0.2	-0.9	0.5	-5.6	-	3.3
	Dec	0.3	0.1	-0.3	-2.4	2.3	9.3
2022	Jan	0.6	-0.6	-0.2	2.1	3.1	2.8
	Feb	0.4	-1.8	-0.2	6.2	1.9	0.3
	Mar	0.7	-2.2	0.9	8.9	-0.1	-13.9
	Apr	0.5	-0.8	0.6	9.0	-3.2	-9.1
	May	0.9	1.6	-0.5	8.1	-3.1	-8.1
	Jun	0.2	1.3	-2.7	2.1	-4.5	1.4
	Jul	-0.1	-0.5	-2.4	-5.8	-4.5	0.8
	Aug	-1.1	-1.2	-2.5	-12.8	-5.6	-1.3
	Sep	-1.2	1.0	-1.1	-14.2	-3.8	-1.8
	Oct	-1.3	2.1	-2.1	-8.9	-2.6	3.8
	Nov	-0.6	1.8	-2.2	-3.2	-3.4	12.1
	Dec	-0.3	0.4	-2.7	0.9	-4.5	14.1
2023	Jan	0.1 [†]	0.6 [†]	-2.6 [†]	0.4 [†]	-3.8 [†]	4.3 [†]
	Feb	-	-0.2	-2.5	0.6	-2.0	-1.5
	Mar	0.3	-1.8	-2.5	1.9	0.3	-4.7

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IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2019 = 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	52.8	81.3	50.5	18.0	54.6	108.3	67.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

Percentage change, latest 3 months on previous 3 months

2021	Jan	3.8	6.0	-0.6	-1.0	16.8	6.1	4.4
	Feb	2.0	2.0	-1.8	-5.9	12.8	-2.6	4.6
	Mar	2.2	-1.1	1.8	-0.8	6.3	-7.5	3.7
	Apr	3.7	-1.5	1.6	1.9	4.8	-5.8	2.3
	May	4.1	0.3	-0.1	5.8	4.7	-6.9	1.5
	Jun	1.2	1.3	-1.9	2.7	4.0	-6.8	2.2
	Jul	-2.4	0.4	-0.5	-0.4	0.3	-9.2	3.2
	Aug	-3.6	-2.5	1.4	-6.0	-2.3	-3.6	3.7
	Sep	-2.4	-4.2	1.0	-7.0	-2.3	-0.8	2.0
	Oct	-0.9	-4.5	-0.8	-7.3	-3.7	1.7	0.4
	Nov	0.3	-4.3	-1.0	-4.7	-5.5	-1.5	-0.8
	Dec	-0.8	-4.2	-0.5	-4.0	-9.9	-3.0	-1.5
2022	Jan	-1.0	-3.0	1.4	-2.7	-5.8	-4.3	-1.7
	Feb	-2.7	-1.5	0.3	-2.6	-3.7	-3.7	-0.9
	Mar	-0.9	1.1	-0.9	-2.0	0.9	-2.1	0.9
	Apr	0.6	0.9	-3.8	-2.8	-3.5	-0.1	1.0
	May	4.7	0.4	-3.4	-2.6	-3.3	0.2	-0.6
	Jun	4.6	-1.6	-2.7	-4.0	-3.1	-0.9	-2.0
	Jul	2.0	-2.2	0.7	-3.4	-0.2	-3.0	-0.9
	Aug	-3.4	-2.8	3.3	-2.1	-1.1	-3.9	0.6
	Sep	-6.0	-2.3	4.2	-0.6	-2.4	-3.9	1.0
	Oct	-6.2	-2.4	2.8	0.4	-3.4	-1.7	0.4
	Nov	-5.0	-1.7	0.1	-0.8	-2.3	1.3	-0.3
	Dec	-3.0	-1.8	-0.3	-1.4	-0.3	3.7	-
2023	Jan	-1.0 [†]	0.1 [†]	- [†]	-1.0 [†]	0.9 [†]	3.3 [†]	0.2 [†]
	Feb	1.8	1.4	1.6	-1.3	1.2	1.7	1.0
	Mar	2.4	3.9	3.2	-0.9	-0.2	0.6	1.5

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