

Statistical bulletin

Index of Production, UK: January 2022

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



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1 . Main points

- Monthly production output rose by 0.7% between December 2021 and January 2022, to reach a level that was 2.0% below February 2020 (the last month of "normal" trading conditions prior to the coronavirus (COVID-19) pandemic).
- The monthly rise in output was the result of growth in three of the four production sectors, with manufacturing growing by 0.8%, mining and quarrying by 2.0% and electricity and gas by 1.0%; in contrast, water supply and sewerage fell by 1.5%.
- Within manufacturing there was widespread growth during January, with the largest contributions coming from manufacturing of rubber and plastic products, which rose by 9.1%, and manufacturing of basic metals and metal products, which rose by 5.0%.
- Output remained below pre-coronavirus levels in three of the four production sectors; when compared with the February 2020 level, monthly manufacturing output remained 1.6% below, mining and quarrying 16.7% below and electricity and gas 2.4% below, in contrast, water supply and sewerage was 7.3% above.
- For the three months to January 2022, production output increased by 0.4% compared with the three months to October 2021; rises of 0.8% in manufacturing, 1.0% in electricity and gas and 2.6% in water supply and sewerage were partially offset by a fall of 8.3% in mining and quarrying.
- Within manufacturing, the most notable increase for the three months to January 2022 compared with the three months to October 2021 was a rise of 4.6% in basic metals and metal products.
- For further and detailed analysis of the effect on our monthly Index of Production estimate, please see [GDP monthly estimate, UK: January 2022](#), published today (11 March 2022).

2 . Index of Production data

[Index of Production \(IoP\) time series](#)

Dataset DIOP | Released 11 March 2022

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 11 March 2022

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 11 March 2022

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

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

Dataset | Released 11 March 2022

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 | 11 March 2022

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](#).

Coronavirus (COVID-19)

The Office for National Statistics' (ONS) Monthly Business Survey (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 coronavirus \(COVID-19\) on the UK economy and population](#) are available on their own web page. This is the hub for all special coronavirus-related publications, including the fortnightly Business Insights and Conditions Survey (BICS).

Economic statistics governance after EU exit

Following the UK's exit from the EU, new governance arrangements are being put in place that 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 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 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 and labour market statistics.

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

4 . Related links

[International comparisons of GDP during the coronavirus \(COVID-19\) pandemic](#)

Article | Released 1 February 2021

The coronavirus (COVID-19) pandemic has led to record declines in gross domestic product (GDP) in advanced economies in 2020. International comparisons show that the UK has experienced the largest contraction in volume GDP among the G7 countries. However, international comparisons have also been complicated by how National Statistical Institutes (NSIs) record non-market output.

[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: January 2022](#)

Bulletin | Released 11 March 2022

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: January 2022](#) Bulletin | Released 16 February 2022

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 \(ProdCom\): 2020 results](#)

Bulletin | Released 11 August 2021

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: 24 February 2022](#)

Bulletin | Released 24 February 2022

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.

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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
2017	93.3	94.0	93.3	86.9	100.0	93.6	92.1	89.3	97.6	91.9	91.6
2018	96.6	98.7	97.0	88.6	100.5	99.0	97.7	96.0	101.6	93.9	93.2
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	91.6	81.0	91.0	97.8	98.3	79.1	85.5	99.2	83.7	93.5	92.5
2021	96.0	70.1	97.3	99.6	103.5	65.4	90.2	104.6	88.9	101.9	89.3
2020 Q4	95.8	77.0	96.7	99.2	100.0	74.5	90.1	98.4	91.7	101.5	91.7
2021 Q1	95.4	72.6	96.2	102.0	101.3	69.3	90.2	100.1	91.0	100.7	91.1
Q2	96.2	59.6	98.1	105.1	102.2	53.4	90.2	103.9	90.0	103.6	88.7
Q3	96.3	75.8	97.4	97.1	104.2	71.3	91.0	105.2	88.6	101.6	90.1
Q4	95.9	72.4	97.4	94.0	106.1	67.4	89.4	109.2	86.1	101.7	87.2
2020 Nov	96.2	75.4	97.7	98.4	99.7	72.1	93.5	98.3	93.1	102.2	90.4
Dec	95.9	77.2	96.5	101.0	100.5	75.6	85.8	97.5	91.7	102.1	93.1
2021 Jan	94.7	74.3	95.1	102.3	100.1	70.9	89.9	99.3	89.2	100.4	91.8
Feb	95.2	70.2	96.1	102.3	101.1	66.7	91.9	99.4	91.7	100.2	90.6
Mar	96.4	73.3	97.4	101.5	102.6	70.3	88.9	101.7	92.2	101.5	91.1
Apr	96.2	60.3	98.1	104.8	101.4	54.5	88.1	101.1	92.5	103.9	88.3
May	96.9	62.8	98.2	108.3	101.8	57.3	89.1	107.7	88.0	103.4	91.4
Jun	95.5	55.7	97.9	102.1	103.4	48.5	93.3	103.0	89.6	103.3	86.4
Jul	96.1	68.4	97.5	99.8	104.5	62.9	92.5	105.1	88.6	101.9	89.0
Aug	96.6	80.2	97.5	96.3	104.4	76.4	90.5	105.0	89.2	101.0	91.2
Sep	96.1	78.7	97.1	95.2	103.7	74.5	90.0	105.6	88.1	101.8	90.1
Oct	95.3	74.6	96.9	92.2	104.2	70.0	89.0	109.0	85.1	101.6	87.0
Nov	96.0	72.4	97.6	94.2	106.2	67.0	89.3	108.2	86.7	102.4	87.2
Dec	96.3	70.1	97.8	95.7	108.0	65.2	89.8	110.6	86.6	101.1	87.6
2022 Jan	96.9	71.5	98.6	96.7	106.4	65.9	91.6	103.6	87.9	107.9	88.4
Percentage change, latest year on previous year											
2017	0.1	-8.8	1.4	-5.2	0.9	-7.4	3.9	-2.7	6.9	-1.5	-5.0
2018	3.5	5.0	3.9	2.0	0.5	5.7	6.1	7.5	4.1	2.2	1.8
2019	3.6	1.3	3.1	12.9	-0.5	1.0	2.4	4.1	-1.6	6.4	7.3
2020	-8.4	-19.0	-9.0	-2.3	-1.7	-20.9	-14.5	-0.8	-16.3	-6.5	-7.5
2021	4.7	-13.4	6.8	1.8	5.2	-17.4	5.5	5.5	6.3	9.0	-3.4
Percentage change, latest month on same month a year ago											
2019 Nov	-0.8	-36.8	1.7	17.7	-0.3	-42.9	5.5	-0.3	-1.5	6.1	-8.4
Dec	-1.3	-37.9	1.6	14.7	-0.6	-43.4	1.8	-2.2	-1.2	6.4	-9.1
2020 Jan	-2.1	-32.2	0.4	4.9	1.2	-37.3	-2.6	-1.2	-1.3	2.8	-10.1
Feb	-2.2	-28.7	-0.2	6.6	-0.3	-33.1	-4.5	1.5	-1.9	-1.2	-7.2
Mar	-8.7	-31.0	-8.9	5.5	-0.2	-35.1	-15.2	-1.5	-17.3	-6.2	-8.6
Apr	-25.3	-24.1	-29.9	-9.7	-8.2	-22.8	-37.2	-8.3	-43.1	-31.1	-12.3
May	-21.3	-18.7	-24.6	-12.4	-8.3	-18.7	-26.9	-3.0	-39.1	-22.9	-12.5
Jun	-11.8	1.3	-14.9	-7.1	-3.1	2.5	-22.9	-1.2	-26.5	-10.5	-3.2
Jul	-7.5	-10.5	-9.0	0.1	-1.5	-11.8	-13.0	1.3	-18.5	-5.1	-4.1
Aug	-5.4	-15.4	-5.9	2.5	-1.8	-16.3	-11.4	3.5	-13.9	-3.5	-4.6
Sep	-5.3	-20.9	-5.1	0.7	-0.4	-23.1	-10.5	0.1	-11.3	-2.2	-6.4
Oct	-5.0	-11.9	-4.7	-6.2	0.6	-12.0	-10.3	-0.2	-10.4	-0.9	-6.8
Nov	-3.1	-14.2	-1.8	-7.1	0.5	-15.1	-6.9	-0.7	-6.0	1.7	-8.8
Dec	-3.0	-9.0	-3.0	-2.8	1.5	-8.5	-12.7	-0.3	-6.6	0.8	-5.0
2021 Jan	-4.1	-12.9	-4.7	1.9	-0.1	-14.1	-5.2	-0.2	-9.6	-0.2	-4.4
Feb	-3.8	-18.2	-4.2	3.3	2.1	-20.0	-3.8	-3.4	-7.3	1.4	-5.4
Mar	3.2	-9.6	4.6	2.2	2.9	-10.3	2.3	-2.1	9.6	7.6	-3.2
Apr	29.8	-22.3	41.8	16.8	10.0	-31.4	42.2	9.9	67.6	51.9	0.6
May	22.9	-22.1	30.2	22.2	9.8	-28.8	18.7	13.0	42.3	34.9	3.9
Jun	8.8	-38.9	15.1	7.5	5.2	-46.5	20.7	5.4	20.4	15.9	-7.9
Jul	4.0	-18.5	6.8	-0.7	5.6	-23.0	7.7	2.8	8.5	7.5	-5.5
Aug	3.2	1.7	4.3	-4.6	5.6	-0.3	2.2	3.1	3.6	4.7	-1.2
Sep	1.8	3.6	2.7	-6.4	4.3	2.4	1.0	6.3	-0.3	3.4	-2.5
Oct	0.1	-5.0	1.0	-6.2	4.5	-7.7	-2.2	9.7	-5.7	1.5	-5.1
Nov	-0.2	-4.0	-0.1	-4.3	6.5	-7.1	-4.6	10.1	-6.9	0.3	-3.6
Dec	0.4	-9.1	1.3	-5.3	7.4	-13.8	4.6	13.3	-5.6	-1.0	-6.0
2022 Jan	2.3	-3.7	3.6	-5.5	6.2	-7.1	2.0	4.3	-1.4	7.4	-3.6

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	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 month on previous month											
2019 Nov	-0.9	-1.4	-1.2	1.1	-	-1.5	-1.0	-0.6	-1.8	-0.6	0.8
2019 Dec	-0.4	-3.5	0.1	-2.0	-0.2	-2.6	-2.2	-1.1	-0.9	1.0	-1.1
2020 Jan	-0.1	0.6	0.3	-3.4	1.3	-0.2	-3.6	1.7	0.5	-0.7	-2.2
2020 Feb	0.1	0.6	0.4	-1.3	-1.2	1.0	0.8	3.3	0.3	-1.9	-0.2
2020 Mar	-5.5	-5.6	-7.1	0.2	0.7	-5.9	-9.0	0.9	-15.0	-4.5	-1.7
2020 Apr	-20.7	-4.2	-25.7	-9.7	-7.5	1.3	-28.6	-11.4	-34.4	-27.5	-6.7
2020 May	6.4	3.9	9.1	-1.2	0.5	1.4	21.2	3.5	12.1	12.1	0.2
2020 Jun	11.3	13.1	12.6	7.2	6.1	12.5	2.9	2.5	20.4	16.3	6.7
2020 Jul	5.3	-8.0	7.4	5.9	0.7	-10.0	11.1	4.6	9.6	6.3	0.3
2020 Aug	1.3	-6.0	2.4	0.4	-0.2	-6.1	3.2	-0.3	5.4	1.8	-2.0
2020 Sep	0.8	-3.8	1.2	0.8	0.6	-5.0	0.5	-2.5	2.7	2.1	0.1
2020 Oct	0.8	3.4	1.4	-3.4	0.4	4.3	2.2	-	2.3	1.7	-0.8
2020 Nov	1.1	-4.0	1.8	0.2	-	-5.0	2.7	-1.1	3.1	2.0	-1.4
2020 Dec	-0.4	2.4	-1.2	2.6	0.8	4.8	-8.3	-0.7	-1.5	-	3.0
2021 Jan	-1.2	-3.7	-1.5	1.3	-0.4	-6.3	4.7	1.8	-2.8	-1.6	-1.5
2021 Feb	0.5	-5.5	1.0	-	1.0	-6.0	2.3	-	2.8	-0.3	-1.3
2021 Mar	1.3	4.4	1.3	-0.9	1.5	5.5	-3.3	2.3	0.6	1.3	0.6
2021 Apr	-0.2	-17.8	0.8	3.3	-1.2	-22.5	-0.9	-0.5	0.3	2.4	-3.0
2021 May	0.7	4.2	0.1	3.3	0.3	5.2	1.1	6.5	-4.8	-0.5	3.4
2021 Jun	-1.4	-11.3	-0.4	-5.7	1.6	-15.4	4.7	-4.3	1.8	-0.1	-5.4
2021 Jul	0.6	22.8	-0.4	-2.2	1.1	29.7	-0.8	2.0	-1.2	-1.4	3.0
2021 Aug	0.5	17.2	-	-3.5	-0.1	21.5	-2.1	-0.1	0.7	-0.9	2.4
2021 Sep	-0.6	-1.9	-0.4	-1.1	-0.7	-2.5	-0.6	0.6	-1.2	0.7	-1.2
2021 Oct	-0.8	-5.2	-0.3	-3.2	0.5	-6.0	-1.1	3.2	-3.3	-0.2	-3.4
2021 Nov	0.7	-2.9	0.7	2.2	1.9	-4.3	0.3	-0.7	1.8	0.8	0.2
2021 Dec	0.3	-3.1	0.2	1.6	1.7	-2.7	0.6	2.1	-0.1	-1.3	0.4
2022 Jan	0.7	2.0	0.8	1.0	-1.5	1.0	2.0	-6.3	1.5	6.7	1.0
Percentage change, latest 3 months on same 3 months a year ago²											
2019 Nov	0.2	-32.7	2.6	15.7	-1.1	-38.4	6.1	0.9	-	6.2	-7.2
2019 Dec	-0.5	-37.0	2.4	15.9	-0.8	-42.9	4.7	-0.3	-0.3	6.4	-9.0
2020 Jan	-1.4	-35.7	1.2	12.3	0.1	-41.3	1.6	-1.2	-1.3	5.1	-9.2
2020 Feb	-1.9	-33.1	0.6	8.7	0.1	-38.2	-1.8	-0.7	-1.5	2.6	-8.8
2020 Mar	-4.3	-30.7	-3.0	5.7	0.2	-35.2	-7.5	-0.4	-6.9	-1.6	-8.7
2020 Apr	-12.0	-28.1	-12.9	0.6	-2.9	-30.7	-18.9	-2.7	-20.5	-12.8	-9.4
2020 May	-18.3	-24.9	-21.0	-5.7	-5.6	-26.1	-26.3	-4.2	-33.0	-20.0	-11.1
2020 Jun	-19.5	-14.4	-23.1	-9.7	-6.5	-13.7	-28.9	-4.2	-36.1	-21.5	-9.4
2020 Jul	-13.5	-9.6	-16.2	-6.5	-4.3	-9.7	-21.0	-0.9	-28.1	-12.8	-6.7
2020 Aug	-8.2	-8.3	-10.0	-1.6	-2.1	-8.7	-15.8	1.2	-19.7	-6.4	-4.0
2020 Sep	-6.1	-15.6	-6.7	1.1	-1.2	-17.1	-11.6	1.6	-14.6	-3.6	-5.1
2020 Oct	-5.2	-16.2	-5.2	-1.1	-0.6	-17.3	-10.7	1.1	-11.9	-2.2	-5.9
2020 Nov	-4.5	-15.8	-3.9	-4.3	0.2	-16.9	-9.2	-0.3	-9.2	-0.4	-7.3
2020 Dec	-3.7	-11.7	-3.2	-5.4	0.9	-11.9	-9.9	-0.4	-7.7	0.5	-6.9
2021 Jan	-3.4	-12.0	-3.2	-2.8	0.6	-12.6	-8.3	-0.4	-7.4	0.8	-6.1
2021 Feb	-3.6	-13.4	-4.0	0.7	1.1	-14.2	-7.2	-1.4	-7.8	0.6	-4.9
2021 Mar	-1.6	-13.6	-1.6	2.5	1.6	-14.9	-2.3	-1.9	-3.0	2.8	-4.3
2021 Apr	8.0	-16.7	11.1	7.1	4.8	-20.6	10.1	1.1	16.0	16.9	-2.7
2021 May	17.5	-17.9	23.6	13.3	7.4	-23.6	18.8	6.6	35.6	29.0	0.3
2021 Jun	19.9	-28.3	28.1	15.3	8.2	-36.0	26.2	9.4	41.0	32.6	-1.3
2021 Jul	11.4	-26.9	16.6	9.2	6.8	-33.3	15.4	7.0	22.1	18.4	-3.3
2021 Aug	5.3	-19.6	8.6	0.6	5.5	-24.5	9.8	3.7	10.4	9.2	-4.9
2021 Sep	3.0	-4.8	4.6	-3.9	5.2	-7.5	3.6	4.0	3.8	5.2	-3.1
2021 Oct	1.7	0.1	2.6	-5.7	4.8	-1.9	0.3	6.3	-0.9	3.2	-2.9
2021 Nov	0.5	-1.8	1.2	-5.6	5.1	-4.2	-2.0	8.7	-4.4	1.7	-3.7
2021 Dec	0.1	-6.0	0.7	-5.2	6.1	-9.6	-0.9	11.0	-6.1	0.2	-4.9
2022 Jan	0.8	-5.6	1.6	-5.0	6.7	-9.4	0.6	9.2	-4.7	2.2	-4.4

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 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 3 months on previous 3 months²												
2019	Nov	0.2	-1.5	0.1	3.5	-1.4	-2.5	0.8	-0.1	-0.6	0.9	1.4
	Dec	-0.1	-7.5	0.1	4.9	-1.2	-8.9	0.7	-0.7	-0.5	0.8	0.6
2020	Jan	-0.6	-7.3	-0.3	2.0	-0.4	-8.2	-2.5	-0.3	-1.5	0.3	-0.2
	Feb	-0.9	-6.3	-0.1	-2.7	0.1	-6.5	-4.3	0.9	-1.3	-0.4	-2.2
	Mar	-2.4	-3.7	-2.2	-5.1	0.6	-3.8	-7.7	3.3	-5.5	-3.0	-3.3
	Apr	-10.3	-5.2	-12.1	-7.1	-2.5	-3.5	-16.8	0.8	-19.5	-13.5	-5.3
	May	-16.9	-6.5	-20.6	-8.5	-4.6	-4.0	-22.4	-3.0	-32.0	-20.4	-6.9
	Jun	-17.3	-1.0	-21.7	-8.5	-5.3	2.6	-22.6	-7.0	-32.0	-20.3	-5.6
	Jul	-2.8	4.6	-4.1	-1.4	-0.3	4.8	-2.5	-1.2	-8.5	-0.3	-0.6
	Aug	11.1	6.2	13.5	6.8	4.0	4.4	12.4	3.6	20.4	17.1	3.9
	Sep	16.5	-4.3	21.7	11.0	4.9	-7.8	22.9	6.4	33.7	23.7	3.4
	Oct	9.3	-8.8	12.8	5.9	2.7	-10.9	12.8	1.8	21.4	13.2	0.1
	Nov	4.3	-9.6	6.8	0.7	0.9	-11.3	8.7	-1.6	12.2	7.2	-2.1
	Dec	2.4	-3.2	3.8	-1.8	0.9	-3.2	2.6	-2.7	7.5	5.1	-1.3
2021	Jan	1.3	-2.8	1.9	0.2	0.8	-3.0	0.2	-1.8	3.5	3.3	-0.4
	Feb	-	-3.5	-0.2	2.4	1.0	-3.5	-2.2	-0.2	0.3	0.7	0.4
	Mar	-0.3	-5.8	-0.6	2.8	1.3	-7.1	0.1	1.8	-0.8	-0.8	-0.7
	Apr	0.3	-10.2	0.8	2.3	1.6	-12.4	-0.1	2.4	0.9	0.3	-1.9
	May	1.3	-11.4	2.1	2.9	1.3	-14.5	-0.5	4.8	-	2.0	-1.7
	Jun	0.8	-17.9	2.0	3.0	0.9	-22.9	-	3.8	-1.1	2.8	-2.7
	Jul	0.3	-8.2	0.7	0.5	1.5	-11.9	2.2	4.5	-3.7	1.0	-1.2
	Aug	-0.4	4.1	-0.3	-5.2	2.1	3.1	3.8	0.8	-2.0	-0.8	-1.5
	Sep	0.1	27.1	-0.7	-7.5	1.9	33.3	0.9	1.2	-1.6	-1.9	1.6
	Oct	-0.2	24.9	-0.7	-8.5	0.8	30.9	-1.9	1.2	-1.4	-1.4	0.6
	Nov	-0.3	10.4	-0.4	-5.6	0.5	12.6	-2.9	3.1	-2.8	-0.2	-0.9
	Dec	-0.4	-4.5	-	-3.2	1.8	-5.4	-1.8	3.8	-2.8	0.1	-3.2
2022	Jan	0.4	-8.3	0.8	1.0	2.6	-10.4	0.4	0.9	-0.5	2.3	-1.9

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

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

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

IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 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
2017	86.5	87.6	93.1	99.4	80.6	94.1
2018	96.7	92.6	94.6	78.8	86.5	94.8
2019	100.0	100.0	100.0	100.0	100.0	100.0
2020	94.7	88.3	90.9	86.8	107.0	113.9
2021	98.7	104.5	104.8	87.5	109.1	118.1
2020 Q4	95.4	96.7	97.3	85.0	113.3	108.7
2021 Q1	94.1	97.6	99.8	77.0	110.9	115.5
Q2	100.1	106.5	106.0	90.1	111.0	112.8
Q3	100.2	106.8	107.3	93.7	107.0	114.9
Q4	100.3	107.2	106.1	89.0	107.6	129.2
2020 Nov	96.0	96.3	98.4	85.4	113.4	108.3
Dec	94.4	99.2	97.7	84.1	116.7	107.6
2021 Jan	93.2	96.8	98.3	78.0	112.2	114.7
Feb	94.2	94.3	99.3	76.2	110.7	114.8
Mar	95.0	101.8	101.8	76.8	109.9	117.1
Apr	100.1	103.6	106.1	81.7	113.3	101.2
May	100.5	105.9	106.2	91.5	110.2	126.6
Jun	99.8	110.1	105.6	97.0	109.4	110.5
Jul	100.3	107.4	106.4	95.8	107.9	116.0
Aug	100.3	107.7	107.1	95.8	107.2	112.6
Sep	100.0	105.3	108.5	89.6	105.8	116.2
Oct	100.7	107.0	108.1	88.4	107.5	126.7
Nov	101.1	107.6	106.9	89.6	108.2	123.1
Dec	99.0	106.9	103.4	89.0	107.1	137.9
2022 Jan	101.7	116.7	107.1	88.1	110.3	105.8
Percentage change, latest year on previous year						
2017	-3.7	8.3	-1.4	-6.6	-5.7	-2.1
2018	11.7	5.8	1.7	-20.7	7.3	0.7
2019	3.5	7.9	5.7	27.0	15.7	5.6
2020	-5.3	-11.7	-9.1	-13.2	6.9	13.9
2021	4.2	18.4	15.3	0.7	2.0	3.7
Percentage change, latest month on same month a year ago						
2019 Nov	-0.7	5.7	2.6	30.7	5.1	0.8
Dec	-2.1	3.4	1.6	31.7	6.9	-7.5
2020 Jan	-3.4	1.1	2.8	16.2	7.7	-3.4
Feb	-1.6	3.9	-1.3	13.6	2.4	6.1
Mar	-4.6	-13.2	-7.7	7.6	6.2	6.2
Apr	-13.9	-57.0	-33.6	-21.0	2.5	22.3
May	-11.3	-32.5	-25.1	-28.9	2.8	25.0
Jun	-6.6	-9.2	-14.8	-21.9	1.6	16.8
Jul	-2.3	-4.2	-6.2	-23.7	6.7	13.2
Aug	-3.5	-3.7	-7.0	-23.0	9.9	24.1
Sep	-4.8	-11.0	-6.9	-6.3	7.0	19.5
Oct	-4.4	-9.5	-6.1	-19.4	7.9	14.0
Nov	-3.2	-5.0	-2.1	-20.1	14.9	10.8
Dec	-3.9	0.3	-1.5	-24.9	13.5	14.7
2021 Jan	-4.9	-0.2	-2.7	-27.6	5.2	15.1
Feb	-5.9	-6.3	0.6	-30.8	7.2	5.8
Mar	-3.3	17.0	7.1	-26.2	1.0	-1.6
Apr	15.6	141.7	56.6	4.3	12.9	-16.7
May	13.8	60.3	45.5	24.1	7.8	4.8
Jun	9.5	22.1	25.5	30.5	8.0	-6.8
Jul	4.1	9.9	15.6	24.7	3.0	-4.2
Aug	4.6	11.8	15.3	26.2	-1.2	-5.7
Sep	4.7	14.6	15.4	4.3	-1.7	4.0
Oct	5.0	13.3	12.7	3.6	-2.0	14.9
Nov	5.3	11.7	8.6	5.0	-4.6	13.7
Dec	4.9	7.7	5.8	5.8	-8.2	28.1
2022 Jan	9.2	20.6	9.0	12.9	-1.7	-7.7

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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

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
2017	91.2	100.8	92.2	90.4	97.7	101.0	95.6
2018	94.4	100.2	98.5	89.1	106.7	101.9	98.5
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	93.2	89.3	88.5	92.3	80.0	76.7	94.0
2021	105.0	94.7	89.7	100.2	91.7	76.2	106.2
2020 Q4	103.5	95.3	91.3	97.4	88.3	89.7	99.7
2021 Q1	104.8	92.7	91.5	101.6	89.4	83.0	103.0
Q2	107.5	95.7	90.4	102.9	95.8	74.8	107.7
Q3	103.8	94.1	88.7	100.1	94.5	74.3	107.8
Q4	104.0	96.3	88.1	96.3	86.9	72.7	106.4
2020 Nov	104.6	95.9	95.2	101.3	88.7	91.3	100.4
Dec	103.7	95.3	85.6	92.6	90.7	90.0	99.9
2021 Jan	102.5	92.9	90.3	99.6	86.3	80.5	103.6
Feb	103.6	91.0	93.9	103.2	87.6	84.3	104.2
Mar	108.4	94.1	90.3	102.0	94.4	84.2	101.1
Apr	111.2	95.0	89.1	103.0	94.9	81.7	106.4
May	106.6	96.2	91.0	104.7	95.9	69.3	107.1
Jun	104.8	95.9	91.2	101.1	96.7	73.4	109.6
Jul	104.7	93.9	89.3	101.5	93.3	73.8	108.3
Aug	103.1	93.4	89.3	99.9	94.2	76.3	107.8
Sep	103.7	95.1	87.5	98.9	96.0	72.8	107.4
Oct	103.8	94.7	87.3	97.7	85.5	70.7	107.3
Nov	105.3	97.0	87.8	95.3	89.8	72.5	106.4
Dec	102.9	97.1	89.1	95.8	85.5	74.8	105.6
2022 Jan	112.3	102.0	92.2	100.3	91.8	71.4	108.6
Percentage change, latest year on previous year							
2017	0.6	-2.7	4.5	4.2	8.2	7.6	5.2
2018	3.5	-0.6	6.8	-1.5	9.1	0.8	3.1
2019	6.0	-0.2	1.6	12.3	-6.2	-1.8	1.5
2020	-6.8	-10.7	-11.6	-7.7	-20.0	-23.3	-6.0
2021	12.7	6.1	1.4	8.6	14.6	-0.7	13.1
Percentage change, latest month on same month a year ago							
2019 Nov	1.7	8.1	5.7	7.8	-7.6	-3.0	1.5
Dec	6.2	8.6	1.8	8.2	-9.1	-	4.3
2020 Jan	3.4	-0.2	-2.1	5.0	-11.7	1.7	7.5
Feb	1.7	-3.6	-5.8	2.5	-11.2	0.1	6.8
Mar	-8.9	-9.0	-13.7	-1.5	-22.4	-23.3	-4.7
Apr	-46.3	-29.7	-27.1	-32.3	-50.0	-61.6	-30.0
May	-28.2	-25.9	-18.5	-24.3	-38.8	-62.2	-22.1
Jun	-9.3	-14.3	-17.7	-17.0	-25.8	-40.7	-14.5
Jul	-2.6	-12.7	-10.5	-11.5	-18.8	-28.9	-5.8
Aug	-	-10.3	-7.3	-1.4	-18.1	-22.8	-0.6
Sep	0.4	-6.7	-8.1	-1.9	-15.7	-14.4	-4.0
Oct	2.1	-5.2	-9.2	-1.2	-12.6	-14.0	-1.7
Nov	5.0	-4.6	-5.5	1.7	-8.3	-6.3	-1.7
Dec	1.5	-6.8	-13.0	-9.0	-5.2	-9.3	-0.5
2021 Jan	1.1	-5.8	-5.3	-1.2	-5.7	-20.7	-0.4
Feb	2.2	-6.1	-1.1	4.1	-4.5	-16.1	-1.3
Mar	17.6	3.4	2.0	6.0	18.1	8.6	5.7
Apr	106.6	37.6	24.4	50.9	86.0	135.3	48.5
May	49.9	29.6	8.5	36.9	54.7	80.9	36.4
Jun	16.1	13.4	10.0	19.0	29.1	19.7	28.8
Jul	7.5	7.0	1.6	11.4	16.2	1.0	16.7
Aug	3.4	4.4	-2.2	1.0	16.9	-2.8	9.2
Sep	2.6	1.6	-4.1	-0.2	16.2	-15.4	11.4
Oct	1.4	-0.1	-6.1	-0.7	-	-19.5	8.6
Nov	0.6	1.2	-7.8	-6.0	1.3	-20.6	6.0
Dec	-0.8	1.9	4.1	3.4	-5.8	-16.9	5.7
2022 Jan	9.6	9.8	2.1	0.7	6.4	-11.3	4.8

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IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

continued

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							
2019	Nov	-1.2	-2.8	-1.7	0.9	-2.9	1.1
	Dec	-0.9	-2.5	-1.3	4.9	4.1	-4.1
2020	Jan	-0.2	-1.9	1.8	-3.8	3.8	6.2
	Feb	2.1	3.7	-2.3	2.3	-3.2	8.9
	Mar	-1.7	-13.5	-3.7	-5.6	5.4	9.7
	Apr	-11.9	-50.7	-28.7	-24.7	-7.7	2.1
	May	2.0	54.0	7.7	-5.9	1.9	-0.7
	Jun	3.2	36.6	15.2	0.8	-1.0	-1.8
	Jul	5.7	8.3	9.4	3.3	3.5	2.2
	Aug	-0.4	-1.4	0.9	-1.2	3.6	-1.5
	Sep	-0.4	-4.6	1.3	13.3	-0.8	-6.5
	Oct	0.4	2.8	2.0	-0.7	1.9	-1.3
	Nov	-	2.0	2.5	-	3.4	-1.8
	Dec	-1.6	3.0	-0.6	-1.4	2.9	-0.7
2021	Jan	-1.3	-2.4	0.6	-7.3	-3.8	6.6
	Feb	1.1	-2.6	1.0	-2.4	-1.4	0.1
	Mar	0.9	7.9	2.6	0.8	-0.7	2.0
	Apr	5.4	1.8	4.3	6.4	3.1	-13.5
	May	0.4	2.1	0.1	12.0	-2.8	25.0
	Jun	-0.7	4.0	-0.6	6.0	-0.7	-12.7
	Jul	0.6	-2.5	0.8	-1.3	-1.3	5.0
	Aug	-	0.3	0.6	-	-0.6	-3.0
	Sep	-0.3	-2.2	1.4	-6.4	-1.4	3.2
	Oct	0.7	1.6	-0.3	-1.4	1.7	9.1
	Nov	0.4	0.5	-1.2	1.4	0.6	-2.9
	Dec	-2.1	-0.6	-3.2	-0.7	-1.0	12.0
2022	Jan	2.8	9.2	3.6	-1.0	2.9	-23.2
Percentage change, latest 3 months on same 3 months a year ago							
2019	Nov	0.2	8.8	5.2	25.3	9.6	-0.1
	Dec	-0.9	7.1	3.8	31.6	8.1	-1.8
2020	Jan	-2.1	3.4	2.3	25.8	6.6	-3.4
	Feb	-2.4	2.8	1.0	20.0	5.7	-1.6
	Mar	-3.2	-2.9	-2.1	12.4	5.4	3.0
	Apr	-6.7	-22.4	-14.2	-0.1	3.7	11.2
	May	-9.9	-34.2	-22.0	-14.5	3.9	17.3
	Jun	-10.6	-33.0	-24.6	-24.0	2.3	21.3
	Jul	-6.8	-15.1	-15.3	-24.9	3.7	18.1
	Aug	-4.1	-5.7	-9.3	-22.9	6.0	17.8
	Sep	-3.5	-6.4	-6.7	-18.0	7.9	18.7
	Oct	-4.2	-8.1	-6.7	-16.5	8.3	19.2
	Nov	-4.1	-8.5	-5.0	-15.7	9.9	14.7
	Dec	-3.8	-4.8	-3.2	-21.5	12.1	13.1
2021	Jan	-4.0	-1.7	-2.1	-24.2	11.1	13.5
	Feb	-4.9	-2.1	-1.2	-27.7	8.6	11.6
	Mar	-4.7	2.9	1.6	-28.2	4.4	5.9
	Apr	1.5	30.1	17.5	-19.8	6.9	-4.6
	May	8.2	58.9	33.2	-2.4	7.1	-4.5
	Jun	12.9	60.5	41.4	19.3	9.5	-6.2
	Jul	9.0	27.3	27.7	26.4	6.2	-2.0
	Aug	6.0	14.4	18.6	27.1	3.2	-5.6
	Sep	4.5	12.1	15.4	17.8	-	-2.1
	Oct	4.8	13.2	14.5	10.8	-1.6	4.2
	Nov	5.0	13.2	12.2	4.3	-2.8	10.8
	Dec	5.1	10.9	9.0	4.8	-5.0	18.9
2022	Jan	6.4	13.3	7.8	7.8	-4.9	11.0

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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 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								
2019	Nov	-0.7	0.5	-1.5	-	-1.1	-4.5	1.6
	Dec	2.6	1.8	-2.4	2.2	-1.1	1.9	-1.6
2020	Jan	-0.8	-3.6	-3.1	-0.9	-4.3	2.4	3.7
	Feb	0.1	-1.8	-0.5	-1.7	0.3	-1.1	1.4
	Mar	-9.1	-6.0	-6.8	-2.9	-12.9	-22.9	-9.5
	Apr	-41.6	-24.1	-19.0	-29.1	-36.2	-55.2	-25.0
	May	32.1	7.5	17.0	12.0	21.5	10.3	9.5
	Jun	26.9	13.9	-1.1	11.0	20.8	60.1	8.4
	Jul	7.9	3.7	6.0	7.4	7.2	19.1	9.1
	Aug	2.5	2.0	3.8	8.5	0.4	7.5	6.4
	Sep	1.3	4.6	-0.1	0.2	2.5	9.7	-2.3
	Oct	1.2	1.3	2.0	-0.7	3.5	2.0	2.4
	Nov	2.3	1.2	2.4	2.9	3.7	4.0	1.6
	Dec	-0.9	-0.6	-10.1	-8.6	2.3	-1.4	-0.4
2021	Jan	-1.2	-2.6	5.5	7.6	-4.9	-10.5	3.7
	Feb	1.1	-2.1	4.0	3.6	1.6	4.7	0.6
	Mar	4.6	3.5	-3.8	-1.2	7.7	-0.2	-3.0
	Apr	2.6	1.0	-1.3	0.9	0.5	-2.9	5.3
	May	-4.1	1.3	2.1	1.6	1.1	-15.2	0.6
	Jun	-1.7	-0.3	0.2	-3.5	0.8	5.9	2.3
	Jul	-0.1	-2.1	-2.1	0.5	-3.5	0.5	-1.2
	Aug	-1.5	-0.5	-	-1.7	1.0	3.5	-0.4
	Sep	0.6	1.8	-2.0	-1.0	1.9	-4.6	-0.4
	Oct	0.1	-0.4	-0.2	-1.2	-10.9	-2.9	-0.1
	Nov	1.4	2.5	0.6	-2.5	5.0	2.6	-0.8
	Dec	-2.3	0.1	1.5	0.5	-4.8	3.1	-0.7
2022	Jan	9.1	5.0	3.5	4.8	7.4	-4.5	2.9
Percentage change, latest 3 months on same 3 months a year ago								
2019	Nov	3.1	4.0	6.8	9.6	-6.9	0.8	0.6
	Dec	3.8	6.8	5.1	8.1	-7.6	0.6	2.2
2020	Jan	3.7	5.4	1.8	7.0	-9.5	-0.4	4.4
	Feb	3.7	1.4	-2.1	5.2	-10.7	0.6	6.2
	Mar	-1.3	-4.3	-7.3	2.0	-15.1	-7.2	3.1
	Apr	-17.9	-14.0	-15.4	-10.7	-27.8	-27.1	-9.5
	May	-27.7	-21.5	-19.7	-19.6	-37.0	-48.6	-19.0
	Jun	-28.0	-23.3	-21.0	-24.5	-38.3	-54.5	-22.3
	Jul	-13.3	-17.7	-15.6	-17.6	-27.9	-43.9	-14.2
	Aug	-4.0	-12.4	-11.9	-10.0	-21.0	-30.8	-7.0
	Sep	-0.7	-9.9	-8.6	-5.0	-17.6	-22.1	-3.5
	Oct	0.8	-7.4	-8.2	-1.5	-15.5	-17.0	-2.1
	Nov	2.5	-5.5	-7.6	-0.5	-12.2	-11.6	-2.5
	Dec	2.9	-5.6	-9.2	-2.9	-8.7	-9.9	-1.3
2021	Jan	2.6	-5.8	-8.0	-2.9	-6.4	-12.2	-0.9
	Feb	1.6	-6.3	-6.6	-2.1	-5.1	-15.4	-0.7
	Mar	6.6	-3.0	-1.5	2.9	1.9	-10.9	1.2
	Apr	30.6	9.0	7.1	16.9	24.3	17.6	14.2
	May	50.2	21.8	10.8	28.5	47.8	56.3	28.0
	Jun	49.9	26.0	13.8	34.5	53.0	67.0	37.3
	Jul	22.2	16.0	6.6	21.7	31.6	25.4	26.7
	Aug	8.8	8.2	2.9	10.0	20.5	5.0	17.7
	Sep	4.5	4.3	-1.6	3.8	16.4	-6.2	12.3
	Oct	2.5	1.9	-4.1	-	10.8	-12.9	9.7
	Nov	1.5	0.9	-6.0	-2.3	5.6	-18.5	8.6
	Dec	0.4	1.0	-3.5	-1.2	-1.6	-19.0	6.7
2022	Jan	3.1	4.2	-0.7	-0.7	0.5	-16.5	5.5

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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							
2019	Nov	1.4	2.5	2.3	3.4	1.5	-5.5
	Dec	-0.2	-0.2	1.0	11.6	1.9	-2.8
2020	Jan	-1.6	-3.4	-0.8	10.2	2.4	1.7
	Feb	-1.2	-4.1	-1.6	8.3	3.9	4.9
	Mar	-0.5	-6.6	-2.4	-0.8	5.1	13.5
	Apr	-3.5	-22.5	-13.0	-10.4	1.4	19.9
	May	-7.8	-33.9	-21.1	-22.4	-0.4	19.7
	Jun	-10.2	-30.0	-23.6	-29.7	-4.6	10.3
	Jul	-3.2	10.2	-4.7	-23.1	-1.3	3.3
	Aug	3.7	45.1	14.1	-11.4	1.0	-0.6
	Sep	8.2	43.6	24.0	5.4	5.6	-2.4
	Oct	4.2	11.3	13.5	9.9	5.7	-5.3
	Nov	1.4	-0.5	7.2	13.1	5.1	-8.0
	Dec	-0.5	1.4	4.7	6.8	5.9	-7.4
2021	Jan	-1.3	3.4	4.1	0.1	5.1	-3.1
	Feb	-2.0	2.7	2.4	-7.2	2.7	2.1
	Mar	-1.4	1.0	2.5	-9.4	-2.0	6.2
	Apr	2.0	2.5	4.4	-5.2	-2.5	0.8
	May	4.9	7.2	6.4	4.9	-1.8	2.3
	Jun	6.4	9.1	6.2	17.0	-	-2.4
	Jul	3.9	7.9	3.6	21.1	-1.9	6.0
	Aug	1.6	4.5	1.6	15.4	-2.6	-1.7
	Sep	0.1	0.3	1.3	4.1	-3.6	1.9
	Oct	0.2	-1.0	1.7	-3.7	-2.1	0.7
	Nov	0.5	-1.6	1.4	-7.2	-0.9	7.9
	Dec	-	0.3	-1.1	-5.0	0.6	12.5
2022	Jan	0.2	3.5	-1.9	-2.6	1.6	3.2

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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							
2019							
Nov	0.4	0.6	1.7	-1.7	-1.9	-2.5	1.9
Dec	0.5	0.7	1.9	-1.1	-1.8	-2.1	1.6
2020							
Jan	0.8	0.4	-1.8	0.4	-3.5	-2.0	2.1
Feb	1.5	-1.0	-4.5	0.5	-4.7	0.4	2.3
Mar	-2.3	-5.4	-7.5	-1.6	-9.3	-6.4	0.7
Apr	-18.4	-14.8	-13.4	-12.8	-21.6	-28.7	-11.0
May	-28.8	-21.3	-15.5	-20.1	-30.8	-50.1	-20.7
Jun	-27.0	-20.4	-14.5	-22.5	-28.6	-52.0	-22.9
Jul	4.6	-4.0	-0.2	-4.2	-2.5	-18.8	-6.0
Aug	32.3	11.8	7.4	14.1	22.2	41.4	12.6
Sep	38.6	18.9	13.4	25.9	29.6	76.9	22.4
Oct	17.2	12.7	8.1	17.4	14.5	46.2	14.6
Nov	7.2	8.6	6.6	8.7	8.9	24.6	6.8
Dec	4.2	5.6	1.3	1.1	8.8	13.2	3.8
2021							
Jan	2.5	2.2	-1.6	-1.0	6.8	3.7	3.4
Feb	0.6	-1.8	-3.4	-1.1	3.1	-3.9	4.1
Mar	1.2	-2.8	0.3	4.3	1.3	-7.4	3.3
Apr	4.0	-1.4	0.8	5.0	4.2	-4.4	2.6
May	5.3	2.2	0.2	4.8	7.8	-7.7	2.2
Jun	2.6	3.3	-1.2	1.3	7.1	-9.9	4.6
Jul	-2.2	2.1	-0.7	-0.3	3.2	-13.5	4.2
Aug	-4.2	-0.7	-0.3	-2.3	-0.3	-5.0	3.5
Sep	-3.4	-1.7	-1.9	-2.7	-1.4	-0.6	0.1
Oct	-1.7	-1.0	-2.7	-3.5	-3.6	1.6	-0.8
Nov	0.1	1.3	-2.6	-3.5	-4.6	-3.3	-1.4
Dec	0.1	2.3	-0.7	-3.9	-8.0	-2.2	-1.3
2022							
Jan	3.2	4.6	1.9	-1.7	-3.1	-0.5	-0.6

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