

Statistical bulletin

Index of Production, UK: October 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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1. Main points

- Production output growth for August to October 2023 fell by 0.7% when compared with May to July 2023.
- In the three months to October 2023, there were falls in "manufacturing" (0.9%) and "electricity and gas" (0.5%); these were partially offset by rises in "mining and quarrying' (1.2%) and "water supply and sewerage" (0.1%).
- Monthly production output is estimated to have fallen 0.8% in October 2023; this follows no growth (0.0%) in September 2023.
- The monthly decrease in output for October 2023 resulted from a decline in two of the four production sectors, with "manufacturing" being the main contributor to the monthly fall (1.1%) and "electricity and gas" providing a smaller contribution (1.8%); this was partially offset by rises in "water supply and sewerage" (1.6%) and "mining and quarrying" (0.2%).
- Monthly manufacturing output decreased by 1.1%, with decreases in 10 of its 13 sub-sectors during October 2023; the largest contributing sub-sections to the monthly fall were "manufacture of machinery and equipment" and "manufacture of computer, electronic and optical products", which decreased 3.0% and 2.5%, respectively.
- Further analysis of the effect on our monthly Index of Production (IoP) estimate is available in our <u>Gross</u> <u>domestic product (GDP) monthly estimate, UK: October 2023 bulletin</u>, published 13 December 2023.

2. Index of Production data

Index of Production time series

Dataset DIOP | Released 13 December 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 13 December 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 13 December 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 13 December 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 13 December 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<u>Related data page</u>.

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, seeour<u>VAT turnover data in National Accounts:</u> background and methodology article.

A comprehensive list of the IoP source data can be found in our<u>Gross domestic product (GDP) data sources</u> catalogue (XLS, 1.9MB).

Response Rates for October 2023

For October 2023, the response rates were 73.2%, based on forms returned. This accounted for 84.9% of total turnover coverage of the sample population. Historical information can be found in our <u>loP response rates</u> dataset.

Quality and methodology

More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in our<u>UK Index of Production Quality and Methodology Information (QMI)</u>.

Additional bank holiday in May 2023 for the Coronation of King Charles III

There was an additional bank holiday for the coronation of King Charles III on Monday 8 May 2023. While adjustments are made for regular calendar effects, there was no explicit adjustment for this event. However, the timing of the bank holiday indirectly affects the number of trading days, which could affect GDP estimates positively or negatively, depending on the sector. This should be taken into account when interpreting monthly, and three-month movements over recent months since May 2023.

Revisions to IoP

In line with the <u>National Accounts revision policy</u>, this release gives data for October 2023 only. There are no previous periods open for revision.

In the next IoP release due to be published on 12 January 2024, revisions will be seen back to January 2022 in the dataset. This is to incorporate revisions that will be published as part of the <u>Quarterly National Accounts</u> release, due to be published on 22 December 2023.

Updates to monthly GDP methods and data sources in Blue Book 2023

A number of changes have been made to the methods and data sources used in compiling monthly gross domestic product (GDP) and the output approach to measuring GDP estimates as part of <u>Blue Book 2023</u>.

For further information on the updates, please see <u>Section 9: Measuring the data of our GDP monthly estimate</u>, <u>UK: October 2023 bulletin</u>.

Office for Statistics Regulation (OSR) review of GDP

The OSR completed a <u>review of the practices around the preparation and release of information about revisions</u> to estimates of GDP in our <u>Impact of Blue Book 2023 article</u> released on 1 September 2023. This will cover the processes and quality assurance in making revisions to GDP and the potential improvements to early estimates of GDP enabled through enhanced access to data. It will also cover the communication of:

- revisions to GDP
- the story behind the most recent set of revisions in particular
- uncertainty in early estimates of GDP

The ONS has already started looking into the <u>recommendations of this review</u> and will set out plans more fully during January 2024.

4. Related links

GDP monthly estimate, UK: October 2023

Bulletin | Released 13 December 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: October 2023

Bulletin | Released 13 December 2023 Movements in the volume of output for the UK services industries. Figures are seasonally adjusted.

Producer price inflation, UK: October 2023

Bulletin | Released 15 November 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).

<u>UK manufacturers' sales by product: 2022 results</u> Bulletin | Released 24 July 2023 Estimates for UK manufacturers' sales by product (ProdCom) for 2022.

Energy Trends and Prices: monthly data

Web page | Last updated 30 November 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 13 December 2023, ONS website, statistical bulletin, <u>Index of</u> <u>Production, UK: October 2023</u>



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



Output of the Production Industries, October 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 Percentage change, latest month on previous month Percentage change, latest 3 months on same 3 months a year ago Page 2 Percentage change, latest 3 months on previous 3 months Page 3 Output by Manufacturing sub-sectors part 1 Page 4 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 Percentage change, latest month on previous month part 1 Percentage change, latest 3 months on same 3 months a year ago Page 6 Percentage change, latest month on previous month part 2 Page 7 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

			Broad ind	ustry groups				Mai	n industrial group	Seasonally adjus	
	Production	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	77.3	721.6	110.9	90.2	64.3	66.2	197.8	264.2	243.7	219.2
5	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2018	98.3	98.2	99.5	89.0	99.8	99.2	99.6	97.8	103.1	96.0	95.4
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	102.3	100.1	102.2	105.0	101.6	100.5	101.1	104.7	101.7	102.2	101.7
2021	98.3	76.7	103.8	71.3	106.0	73.5	106.6	113.1	103.3	97.5	77.0
2022	94.9	76.1	100.4	63.1	106.2	73.3	107.6	112.8	97.8	93.3	72.5
2022 Q3	93.9	76.4	99.2	62.5	105.5	72.6	109.2	111.4	96.7	92.3	71.9
Q4	93.9	71.9	99.8	62.3	104.9	68.5	107.0	114.4	98.2	90.0	69.9
2023 Q1	94.0	67.2	100.3	62.7	105.8	63.0	109.4	112.7	100.3	90.3	68.8
Q2	95.2	66.4	102.1	62.4	104.7	62.4	110.6	113.6	104.7	90.0	68.9
Q3	95.2	66.8	102.2	62.7	103.8	63.2	107.6	115.5	104.9	89.1	68.8
2022 Aug	93.6	74.0	99.0	62.1	105.8	69.5	111.4	109.8	96.8	92.7	70.9
Sep	93.7	74.4	99.0	62.8	105.4	70.3	107.6	112.4	96.5	91.4	71.1
Oct	94.0	72.5	100.1	61.5	103.7	68.7	106.2	116.4	97.1	90.7	69.7
Nov	93.9	74.5	99.5	61.6	105.3	71.6	107.3	113.1	98.3	90.0	70.3
Dec	93.9	68.8	99.7	63.9	105.7	65.1	107.4	113.7	99.2	89.4	69.7
2023 Jan	93.9	66.8	100.0	62.9	106.1	62.5	106.8	113.1	98.8	91.1	68.7
Feb	93.8	68.4	100.0	61.9	104.9	63.9	109.8	111.8	100.3	90.4	68.5
Mar	94.5	66.4	100.7	63.4	106.4	62.6	111.5	113.2	101.7	89.3	69.2
Apr	94.7	66.4	101.3	63.0	105.1	62.5	108.1	111.8	104.1	89.6	69.1
May	94.2	66.7	101.1	61.2	103.3	63.0	110.8	112.5	103.6	89.1	68.5
Jun	96.6	66.0	103.9	63.1	105.6	61.8	113.0	116.6	106.4	91.3	69.1
Jul	95.5	65.9	102.6	63.0	104.1	62.2	108.8	115.7	105.7	89.3	68.8
Aug	95.0	68.0	101.9	62.7	102.9	64.5	105.9	115.1	104.1	89.5	69.0
Sep	95.1	66.4	102.0	62.4	104.4	62.9	108.0	115.6	105.0	88.6	68.5
Oct	94.3	66.6	100.9	61.3	106.1	62.7	106.1	114.6	104.0	87.3	68.0
Percentage cha	nge, latest year o	on previous ye	ar								
2018	3.1	7.0	4.3	-5.3	1.2	7.1	1.9	8.7	2.8	3.5	-0.8
2019	1.7	1.8	0.5	12.4	0.2	0.8	0.4	2.3	-3.0	4.1	4.8
2020	2.3	0.1	2.2	5.0	1.6	0.5	1.1	4.7	1.7	2.2	1.7
2021	-3.9	-23.4	1.6	-32.1	4.4	-26.8	5.5	8.0	1.5	-4.6	-24.2
2022	-3.5	-0.7	-3.3	-11.6	0.2	-1.7	0.9	-0.3	-5.3	-4.3	-5.8
Percentage char	nge, latest mont	h on same moi	nth a year ago								
2021 Aug	-9.5	-15.1	-5.6	-41.2	2.2	-16.0	-1.3	3.5	-8.1	-12.2	-25.1
Sep	-10.8	-14.8	-7.5	-41.7	2.3	-15.9	-1.3	5.6	-12.5	-13.2	-25.9
Oct	-11.4	-17.5	-8.3	-41.7	3.0	-20.2	-8.0	10.0	-18.1	-11.9	-26.8
Nov	-10.2	-17.0	-7.5	-37.4	2.7	-20.8	-5.1	9.1	-15.9	-11.2	-24.3
Dec	-8.6	-21.6	-5.0	-33.7	-0.4	-27.0	5.5	14.1	-13.1	-11.0	-24.4
2022 Jan	-5.8	-13.1	-3.1	-28.9	1.8	-17.9	2.8	4.3	-7.9	-4.4	-17.9
Feb	-5.2	-5.5	-3.5	-24.8	0.8	-8.6	-0.7	5.2	-10.2	-4.8	-13.0
Mar	-5.0	-5.8	-3.7	-21.3	0.6	-9.4	3.8	1.5	-9.2	-3.6	-10.8
Apr	-3.7	12.4	-3.9	-19.2	3.1	14.7	-3.4	2.4	-9.4	-4.8	-3.9
May	-3.3	11.3	-3.1	-19.0	0.8	12.9	-1.3	-2.4	-5.1	-2.7	-5.6
Jun	-3.1	21.7	-4.1	-12.6	0.3	28.9	-0.7	0.4	-5.9	-6.5	-0.5
Jul	-2.4	12.6	-3.5	-3.6	-1.6	14.2	0.2	-2.2	-5.0	-2.4	1.5
Aug	-3.5	-12.9	-3.4	-0.1	-0.2	-17.4	5.6	-3.5	-5.1	-1.2	-6.5
Sep	-2.3	-7.3	-3.0	4.8	1.2	-10.2	1.0	-0.4	-4.5	-3.1	-2.4
Oct	-1.2	-6.2	-1.1	5.1	-3.0	-7.7	4.3	0.2	1.4	-4.9	-1.8
Nov	-2.8	0.8	-3.6	0.6	-1.2	2.8	-	-2.2	-1.6	-7.1	-1.4
Dec	-2.9	-6.2	-3.4	0.9	-0.6	-5.4	-0.3	-5.3	0.1	-5.5	-3.1
2023 Jan	-2.7	-13.4	-2.1	-2.4	-0.9	-13.3	-2.2	1.4	-0.9	-6.7	-7.3
Feb	-2.5	-11.3	-1.7	-3.9	-1.8	-12.2	2.1	-1.5	2.2	-5.7	-7.6
Mar	-1.6	-14.7	-0.8	0.3	-0.4	-14.1	3.2	1.4	3.4	-7.4	-6.3
Apr	-1.2	-16.0	0.3	-1.4	-3.4	-17.1	3.4	-1.3	7.5	-5.8	-8.1
May	-2.0	-16.1	-0.6	-3.5	-2.8	-16.9	4.9	-1.1	5.8	-6.8	-7.9
Jun	1.8	-14.9	3.8	0.5	-1.9	-17.2	5.2	3.9	9.2	-1.3	-5.7
Jul	1.1	-18.5	3.1	0.7	-1.1	-20.3	0.3	3.3	9.3	-3.6	-6.6
Aug	1.5	-8.2	3.0	0.9	-2.7	-7.2	-4.9	4.9	7.5	-3.5	-2.7
Sep	1.5	-10.6	3.0	-0.7	-1.0	-10.5	0.4	2.9	8.8	-3.1	-3.6
Oct	0.4	-8.1	0.8	-0.3	2.2	-8.8	-0.1	-1.5	7.1	-3.7	-2.4

1 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding. $^{\dagger}\,$ indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.



			Broad ind	ustry groups				Ma	in industrial group	ings	
	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	Energ
Section	B+C+D+E	В	С	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRC
_atest weight	1 000.0	77.3	721.6	110.9	90.2	64.3	66.2	197.8	264.2	243.7	219.2
0	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K241
Percentage cha	nge, latest mont	h on previous	month								
2021 Aug Sep	0.1 -1.1	18.4 -5.6	-0.6 -0.4	-4.3 -3.6	-0.9 -1.7	23.2 -7.0	-2.5 1.1	-0.6 -0.8	0.2 -0.9	-1.1 0.5	4.
Oct	-0.8	-3.7	-0.4	-2.5	2.6	-4.9	-4.5	3.0	-5.4	1.0	-2.
Nov Dec	1.5 0.2	-4.4 -0.8	1.9	4.7 3.3	-0.4 -0.2	-6.5 -1.2	5.4 0.3	-0.5 3.9	4.4 -0.8	1.7 -2.4	0. 0.
:022 Jan	-0.3	-0.0	-1.1	1.8	0.6	4.7	1.3	-7.1	0.5	3.2	3.
Feb	-0.3	-	-0.3	-0.1	-0.2	1.0	-1.4	1.8	-1.5	-1.8	0.
Mar Apr	-0.3 -0.1	0.8 1.6	-0.2 -0.6	-1.8 1.0	0.1 1.8	0.1 3.3	0.4 -3.2	-1.6 1.4	0.2 -1.6	0.6 -1.3	-0 1.9
May	0.3	0.6	-0.0	-0.6	-2.3	0.7	-3.2	0.5	-1.0	0.4	-1.3
Jun	-1.3	-2.5	-1.6	-1.0	1.3	-1.5	1.7	-1.4	-0.5	-3.2	-1.
Jul Aug	-0.4 -1.0	4.3 -8.5	-0.5 -0.5	-0.3 -0.7	-2.2 0.5	4.5 -10.9	1.0 2.7	-0.3 -1.9	-0.8 0.1	0.1 0.1	0.4 -3.6
Sep	0.1	0.4	-	1.1	-0.4	1.1	-3.4	2.4	-0.4	-1.4	0.3
Oct	0.4	-2.5	1.1	-2.2	-1.6	-2.2	-1.3	3.6	0.6	-0.8	-1.
Nov Dec	-0.1	2.7 -7.7	-0.6 0.3	0.2 3.7	1.5 0.4	4.2 -9.1	1.1	-2.8 0.6	1.3 1.0	-0.7 -0.7	0. -0.
.023 Jan	-	-2.9	0.3	-1.5	0.4	-4.0	-0.6	-0.6	-0.5	1.9	-1.
Feb Mar	-0.1	2.4	- 0.7	-1.6	-1.1	2.3	2.9	-1.2	1.6	-0.8	-0.
Apr	0.7 0.3	-3.0	0.7	2.5 -0.6	1.5 -1.2	-2.1 -0.2	1.6 -3.1	1.3 -1.3	1.4 2.3	-1.1 0.3	1. -0.
May	-0.5	0.4	-0.2	-2.8	-1.7	0.9	2.5	0.6	-0.4	-0.6	-1.
Jun	2.5	-1.1	2.7	3.1	2.2	-1.9	2.0	3.7	2.6	2.5	1.0
Jul Aug	-1.1 -0.5	-0.1 3.1	-1.3 -0.7	-0.1 -0.5	-1.4 -1.2	0.7 3.7	-3.7 -2.6	-0.8 -0.5	-0.6 -1.5	-2.2 0.2	-0.5 0.4
Sep Oct	-0.8	-2.2 0.2	0.1 -1.1	-0.5 -1.8	1.4 1.6	-2.5 -0.4	2.0 -1.8	0.4 -0.9	0.8 -1.0	-1.0 -1.5	-0.7 -0.7
						0.1		0.0			0
-	nge, latest 3 mo		-	-	10			5.0			
2021 Aug Sep	-6.6 -9.3	-29.7 -21.0	-0.3 -4.9	-38.7 -41.2	4.8 3.6	-33.2 -22.9	6.7 0.9	5.6 4.9	-0.1 -7.5	-8.0 -11.7	-28.9 -27.4
Oct	-10.6	-15.8	-7.1	-41.5	2.5	-17.3	-3.6	6.3	-13.0	-12.4	-25.9
Nov Dec	-10.8 -10.1	-16.4 -18.7	-7.7 -6.9	-40.3 -37.7	2.6 1.7	-18.9 -22.7	-4.8 -2.7	8.2 11.0	-15.5 -15.7	-12.1 -11.4	-25.1 -25.2
2022 Jan	-8.3	-17.3	-5.2	-33.4	1.4	-22.0	0.9	9.1	-12.4	-8.9	-22.3
Feb	-6.6	-13.8	-3.9	-29.3	0.7	-18.3	2.4	7.8	-10.5	-6.8	-18.
Mar Apr	-5.3 -4.6	-8.3 -0.2	-3.4 -3.7	-25.2 -21.9	1.0 1.5	-12.1 -2.1	1.9 -0.2	3.6 3.0	-9.1 -9.6	-4.3 -4.4	-14. -9.
May	-4.0	-0.2	-3.6	-19.8	1.5	-2.1	-0.2	0.4	-9.0	-4.4	-6.
Jun	-3.4	14.9	-3.7	-17.1	1.4	18.4	-1.8	0.1	-6.8	-4.6	-3.4
Jul Aug	-2.9 -3.0	15.0 5.4	-3.6 -3.7	-12.2 -5.8	-0.2 -0.5	18.2 5.6	-0.6 1.7	-1.4 -1.8	-5.3 -5.3	-3.9 -3.4	-1.0 -1.9
Sep	-2.8	-3.3	-3.3	0.2	-0.2	-5.6	2.2	-2.1	-4.9	-2.2	-2.
Oct	-2.4 -2.1	-8.9	-2.5	3.2	-0.7	-12.0	3.6	-1.3	-2.8	-3.1	-3.
Nov Dec	-2.1	-4.4 -3.9	-2.6 -2.7	3.4 2.1	-1.0 -1.6	-5.3 -3.5	1.7 1.3	-0.8 -2.5	-1.6	-5.0 -5.8	-1.8 -2.1
2023 Jan	-2.8	-6.4	-3.0	-0.3	-0.9	-5.4	-0.8	-2.1	-0.8	-6.4	-4.
Feb Mar	-2.7 -2.2	-10.4 -13.1	-2.4 -1.5	-1.8 -2.0	-1.1 -1.0	-10.4 -13.2	-0.1 1.0	-1.9 0.4	0.5 1.6	-6.0 -6.6	-6. -7.
Apr	-2.2	-13.1	-0.7	-2.0	-1.9	-13.2	2.9	-0.5	4.3	-6.3	-7.
May	-1.6	-15.6	-0.4	-1.5	-2.2	-16.0	3.8	-0.3	5.5	-6.7	-7.4
Jun	-0.5	-15.7	1.2	-1.5	-2.7	-17.1	4.5	0.5	7.5	-4.6	-7.
Jul Aug	0.3 1.5	-16.6 -14.0	2.1 3.3	-0.8 0.7	-1.9 -1.9	-18.2 -15.2	3.4 0.1	2.0 4.0	8.1 8.7	-3.9 -2.8	-6. -5.
Sep	1.4 1.1	-12.6 -9.0	3.0 2.3	0.3	-1.6 -0.5	-12.9 -8.8	-1.4 -1.6	3.7	8.5 7.8	-3.4 -3.4	-4. -2.
Oct											

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

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



			Broad ind	ustry groups				Ma	in industrial group	oings	
	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	В	С	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
_atest weight	1 000.0	77.3	721.6	110.9	90.2	64.3	66.2	197.8	264.2	243.7	219.2
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
Percentage cha	nge, latest 3 mo	nths on previo	ous 3 months ²								
2021 Aug	-2.7	-1.7	-1.7	-16.3	1.0	-1.3	0.8	0.8	-3.5	-3.5	-7.4
Sep	-2.4	15.4	-2.1	-18.4	-0.3	21.0	-0.9	0.6	-2.8	-4.7	-4.1
Oct	-2.1	17.2	-2.2	-16.0	-0.8	22.5	-2.9	-	-3.2	-2.9	-2.3
Nov	-1.4	4.9	-1.2	-9.7	-0.8	5.6	-1.9	1.3	-3.5	-0.4	-3.1
Dec	-0.5	-5.3	-0.1	-2.2		-7.8	-1.1	3.1	-3.3	1.3	-3.2
2022 Jan	0.6	-7.5	0.9	4.6	0.9	-11.2	3.3	1.3	-	2.0	-1.1
Feb	0.6	-1.7	0.2	6.9	0.8	-3.9	2.7	0.1	0.1	0.5	2.4
Mar	-	3.4	-0.7	4.9	0.3	2.3	2.5	-4.3	0.5	1.1	3.7
Apr	-0.6	4.3	-1.4	1.3		5.0	-1.2	-2.5	-1.8	-0.6	2.8
May	-0.5	3.9	-0.9	-0.8	0.6	4.9	-1.9	-1.9	-1.3	-0.3	1.5
Jun	-0.6	1.8	-0.9	-1.0	0.6	3.7	-2.2	0.8	-1.4	-2.3	0.3
Jul	-0.9	1.7	-1.0	-1.4	-1.0	3.4	0.4	-0.1	-0.5	-2.4	-0.9
Aug	-1.7	-1.7	-1.9	-1.5		-0.8	2.8	-1.4	-0.7	-3.3	-2.5
Sep	-1.8	-2.9	-1.7	-1.3	-1.9	-3.5	3.1	-1.5	-0.7	-2.3	-3.3
Oct	-1.5	-7.2	-1.1	-1.3		-8.8	1.2	0.1	-0.6	-2.1	-4.3
Nov	-0.5	-4.8	-	-0.9	-1.4	-5.3	-1.9	2.3	0.3	-2.0	-3.1
Dec	-	-5.9	0.6	-0.3		-5.7	-2.0	2.7	1.6	-2.4	-2.7
2023 Jan	0.1	-4.9	0.4	1.0	0.7	-4.5	-1.2	0.4	2.0	-1.6	-1.5
Feb	-	-7.8	0.4	1.4	0.7	-9.0	0.9	-0.9	2.2	-0.5	-2.0
Mar	0.1	-6.6	0.5	0.6	0.8	-8.0	2.3	-1.5	2.1	0.3	-1.6
Apr	0.5	-4.2	0.9	-0.1	-0.2	-5.1	2.5	-0.9	3.3	-0.4	-0.8
May	0.6	-2.2	1.1	-0.5		-1.8	2.0	-0.3	3.7	-1.0	-
Jun	1.2	-1.2	1.9	-0.4	-1.1	-0.9	1.1	0.8	4.4	-0.3	0.2
Jul	1.2	-1.3	1.9	-0.4	-1.1	-1.0	0.9	2.4	3.1	0.2	-0.2
Aug	1.3	0.2	1.7	0.7	-0.7	0.3	-0.8	2.9	2.2	0.8	
Sep	-	0.6	0.1	0.4	-0.8	1.3	-2.8	1.6	0.2	-1.0	-0.2
Oct	-0.7	1.2	-0.9	-0.5	0.1	1.6	-3.7	0.1	-0.9	-1.6	-0.4

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

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

	Fred 1.1	Taratil			<u> </u>	Basic
	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	pharmaceutica products and preparations
Section	CA	СВ	CC	CD	CE	CF
Latest weight	115.8	23.9	48.0	12.6	44.2	49.8
Latoot worght	K22B	K22P	K22T	K22X	K22Z	K239
2018	99.9	88.9	98.1	123.0	87.3	94.6
2019	100.0	100.0	100.0	100.0	100.0	100.0
2020 2021	103.4 114.4	66.7 119.2	89.3 92.5	85.6 82.4	101.9 90.8	120.2 121.9
2022	116.8	127.3	88.3	87.3	86.9	116.3
2022 Q3 Q4	116.3 115.1	127.4 125.4	87.1 84.4	80.8 81.1	85.6 80.9	111.7 129.1
2023 Q1	115.2	122.5	82.8	85.3	80.4	121.5
Q2	115.7	120.8	83.0	89.7	78.7	125.0
Q3	117.1	119.0	83.7	83.5	79.7	128.0
2022 Aug	116.9	128.0	86.7	81.6	86.8	104.1
Sep Oct	114.9 115.1	127.5 124.9	85.5 85.7	79.9 81.3	84.8 83.2	120.0 135.7
Nov	115.6	125.3	84.2	81.7	80.8	123.6
Dec	114.7	125.8	83.3	80.5	78.8	128.1
2023 Jan	115.3	125.4	83.2	82.8	82.2	121.1
Feb Mar	115.4 115.0	122.1 119.9	82.6 82.6	84.4 88.6	79.5 79.5	118.9 124.4
Apr	114.2	118.8	83.5	90.2	78.6	121.9
May Jun	115.7 117.3	119.8 123.9	82.0 83.5	91.4 87.5	78.1 79.5	121.4 131.8
Jul	117.1	117.8	84.4	83.9	79.7	128.6
Aug Sep	116.6 117.6	119.7 119.6	84.0 82.6	84.4 82.2	79.1 80.2	128.0 127.4
Oct	117.7	115.9	81.9	82.2	78.3	125.9
Percentage cha	ange, latest year o	n previous yeaı				
2018 2019	13.0 0.1	1.8 12.5	4.0 1.9	-14.9 -18.7	9.0 14.5	2.9 5.7
2020	3.4	-33.3	-10.7	-14.4	1.9	20.2
2021 2022	10.7 2.1	78.6 6.8	3.7 -4.6	-3.7 5.9	-10.9 -4.3	1.4 -4.6
		on same month a y		0.0	4.0	4.0
2021 Aug	8.5	78.8	-1.7	14.7	-14.4	-6.4
Sep	8.1	80.0	0.7	-4.3	-15.0	-1.8
Oct Nov	9.2 9.1	74.8 65.4	4.6 -0.8	-1.0 7.4	-12.6 -12.9	11.7 10.9
Dec	8.5	47.9	-0.9	5.3	-4.2	27.5
2022 Jan Feb	10.6 8.1	46.9 35.0	0.9 1.2	16.0 28.2	0.9 -0.6	-10.0 -1.9
Mar	7.0	22.1	1.0	34.0	1.5	-11.4
Apr	2.0	15.9	-6.1	23.8	-4.1	5.1
May Jun	2.2 0.3	6.1 -2.8	-4.6 -4.6	14.8 -4.2	0.4 -7.1	-11.6 1.2
Jul	0.8	1.6	-3.7	-6.9	-4.6	-10.1
Aug Sep	0.8 -1.1	0.2 -2.8	-3.8 -6.7	-6.4 -0.7	-1.1 -2.7	-14.0 3.3
Oct	-1.4	-5.4	-9.6	-1.0	-7.2	6.6
Nov Dec	-1.5 -1.5	-7.3 -2.8	-9.0 -9.7	-7.5 -6.9	-10.9 -15.7	-0.6 -9.2
2023 Jan	-1.9	-3.7	-9.8	-6.8	-14.8	11.8
Feb	-1.8 -2.6	-3.0 -7.5	-11.0 -10.6	-8.5 -8.3	-13.6 -12.2	1.9 15.5
Mar Apr	-2.0	-9.7	-7.6	-0.3	-12.2	9.2
May	-2.7	-6.8	-9.1	-6.1	-13.4	5.9
Jun	0.1	0.1	-4.2	-2.8	-6.5	15.9
Jul Aug	-0.1 -0.3	-6.9 -6.5	-5.2 -3.1	3.8 3.4	-6.4 -8.9	15.9 23.0
Sep	2.4	-6.2	-3.4	2.8	-5.4	6.2
Oct	2.3	-7.3	-4.5	1.2	-5.9	-7.2

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Chained volume indices of gross value added¹

						Seasonally adju	
	Rubber and plastic products and non-metallic	Basic metals and metal	Computer, electronic and	Electrical	Machinery and equipment not elsewhere	Transport	Other manufacturing
Section	mineral products CG	products CH	optical products Cl	equipment CJ	classified CK	equipment CL	and repai
		80.8	50.4	18.4	57.2	101.2	66.8
Latest weight	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2018	98.7	103.7	99.4	86.0	109.4	102.9	101.2
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	100.2	107.6	103.9	135.2	104.7	99.7	98.8
2021 2022	103.8 99.9	93.5 87.7	106.8 107.4	94.1 80.0	107.1 94.5	100.4 93.3	102.8 102.8
2022 Q3	99.1	86.5	109.2	79.0	92.5	90.8	103.2
Q4	97.5	84.6	108.6	78.1	92.1	94.4	103.2
2023 Q1	97.6	88.4	111.4	77.1	93.1	96.4	105.4
Q2 Q3	94.6 86.6	90.1 92.6	113.9 111.9	80.4 85.8	92.7 92.7	105.0 107.4	107.5 104.1
2022 Aug Sep	99.6 97.3	86.7 86.0	111.4 108.6	79.9 79.0	92.4 91.4	89.8 90.9	104.1 102.4
Oct	97.3 98.2	84.9	108.6	79.0	91.4	90.9 93.0	102.4
Nov Dec	96.8 97.5	84.9 84.1	108.8 109.7	78.0 77.5	91.8 93.5	94.8 95.4	102.0 103.4 103.8
2023 Jan	99.1	88.0	108.4	80.8	92.4	94.5	105.0
Feb	98.5	87.9	111.8	74.6	93.8	96.3	105.4
Mar	95.2	89.3	114.1	75.9	93.2	98.3	105.9
Apr May	94.5 93.4	89.2 89.9	109.8 114.5	79.6 77.2	94.6 92.1	103.9 102.7	108.4 106.6
Jun	95.9	91.2	117.4	84.5	91.5	108.3	100.0
		92.3	113.4	86.0	93.7	106.8	106.2 103.1
Jul	88.0 87.0		100.7	85.1	010		
Jul Aug Sep	87.0 84.8	93.1 92.3	109.7 112.7	85.1 86.4	91.0 93.4	108.2 107.3	103.1
Aug	87.0	93.1					
Aug Sep Oct	87.0 84.8	93.1 92.3 91.0	112.7	86.4	93.4	107.3	102.9
Aug Sep Oct Percentage of 2018	87.0 84.8 82.9 change, latest year or 5.2	93.1 92.3 91.0 • previous year 0.3	112.7 109.9 1.0	86.4 84.0 -0.5	93.4 90.6 10.1	107.3 107.7 -1.5	102.9 102.6 4.7
Aug Sep Oct Percentage of 2018 2019	87.0 84.8 82.9 change, latest year or	93.1 92.3 91.0 • previous year	112.7 109.9	86.4 84.0	93.4 90.6	107.3 107.7	102.9 102.6
Aug Sep Oct Percentage of 2018 2019 2020 2021	87.0 84.8 82.9 change, latest year or 5.2 1.3	93.1 92.3 91.0 • previous year 0.3 -3.6	112.7 109.9 1.0 0.6	86.4 84.0 -0.5 16.3	93.4 90.6 10.1 -8.6	107.3 107.7 -1.5 -2.8	102.9 102.6 4.7 -1.2
Aug Sep Oct Percentage (2018 2019 2020 2021 2022	87.0 84.8 82.9 change, latest year or 5.2 1.3 0.2 3.6	93.1 92.3 91.0 • previous year 0.3 -3.6 7.6 -13.1 -6.2	112.7 109.9 1.0 0.6 3.9 2.8 0.5	86.4 84.0 16.3 35.2 -30.4	93.4 90.6 10.1 -8.6 4.7 2.3	107.3 107.7 -1.5 -2.8 -0.3 0.6	102.9 102.6 4.7 -1.2 -1.2
Aug Sep Oct Percentage (2018 2019 2020 2021 2022 Percentage (2021 Aug	87.0 84.8 82.9 change, latest year or 5.2 1.3 0.2 3.6 -3.8 change, latest month -7.9	93.1 92.3 91.0 • previous year 0.3 -3.6 7.6 -13.1 -6.2 • on same month a -19.2	112.7 109.9 1.0 0.6 3.9 2.8 0.5 a year ag (-3.3	86.4 84.0 -0.5 16.3 35.2 -30.4 -15.0 -47.8	93.4 90.6 10.1 -8.6 4.7 2.3 -11.8	107.3 107.7 -1.5 -2.8 -0.3 0.6 -7.0	102.9 102.6 4.7 -1.2 -1.2 4.0 - -2.1
Aug Sep Oct Percentage of 2018 2020 2021 2022 Percentage of 2021 Aug Sep	87.0 84.8 82.9 change, latest year or 5.2 1.3 0.2 3.6 -3.8 change, latest month -7.9 -7.2	93.1 92.3 91.0 • previous year 0.3 -3.6 -7.6 -13.1 -6.2 on same month a -19.2 -23.3	112.7 109.9 1.0 0.6 3.9 2.8 0.5 a year ag (-3.3 -3.8	86.4 84.0 -0.5 16.3 35.2 -30.4 -15.0 -47.8 -46.1	93.4 90.6 10.1 -8.6 4.7 2.3 -11.8 -13.0 -14.9	107.3 107.7 -1.5 -2.8 -0.3 0.6 -7.0 -9.4 -19.1	102.9 102.6 4.7 -1.2 4.0 - 2.1 -1.6
Aug Sep Oct Percentage (2018 2020 2021 2022 Percentage (2021 Aug	87.0 84.8 82.9 change, latest year or 5.2 1.3 0.2 3.6 -3.8 change, latest month -7.9	93.1 92.3 91.0 • previous year 0.3 -3.6 7.6 -13.1 -6.2 • on same month a -19.2	112.7 109.9 1.0 0.6 3.9 2.8 0.5 a year ag (-3.3	86.4 84.0 -0.5 16.3 35.2 -30.4 -15.0 -47.8	93.4 90.6 10.1 -8.6 4.7 2.3 -11.8	107.3 107.7 -1.5 -2.8 -0.3 0.6 -7.0	102.9 102.6 4.7 -1.2 -1.2 4.0 - -2.1
Aug Sep Oct 2018 2019 2020 2021 2022 Percentage of 2021 2022 Percentage of Sep Oct	87.0 84.8 82.9 change, latest year or 5.2 1.3 0.2 3.6 -3.8 change, latest month -7.9 -7.2 -5.4	93.1 92.3 91.0 • previous year 0.3 -3.6 -13.1 -6.2 • on same month a -19.2 -23.3 -24.8	112.7 109.9 1.0 0.6 3.9 2.8 0.5 a year ag: -3.3 -3.8 -10.5	86.4 84.0 -0.5 16.3 35.2 -30.4 -15.0 -47.8 -46.1 -43.7	93.4 90.6 10.1 -8.6 4.7 2.3 -11.8 -13.0 -14.9 -30.6	107.3 107.7 -1.5 -2.8 -0.3 0.6 -7.0 -9.4 -19.1 -22.0	102.9 102.6 4.7 -1.2 -1.2 4.0 - -2.1 -2.1 -1.6 -0.5
Aug Sep Oct Percentage (2018 2020 2021 2022 Percentage (2021 2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2022 2022 203	87.0 84.8 82.9 change, latest year or 5.2 1.3 0.2 3.6 -3.8 change, latest month -7.9 -7.2 -5.4 -4.2 -9.1 -4.0	93.1 92.3 91.0 • previous year 0.3 -3.6 -13.1 -6.2 • on same month a -19.2 -23.3 -24.8 -21.9 -22.8 -13.3	112.7 109.9 1.0 0.6 3.9 2.8 0.5 a year ag (-3.3 -3.8 -10.5 -5.8 8.1 2.7	86.4 84.0 -0.5 16.3 35.2 -30.4 -15.0 -47.8 -46.1 -43.7 -43.8 -28.4 -29.9	93.4 90.6 10.1 -8.6 4.7 2.3 -11.8 -13.0 -14.9 -30.6 -25.9 -30.1 -12.7	107.3 107.7 -1.5 -2.8 -0.3 0.6 -7.0 -9.4 -19.1 -22.0 -21.1 -16.4 -12.7	102.9 102.6 4.7 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -2.1 -2.1
Aug Sep Oct Percentage of 2018 2020 2021 2022 Percentage of 2021 2022 Percentage of 2021 2021 2021 2021 2022 Percentage of 2021 2021 2021 2022	87.0 84.8 82.9 change, latest year or 5.2 1.3 0.2 3.6 -3.8 change, latest month -7.9 -7.2 -5.4 -4.2 -9.1	93.1 92.3 91.0 • previous year 0.3 -3.6 -13.1 -6.2 on same month a -19.2 -23.3 -24.8 -21.9 -22.8	112.7 109.9 1.0 0.6 3.9 2.8 0.5 a year ag (-3.3 -3.8 -10.5 -5.8 8.1	86.4 84.0 -0.5 16.3 35.2 -30.4 -15.0 -47.8 -46.1 -43.7 -43.8 -28.4	93.4 90.6 10.1 -8.6 4.7 2.3 -11.8 -13.0 -13.0 -14.9 -30.6 -25.9 -30.1	107.3 107.7 -1.5 -2.8 -0.3 0.6 -7.0 -9.4 -19.1 -22.0 -21.1 -16.4	102.9 102.6 4.7 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2
Aug Sep Oct 2018 2019 2020 2021 2022 Percentage of 2021 2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2022 2021 2020 2021 2020 20	87.0 84.8 82.9 change, latest year or 5.2 1.3 0.2 3.6 -3.8 change, latest month -7.9 -7.2 -5.3 4.2 -9.1 -4.0 -5.6 -7.5 -3.8	93.1 92.3 91.0 • previous year 0.3 -3.6 7.6 -13.1 -6.2 on same month a -19.2 -23.3 -24.8 -21.9 -22.8 -13.3 -10.2 -8.7 -6.8	112.7 109.9 1.0 0.6 3.9 2.8 0.5 a year ag (-3.3 -3.8 -10.5 -5.8 8.1 2.7 -4.5 1.3 -6.6	86.4 84.0 -0.5 16.3 35.2 -30.4 -15.0 -47.8 -46.1 -43.7 -43.8 -28.4 -29.9 -28.8 -22.2 -21.9	93.4 90.6 10.1 -8.6 4.7 2.3 -11.8 -13.0 -14.9 -30.6 -25.9 -30.1 -12.7 -14.3 -18.5 -17.6	107.3 107.7 -1.5 -2.8 -0.3 0.6 -7.0 -9.4 -19.1 -22.0 -21.1 -16.4 -12.7 -15.4 -13.0 -8.4	102.9 102.6 4.7 -1.2 -1.2 -1.2 4.0 - -2.1 -2.1 -1.6 -0.5 -2.2 -3.2 -3.2 -2.7 0.5 2.2 -2.2
Aug Sep Oct 2018 2029 2021 2022 Percentage of 2021 2022 Percentage of 2021 2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2021 2020 2021 2022 2020 2021 2022 2020 2021 2022 2020 2021 2022 2020 2021 2022 2020 2020 2021 2022 2020 2021 2022 2020 2021 2022 2021 2022 2021 2022 2022 2021 2022 2022 2021 2022 2022 2022 2021 2022 2022 2021 2021 2020 2021 2	87.0 84.8 82.9 change, latest year or 5.2 1.3 0.2 3.6 -3.8 change, latest month -7.9 -7.2 -5.4 -4.2 -9.1 -4.0 -5.3	93.1 92.3 91.0 • previous year 0.3 -3.6 7.6 -13.1 -6.2 on same month a -19.2 -23.3 -24.8 -21.9 -22.8 -13.3 -10.2 -8.7	112.7 109.9 1.0 0.6 3.9 2.8 0.5 a year ag (-3.3 -3.8 -10.5 -5.8 8.1 2.7 -4.5 1.3	86.4 84.0 -0.5 16.3 35.2 -30.4 -15.0 -47.8 -46.1 -43.7 -43.8 -28.4 -29.9 -28.8 -22.2	93.4 90.6 10.1 -8.6 4.7 2.3 -11.8 -13.0 -14.9 -30.6 -25.9 -30.1 -12.7 -14.3 -18.5	107.3 107.7 -1.5 -2.8 -0.3 0.6 -7.0 -9.4 -19.1 -22.0 -21.1 -16.4 -12.7 -15.4 -13.0	102.9 102.6 4.7 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2
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Aug Sep Oct 2018 2019 2020 2021 2022 Perce-tage (2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2022 2021 2022 2022 2022 2022 2022 2022 2021 202 202	87.0 84.8 82.9 change, latest year or 5.2 1.3 0.2 3.6 -3.8 change, latest month -7.9 -7.2 -5.4 4.2 -9.1 4.0 -5.6 -7.3 4.5 1.7 -2.3 -0.7 -0.9 4.8 5.4 -9.0 -2.0 -1.9 -5.3	93.1 92.3 91.0 • previous year 0.3 -3.6 7.6 -13.1 -6.2 on same month a -19.2 -23.3 -24.8 -21.9 -22.8 -13.3 -10.2 -8.7 -6.8 -7.2 -9.3 -1.9 -1.9 -1.9 -1.6 -4.3 -4.3 -4.3 -2.2	112.7 109.9 1.0 0.6 3.9 2.8 0.5 a year ag: -3.3 -3.8 -10.5 -5.8 8.1 2.7 -4.5 1.3 -6.6 -4.1 -1.3 1.6 5.9 3.5 7.1 1.0 0.8 9 5.9 7.1	86.4 84.0 -0.5 16.3 35.2 -30.4 -15.0 -47.8 -46.1 -43.7 -43.8 -28.4 -29.9 -28.8 -28.4 -29.9 -28.8 -22.2 -21.9 -19.0 -10.7 -3.2 -3.4 -3.8 -3.4 -3.8 -8.6 -4.5 -9.1 -9.2	93.4 90.6 10.1 -8.6 4.7 2.3 -11.8 -13.0 -14.9 -30.6 -25.9 -30.1 -12.7 -14.3 -18.5 -17.6 -12.7 -12.1 -9.0 -11.1 -15.6 -1.7 -9.2 -3.4 -9.4 -3.8 -2.1	107.3 107.7 -1.5 -2.8 -0.3 0.6 -7.0 -9.4 -19.1 -22.0 -21.1 -16.4 -12.7 -15.4 -13.0 -21.1 -16.4 -12.7 -15.4 -13.0 -8.4 -1.1 -6.6 -8.0 0.11.0 -5.7 0.9 -0.3 0.3 3.3 4.0	102.9 102.6 4.7 -1.2 -1.2 -1.2 -1.2 -1.0 -1.6 -0.5 -2.2 -3.2 -2.7 -0.5 2.2 -2.2 -1.6 -1.3 -1.6 2.6 -1.3 -1.6 2.6 -1.3 -1.6 -1.3 -1.6 -1.3 -1.2 -3.2 -3.2 -3.2 -3.2 -3.2 -3.2 -3.2 -3
Aug Sep Oct 2018 2019 2020 2021 2022 Percentage of 2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2022 2022 2022 2022 2022 2022 2022 2022 2021 2020 2020 2020 2021 2020 2021 2020 2021 2020 2021 2020 2021 2020 2021 2020 2021 2020 2021 2020 2020 2021 2020 2021 2020 20	87.0 84.8 82.9 change, latest year or 5.2 1.3 0.2 3.6 -3.8 change, latest month -7.9 -7.2 -5.4 -4.2 -9.1 -4.0 -5.6 -7.3 -4.2 -9.1 -7.3 -4.2 -9.1 -7.2 -5.4 -4.2 -9.1 -7.2 -5.4 -4.2 -9.1 -7.2 -5.4 -4.2 -9.1 -7.3 -4.2 -9.1 -7.3 -4.2 -9.1 -7.3 -5.4 -4.2 -9.1 -7.3 -5.4 -4.2 -9.1 -7.3 -5.4 -4.2 -9.1 -7.3 -5.4 -7.3 -5.4 -7.3 -5.4 -7.3 -5.4 -7.3 -5.4 -7.3 -5.4 -7.3 -5.4 -7.3 -5.4 -7.3 -7.2 -5.4 -7.3 -4.2 -9.1 -7.2 -5.4 -7.3 -5.4 -7.3 -4.2 -9.1 -7.2 -5.4 -4.2 -9.1 -7.2 -5.4 -4.2 -9.1 -7.2 -5.4 -4.2 -9.1 -7.2 -5.4 -4.2 -9.1 -7.2 -5.4 -4.2 -9.1 -7.2 -5.4 -7.3 -4.2 -9.1 -7.2 -5.4 -7.3 -4.2 -9.1 -7.2 -5.4 -7.3 -5.6 -7.3 -5.6 -7.3 -5.6 -7.3 -5.7 -7.2 -5.4 -7.2 -5.4 -7.2 -5.4 -7.2 -5.4 -7.2 -5.4 -7.2 -5.4 -7.2 -5.4 -7.2 -5.4 -7.2 -5.4 -7.2 -5.4 -7.2 -5.4 -7.2 -5.4 -7.3 -7.2 -5.4 -7.3 -7.2 -5.4 -7.3 -7.2 -5.4 -7.3 -7.2 -5.4 -7.3 -7.2 -7.3 -7.3 -7.3 -7.2 -7.3 -7.3 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.2 -7.3 -7.2 -7.3 -7.2 -7.3 -7.2 -7.2 -7.3 -7.2 -7.2 -7.2 -7.3 -7.2 -7.2 -7.2 -7.2 -7.3 -7.2 -7.2 -7.2 -7.2 -7.2 -7.2 -7.2 -7.2	93.1 92.3 91.0 • previous year 0.3 -3.6 7.6 -13.1 -6.2 on same month -19.2 -23.3 -24.8 -21.9 -22.8 -13.3 -10.2 -8.7 -6.8 -13.3 -10.2 -8.7 -6.2 -13.3 -10.2 -2.19 -22.8 -13.3 -10.2 -2.19 -22.8 -13.3 -10.2 -3.4 -4.3 -2.7 -1.9 -1.6 -4.3 -4.3 -4.3 -2.8 -3.4 -3.4 -2.8 -3.4 -3.4 -3.4 -3.4 -3.4 -3.4 -3.4 -3.4	112.7 109.9 1.0 0.6 3.9 2.8 0.5 A year ag -3.3 -3.8 -10.5 -5.8 8.1 2.7 -4.5 1.3 -6.6 -4.1 -1.3 1.6 5.9 3.5 7.1 1.0 0.8 -0.9 5.9 3.5 7.1 1.0 0.8	86.4 84.0 -0.5 16.3 35.2 -30.4 -15.0 -47.8 -46.1 -43.7 -43.8 -28.4 -29.9 -28.8 -22.2 -21.9 -19.0 -10.7 -9.0 -2.7 -3.2 -3.4 -3.8 -8.6 -2.5 -9.1 -9.2 -1.2	93.4 90.6 10.1 -8.6 4.7 2.3 -11.8 -13.0 -14.9 -30.6 -25.9 -30.1 -12.7 -14.3 -18.5 -17.6 -12.7 -12.1 -9.0 -11.1 -15.6 -1.7 -9.2 -3.4 -9.4 -3.8 -2.1 1.1	107.3 107.7 -1.5 -2.8 -0.3 0.6 -7.0 -9.4 -19.1 -22.0 -21.1 -16.4 -12.7 -15.4 -13.0 -8.4 -1.1 -6.6 -8.0 -11.0 -5.7 0.9 0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3	102.9 102.6 4.7 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2
Aug Sep Oct 2018 2019 2020 2021 2022 Perce-tage (2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2022 2021 2022 2022 2022 2022 2022 2022 2021 202 202	87.0 84.8 82.9 change, latest year or 5.2 1.3 0.2 3.6 -3.8 change, latest month -7.9 -7.2 -5.4 4.2 -9.1 4.0 -5.6 -7.3 4.5 1.7 -2.3 -0.7 -0.9 4.8 5.4 -9.0 -2.0 -1.9 -5.3	93.1 92.3 91.0 • previous year 0.3 -3.6 7.6 -13.1 -6.2 on same month a -19.2 -23.3 -24.8 -21.9 -22.8 -13.3 -10.2 -8.7 -6.8 -7.2 -9.3 -1.9 -1.9 -1.9 -1.6 -4.3 -4.3 -4.3 -2.2	112.7 109.9 1.0 0.6 3.9 2.8 0.5 a year ag: -3.3 -3.8 -10.5 -5.8 8.1 2.7 -4.5 1.3 -6.6 -4.1 -1.3 1.6 5.9 3.5 7.1 1.0 0.8 9 5.9 7.1	86.4 84.0 -0.5 16.3 35.2 -30.4 -15.0 -47.8 -46.1 -43.7 -43.8 -28.4 -29.9 -28.8 -28.4 -29.9 -28.8 -22.2 -21.9 -19.0 -10.7 -3.2 -3.4 -3.8 -3.4 -3.8 -8.6 -4.5 -9.1 -9.2	93.4 90.6 10.1 -8.6 4.7 2.3 -11.8 -13.0 -14.9 -30.6 -25.9 -30.1 -12.7 -14.3 -18.5 -17.6 -12.7 -12.1 -9.0 -11.1 -15.6 -1.7 -9.2 -3.4 -9.4 -3.8 -2.1	107.3 107.7 -1.5 -2.8 -0.3 0.6 -7.0 -9.4 -19.1 -22.0 -21.1 -16.4 -12.7 -15.4 -13.0 -21.1 -16.4 -12.7 -15.4 -13.0 -8.4 -1.1 -6.6 -8.0 0.11.0 -5.7 0.9 -0.3 0.3 3.3 4.0	102.9 102.6 4.7 -1.2 -1.2 -1.2 -1.2 -1.0 -1.6 -0.5 -2.2 -3.2 -2.7 -0.5 2.2 -2.2 -1.6 -1.3 -1.6 2.6 -1.3 -1.6 2.6 -1.3 -1.6 -1.3 -1.6 -1.3 -1.2 -3.2 -3.2 -3.2 -3.2 -3.2 -3.2 -3.2 -3
Aug Sep Oct 2018 2019 2020 2021 2022 Percentage of 2021 2022 2021 2021 2022 2021 2022 2022 2022 2022 2022 2022 2022 2022 2022 2022 2022 2020 2021 2020 2021 2020 2020 2021 2020 2021 2020 2020 20	87.0 84.8 82.9 change, latest year or 5.2 1.3 0.2 3.6 -3.8 change, latest month -7.9 -7.2 -5.4 -4.2 -9.1 -4.0 -5.6 -7.3 -4.5 1.7 -2.3 -0.7 -0.9 -4.8 -5.1 1.7 -2.3 -0.7 -0.9 -4.8 -5.3 -7.1 -0.9 -5.3 -7.1 -0.9 -5.3 -7.1 -0.9 -5.3 -7.1 -0.9 -5.3 -7.1 -0.9 -5.3 -7.1 -0.9 -5.3 -7.1 -0.9 -5.0 -7.2 -5.4 -4.5 -7.3 -7.2 -5.4 -4.5 -7.3 -4.5 -7.3 -4.5 -7.3 -4.5 -7.3 -4.5 -7.9 -7.2 -5.4 -4.5 -7.3 -4.5 -7.3 -4.5 -7.3 -4.5 -7.3 -4.5 -7.3 -4.5 -7.9 -7.2 -5.4 -7.3 -4.5 -7.3 -4.5 -7.3 -4.5 -7.3 -4.5 -7.9 -7.2 -5.4 -7.3 -4.5 -7.3 -4.5 -7.3 -7.5 -7.5 -7.5 -7.5 -7.3 -4.5 -7.3 -7.5 -7.5 -7.5 -7.5 -7.5 -7.5 -7.3 -4.5 -7.3 -7.5 -7.5 -7.5 -7.5 -7.5 -7.5 -7.5 -7.5	93.1 92.3 91.0 • previous year 0.3 -3.6 7.6 -13.1 -6.2 on same month a -19.2 -23.3 -24.8 -13.3 -10.2 -8.7 -6.8 -7.2 -9.3 -2.7 -1.9 -1.9 -1.9 -1.9 -1.9 -1.9 -1.9 -1.9	112.7 109.9 1.0 0.6 3.9 2.8 0.5 a year ag -3.3 -3.8 -10.5 -5.8 8.1 2.7 -4.5 1.3 -6.6 -4.1 -1.3 1.6 5.9 3.5 7.1 1.0 0.8 -0.9 5.9 7.1 6.4 9.9 10.7 5.4	86.4 84.0 -0.5 16.3 35.2 -30.4 -15.0 -47.8 -46.1 -43.7 -43.8 -28.4 -29.9 -28.8 -22.2 -21.9 -19.0 -10.7 -9.0 -2.7 -3.2 -3.4 -3.8 -8.6 -4.5 -9.1 -9.2 -1.2 -1.2 -1.9 6.6 9.8	93.4 90.6 10.1 -8.6 4.7 2.3 -11.8 -13.0 -14.9 -30.6 -25.9 -30.1 -12.7 -14.3 -14.3 -14.5 -17.6 -12.7 -12.1 -9.0 -11.1 -15.6 -1.7 -9.2 -3.4 -9.4 -3.8 -2.1 1.1 4.3 -4.0	107.3 107.7 -1.5 -2.8 -0.3 0.6 -7.0 -9.4 -19.1 -22.0 -21.1 -16.4 -12.7 -15.4 -13.0 -8.4 -1.1 -6.6 -8.0 -11.0 -5.7 0.9 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.4 -1.5 -0.4 -1.5 -2.8 -7.0 -2.8 -7.0 -2.8 -7.0 -2.1 -1.5 -7.0 -2.8 -7.0 -2.8 -7.0 -2.8 -7.0 -2.8 -7.0 -2.1 -1.5 -7.0 -2.8 -7.0 -2.1 -1.5 -7.0 -2.1 -1.5 -7.0 -2.1 -1.5 -7.0 -2.1 -1.5 -7.0 -2.1 -1.5 -7.0 -2.1 -1.5 -7.0 -2.1 -1.5 -7.0 -2.1 -1.5 -7.0 -2.1 -1.5 -7.0 -2.1 -1.5 -7.0 -2.1 -1.5 -7.0 -2.1 -1.5 -7.0 -2.1 -1.5 -7.5 -2.8 -7.0 -2.1 -1.5 -7.5 -7.5 -7.5 -7.5 -7.5 -7.5 -7.5 -7	102.9 102.6 4.7 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.6 -0.5 -2.2 -3.2 -2.7 -0.5 2.2 -2.2 -1.6 -0.5 -2.2 -3.2 -2.7 -1.5 -2.2 -1.3 -1.3 -1.6 -0.5 -2.2 -3.2 -2.7 -1.5 -2.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2
Aug Sep Oct 2018 2019 2020 2021 2022 Percentage of 2021 2022 2021 2022 2021 2022 2021 2022 2022 2021 2022 2022 2022 2022 2022 2022 2022 2020 2021 2020 2021 2020 2020 2021 2020 2021 2020 2020 2020 2021 2020 2020 2021 2020 2021 2020 2021 2020 2021 2020 2021 2020 2021 2020 2021 2020 2021 2020 2021 2020 2021 2020 2021 2020 2020 2021 2020 2021 2020 20	87.0 84.8 82.9 change, latest year or 5.2 1.3 0.2 3.6 -3.8 change, latest month -7.9 -7.2 -5.4 -4.2 -9.1 -4.0 -5.6 -7.3 -4.2 -9.1 -7.3 -4.2 -9.1 -7.2 -5.4 -4.2 -9.1 -7.3 -4.2 -9.1 -7.3 -4.2 -9.1 -7.3 -4.2 -9.1 -7.3 -4.2 -9.1 -7.3 -5.6 -7.3 -5.7 -7.9 -5.7 -7.9 -5.6 -7.3 -5.7 -7.9 -5.3 -5.3 -7.1 -7.9 -5.3 -7.1 -5.5 -5.3 -7.1 -5.5 -5.5 -7.1 -7.9 -5.5 -5.5 -7.1 -7.9 -5.5 -5.5 -7.1 -7.9 -5.5 -5.5 -7.1 -7.1 -7.1 -5.5 -7.1 -7.1 -7.1 -7.1 -7.1 -7.1 -7.1 -7.1	93.1 92.3 91.0 • previous year 0.3 -3.6 7.6 -13.1 -6.2 on same month -19.2 -23.3 -24.8 -21.9 -22.8 -13.3 -10.2 -8.7 -6.8 -7.2 -9.3 -10.2 -8.7 -6.2 -13.3 -10.2 -8.7 -6.2 -13.3 -10.2 -8.7 -6.2 -13.3 -10.2 -2.19 -2.28 -13.3 -10.2 -8.7 -1.9 -2.7 -1.9 -1.9 -2.7 -1.9 -1.9 -2.7 -1.9 -2.7 -1.9 -2.7 -1.9 -1.9 -2.7 -1.9 -1.9 -1.9 -1.9 -1.9 -1.9 -1.9 -1.9	112.7 109.9 1.0 0.6 3.9 2.8 0.5 A year ag (-3.3 -3.8 -10.5 -5.8 8.1 2.7 -4.5 1.3 -6.6 -4.1 -1.3 1.6 5.9 3.5 7.1 1.0 0.8 -0.9 5.9 3.5 7.1 1.0 0.8 -0.9 5.9 3.7,1 1.0 0.8	$\begin{array}{c} 86.4\\ 84.0\\ \\ -0.5\\ 16.3\\ 35.2\\ -30.4\\ -15.0\\ \\ -47.8\\ -46.1\\ -43.7\\ -43.8\\ -28.4\\ -29.9\\ -28.8\\ -22.2\\ -21.9\\ -19.0\\ -10.7\\ -3.2\\ -2.7\\ -3.2\\ -3.4\\ -3.8\\ -8.6\\ \\ 4.5\\ -9.1\\ -9.2\\ -1.2\\ -1.9\\ -6.6\end{array}$	93.4 90.6 10.1 -8.6 4.7 2.3 -11.8 -13.0 -14.9 -30.6 -25.9 -30.1 -12.7 -14.3 -18.5 -17.6 -12.7 -12.1 -9.0 -11.1 -15.6 -1.7 -9.2 -3.4 -9.4 -3.8 -2.1 1.1 -4.3 -4.0	$\begin{array}{c} 107.3\\ 107.7\\ \\ -1.5\\ -2.8\\ \\ -0.3\\ 0.6\\ -7.0\\ \\ -9.4\\ -19.1\\ -22.0\\ -21.1\\ -16.4\\ -12.7\\ -15.4\\ -13.0\\ -8.4\\ -1.1\\ -6.6\\ \\ -8.0\\ -11.0\\ -5.7\\ 0.9\\ 0.3\\ \\ 1.0\\ 3.3\\ 4.0\\ 9.8\\ 8.1\\ 16.1\\ \end{array}$	102.9 102.6 4.7 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2

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

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

IOP 5 Output of the Production Industries Chained volume indices of gross value added¹

	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
Section	CA	СВ	CC C	CD	CE	CF
Latest weight	115.8	23.9	48.0	12.6	44.2	49.8
Ũ	K22B	K22P	K22T	K22X	K22Z	K239
Percentage cha	ange, latest month	on previous month				
2021 Aug	-0.3	2.6	-2.6	0.4	-1.6	-1.9
Sep Oct	0.1 0.5	2.7 0.6	1.7 3.5	-7.7 2.0	-0.8 2.9	-4.0 9.6
Nov	0.5	2.4	-2.4	7.6	2.9	-2.3
Dec	-0.8	-4.2	-0.3	-2.1	3.2	13.5
2022 Jan	1.0	0.5	0.1	2.8	3.2	-23.3
Feb	-0.1	-3.3	0.5	3.8	-4.7	7.8
Mar Apr	0.5 0.1	3.0 1.5	-0.4 -2.1	4.7 0.9	-1.6 -1.1	-7.6 3.6
May	0.6	-2.3	-0.2	-0.2	0.7	2.6
Jun	-1.4	-3.7	-3.4	-7.5	-5.8	-0.7
Jul		2.2	2.1	-10.3	0.2	-2.5
Aug	-0.2	1.2	-2.7	1.0	2.0	-6.2
Sep Oct	-1.7 0.2	-0.4 -2.0	-1.3 0.2	-2.1 1.7	-2.3 -1.8	15.3 13.0
Nov	0.5	0.3	-1.8	0.5	-3.0	-8.9
Dec	-0.8	0.4	-1.0	-1.5	-2.4	3.7
2023 Jan	0.5	-0.3	-0.1	2.9	4.3	-5.5
Feb Mar	0.1 -0.4	-2.7 -1.8	-0.8	2.0 4.9	-3.3 0.1	-1.8 4.7
Apr	-0.4	-1.0	1.2	4.9	-1.1	-2.0
May	1.3	0.9	-1.8	1.3	-0.7	-0.4
Jun	1.4	3.4	1.9	-4.2	1.7	8.6
Jul	-0.2	-4.9	1.1	-4.2	0.3	-2.5
Aug Sep	-0.4 0.9	1.7 -0.1	-0.6 -1.7	0.6 -2.6	-0.8 1.4	-0.4 -0.5
Oct	0.1	-3.1	-0.8	0.1	-2.3	-1.2
Percentage cha	ange, latest 3 mon	ths on same 3 mont	hs a year agc			
2021 Aug	11.2	92.8	2.8	15.3	-11.7	-8.2
Sep	8.8	81.3	0.4	6.7	-13.8	-4.6
Oct	8.6	77.8	1.2	2.8	-14.0	0.8
Nov Dec	8.8 8.9	73.1 62.0	1.5 0.9	0.7 3.9	-13.5 -10.0	6.8 16.6
2022 Jan	9.4	53.1	-0.3	9.4	-5.6	8.9
Feb	9.0	43.1	-0.3	16.0	-1.3	4.6
Mar	8.5	33.9	1.0	25.9	0.6	-7.8
Apr	5.6	23.7 14.4	-1.4	28.5	-1.1	-3.1
May Jun	3.7 1.5	6.0	-3.3 -5.1	23.7 10.6	-0.8 -3.6	-6.6 -2.4
Jul	1.1	1.5	-4.3	1.0	-3.8	-7.2
Aug	0.6	-0.3	-4.0	-5.8	-4.3	-7.9
Sep	0.2	-0.3	-4.7	-4.8	-2.8	-7.1
Oct Nov	-0.5 -1.3	-2.7 -5.2	-6.7 -8.5	-2.8 -3.2	-3.7 -7.0	-1.3 3.1
Dec	-1.5	-5.2	-9.5	-5.2	-11.3	-1.4
2023 Jan	-1.6	-4.6	-9.5	-7.0	-13.8	-0.3
Feb	-1.7	-3.2	-10.2	-7.4	-14.7	0.5
Mar Apr	-2.1 -2.6	-4.7 -6.8	-10.5 -9.7	-7.8 -8.0	-13.6 -12.7	9.5 8.7
May	-2.9	-8.0	-9.1	-7.2	-12.6	10.1
Jun	-2.0	-5.5	-7.0	-5.5	-10.8	10.3
Jul	-0.9	-4.6	-6.2	-2.0	-8.8	12.5
Aug	-0.1	-4.5	-4.2	1.3	-7.3	18.1
Sep Oct	0.7 1.4	-6.5 -6.7	-3.9 -3.7	3.4 2.5	-6.9 -6.8	14.6 6.0
001	1.4	-0.7	-3.7	2.0	-0.0	0.0

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

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

Seasonally adjusted 2019 = 100

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

		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
Sectior	ı	CG	СН	CI	CJ	СК	CL	СМ
_atest	weight	52.4	80.8	50.4	18.4	57.2	101.2	66.8
	U	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
Percer	ntage cl	hange, latest month o	on previous mont	th				
2021	Aug	-0.6	-0.8	-0.7	-4.5	0.9	1.4	-3.2
	Sep Oct	1.8 1.5	-0.8 -1.6	-0.2 -4.4	-0.6 -0.1	4.3 -14.5	-4.4 -4.5	0.8 0.7
	Nov	2.4	2.9	7.4	-0.6	9.0	2.9	-0.7
	Dec	-6.4	-0.9	1.0	4.7	-4.2	0.2	-1.9
2022		1.6	2.9	0.5	-0.3	5.5	-1.6	1.0
	Feb Mar	-1.7 1.2	0.6 0.4	-3.5 1.0	-3.0 1.8	-4.5 -2.3	-0.3 1.4	2.6 -0.3
	Apr	1.2	-1.3	-3.2	-3.6	-2.5	0.1	-0.3
	May	3.1	-1.8	0.9	-2.2	2.9	0.4	1.5
	Jun	-3.7	-1.4	1.9	0.7	-1.0	-1.8	0.9
	Jul	-0.6	-0.6	1.4 3.5	-1.3 2.0	-1.7 -1.4	-1.8 -2.0	- 1.0
	Aug Sep	-0.8 -2.3	-0.8	-2.5	-1.1	-1.4 -1.1	-2.0	-1.6
	Oct	0.9	-0.8	-2.5	-0.2	-0.3	2.3	-1.0
	Nov	-1.4	0.1	1.3	-1.0	0.8	1.9	0.9
	Dec	0.8	-0.9	0.8	-0.6	1.9	0.6	0.4
	Jan	1.6	4.5	-1.2	4.3	-1.1	-0.9	1.2
	Feb Mar	-0.7 -3.3	- 1.6	3.2 2.1	-7.7 1.7	1.5 -0.6	1.9 2.1	0.4 0.5
	Apr	-0.8	-0.1	-3.8	4.9	-0.0	5.7	2.4
	May	-1.2	0.7	4.2	-3.0	-2.6	-1.2	-1.7
	Jun	2.7	1.5	2.6	9.5	-0.7	5.5	0.8
	Jul	-8.3 -1.1	1.2 0.9	-3.5 -3.2	1.7 -1.1	2.4 -2.9	-1.5	-1.1 -2.9
	Aug Sep	-1.1	-0.9	-3.2 2.8	-1.1	-2.9	1.3 -0.9	-0.2
	Oct	-2.2	-1.4	-2.5	-2.7	-3.0	0.4	-0.3
Percer	ntage cl	hange, latest 3 month	ns on same 3 moi	nths a year ago				
2021	Aug	-1.7	-14.9	2.3	-43.2	-4.2	0.7	6.0
	Sep	-6.2	-19.8	-1.7	-45.7	-11.3	-10.4	0.2
	Oct Nov	-6.8 -5.6	-22.5 -23.3	-5.9 -6.7	-45.9 -44.5	-19.8 -23.9	-17.0 -20.7	-1.4 -1.4
	Dec	-6.2	-23.2	-3.1	-39.3	-28.8	-19.9	-1.4
2022	Jan	-5.8	-19.5	1.4	-34.6	-23.4	-16.9	-2.7
	Feb	-6.3	-15.7	1.9	-29.1	-19.7	-14.9	-1.8
	Mar Apr	-5.7 -5.8	-10.8 -8.6	-0.2 -3.4	-27.1 -24.4	-15.2 -16.8	-13.7 -12.3	- 0.1
	Apr May	-5.8 -3.5	-8.6	-3.4 -3.2	-24.4 -21.1	-16.8	-12.3 -7.7	-0.6
	Jun	-1.7	-7.7	-4.0	-17.5	-14.2	-5.4	-1.7
	Jul	-0.4	-6.5	-1.3	-13.2	-11.3	-5.3	-1.5
	Aug Sep	-1.3 -2.1	-4.7 -2.1	2.1 3.7	-7.6 -5.1	-10.8 -12.0	-8.6 -8.3	-0.1 0.4
	Oct	-3.7	-2.1	5.5	-3.1	-12.0	-5.5	0.4
	Nov	-6.4	-2.6	3.8	-3.4	-9.2	-1.7	0.3
	Dec	-5.5	-3.4	2.8	-5.3	-4.8	0.4	1.4
2023	Jan Feb	-4.4 -1.6	-3.8 -3.5	0.3 1.9	-5.7 -7.4	-7.4 -5.6	0.4 1.5	2.8 2.9
	Mar	-1.0 -2.7	-3.5	4.0	-7.4	-5.2	2.8	2.9
	Apr	-4.4	-2.2	6.5	-6.6	-1.6	5.7	3.8
	May	-7.8	-0.6	7.8	-4.2	-1.8	7.3	4.7
	Jun	-7.7	1.7	9.0	1.1	-2.4	11.3	5.4
	11	-9.4	4.2	8.6	4.8	-2.8	13.5	3.9
	Jul	40.0				4.0		<u> </u>
	Jui Aug Sep	-10.0 -12.6	6.1 7.0	4.8 2.5	7.6 8.6	-1.9 0.2	17.7 18.3	2.1 0.9

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

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

Continued Output of the Production Industries

continued	Chained volu	me indices of gros	ss value added		Seasonally a	adjusted 2019 = 100
	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 pharmaceutica products and preparation
Section	CA	СВ	CC	CD	CE	CI
Latest weight	115.8	23.9	48.0	12.6	44.2	49.8
5	K22B	K22P	K22T	K22X	K22Z	K239
Percentage cha	ange, latest 3 mon	ths on previous 3 m	onths			
2021 Aug	1.9	11.4	-3.0	13.8	-1.4	-0.2
Sep	-0.2	5.9	-2.9	-1.2	-3.8	3.
Oct	-0.2	4.8	-0.7	-6.0	-2.2	-0.3
Nov	0.3	5.0	1.8	-6.4	-0.4	3.1
Dec	0.6	3.5	2.0	0.9	3.6	8.9
2022 Jan	0.8	1.0	0.2	5.5	6.0	2.
Feb	0.4	-3.3	-0.6	6.6	5.4	-0.
Mar	0.8	-2.8	-0.8	8.1	1.9	-15.3
Apr	0.7	-2.0	-0.6	8.6	-3.0	-10.1
May	1.0	1.1	-1.6	8.9	-4.1	-8.
Jun	0.3	-0.5	-3.4	2.6	-5.1	2.2
Jul	-0.1	-2.1	-3.3	-6.3	-4.3	1.0
Aug	-1.1	-2.9	-3.7	-13.3	-4.9	-1.0
Sep	-1.5	-0.4	-2.5	-14.9	-3.0	-1.
Oct	-1.8	0.5	-3.2	-9.4	-2.1	6.0
Nov	-1.6	-0.1	-2.9	-3.8	-3.2	15.4
Dec	-1.0	-1.6	-3.1	0.5	-5.4	15.0
2023 Jan	-0.3	-1.1	-2.8	0.9	-5.1	3.0
Feb	-	-1.2	-2.4	2.0	-3.3	-3.0
Mar	0.1	-2.3	-1.9	5.1	-0.7	-5.9
Apr	-0.3	-4.2	-0.8	7.5	-1.7	-2.0
May	-0.1 0.4	-4.0 -1.3	-0.4 0.3	9.1 5.2	-1.8 -2.1	-0.1 2.9
Jun	0.4	-1.3	0.3	5.2	-2.1	2.3
Jul	1.6	0.2	0.5	-0.2	-0.1	4.5
Aug	1.8	0.8	1.5	-5.3	0.9	5.6
Sep	1.2	-1.5	0.8	-7.0	1.2	2.4
Oct	0.5	-1.7	-0.6	-5.3	0.1	-0.

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

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

IOP 5 Output of the Production Industries Chained volume indices of gross value added¹

		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 repai
Sectio	n	CG	СН	CI	CJ	СК	CL	CN
atest	t weight	52.4	80.8	50.4	18.4	57.2	101.2	66.8
	g	K23B	K23G	K23N	K23P	K23R	K23T	K232
Perce	entage cl	hange, latest 3 mont	hs on previous 3	months				
2021		-4.1	-6.3	-1.8	-16.5	-7.5	-2.5	0.8
	Sep	-2.9	-8.0	-3.3	-13.6	-5.1	-0.7	-0.
	Oct	-0.3	-6.6	-3.6	-9.9	-5.2	-2.0	-2.1
	Nov	2.5	-4.0	-1.7	-5.0	-4.2	-5.6	-1.
	Dec	1.9	-0.8	0.3	-0.9	-7.8	-5.0	-1.0
2022		0.1	1.9	5.0	2.2	-1.6	-2.1	-1.
	Feb	-4.0	2.6	3.4	3.0	-1.9	-0.5	-0.
	Mar	-2.8	3.8	1.4	1.1	1.5	-0.2	1.
	Apr	-1.8	2.0	-3.3	-1.8	-4.5	-0.4	1.4
	May	2.4	0.2	-3.0	-3.5	-3.8	0.8	0.3
	Jun	2.2	-2.5	-2.5	-4.7	-3.3	0.5	-0.9
	Jul	1.5	-3.7	0.8	-4.0	-0.4	-0.9	0.
	Aug	-2.0	-3.5	3.5	-2.2	-1.3	-3.3	1.:
	Sep	-3.3	-2.4	4.5	-0.6	-2.7	-3.7	1.2
	Oct	-3.6	-1.9	3.0	0.5	-3.7	-2.2	0.3
	Nov	-2.9	-1.9	-	-0.7	-2.5	1.5	-0.
	Dec	-1.6	-2.1	-0.5	-1.2	-0.4	4.0	
2023	Jan	-0.6	-0.2	-0.2	-0.5	1.1	4.0	1.0
	Feb	1.0	1.6	1.5	-1.2	2.0	2.7	1.
	Mar	0.1	4.4	2.6	-1.3	1.1	2.1	2.
	Apr	-1.8	3.7	2.7	-2.7	1.4	4.9	2.4
	May	-4.1	3.2	2.6	-0.1	0.1	6.6	2.
	Jun	-3.1	2.0	2.2	4.3	-0.4	8.9	1.9
	Jul	-3.8	2.6	2.8	7.7	-1.5	6.4	0.3
	Aug	-4.3	3.1	0.6	9.9	-1.4	6.0	-1.3
	Sep	-8.4	2.7	-1.7	6.7	-0.1	2.3	-3.
	Oct	-8.1	1.1	-3.7	3.1	-0.8	1.7	-3.

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