

Statistical bulletin

### **Index of Production, UK: December 2022**

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



Release date: 10 February 2023 Next release: 10 March 2023

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#### 1. Main points

- Monthly production output rose by 0.3% between November and December 2022 and is 1.4% below February 2020; this was the last month of "normal" trading conditions before the coronavirus (COVID-19) pandemic.
- The monthly increase in output resulted from growth in two of the four production sectors, with electricity and gas rising by 5.2% and water supply and sewerage by 0.7%; this was partially offset by mining and quarrying, which fell by 4.6%.
- Monthly manufacturing output remained unchanged, at 0.0%, and saw 7 of its 13 sub-sectors negatively contributing to growth during December 2022; most notably, the manufacture of food products, beverages and tobacco contributed negative 0.12 percentage points to the Index of Production (IoP) (with growth falling by 1.0%); this was offset by a positive contribution of 0.13 percentage points (with growth rising by 2.0%) from manufacture of basic pharmaceutical products and pharmaceutical preparations.
- Output remained below the February 2020 pre-coronavirus pandemic levels in the mining and quarrying (17.2% below) and manufacturing (2.3% below) sectors; in contrast, water supply and sewerage and electricity and gas were above the February 2020 level, at 11.0% and 5.3%, respectively.
- Production output for Quarter 4 (Oct to Dec) 2022 declined by 0.2% compared with Quarter 3 (July to Sept) 2022, with falls in mining and quarrying (1.6%) and electricity and gas (1.3%), partially offset by a rise in water supply and sewerage (0.7%); in contrast, manufacturing output remained unchanged at 0.0%.
- Further analysis of the effect on our monthly IoP estimate is available in our <u>Gross domestic product (GDP) monthly estimate</u>, <u>UK: December 2022 bulletin</u>, published 10 February 2023.

#### More about economy, business and jobs

- All ONS analysis, summarised in our <u>economy</u>, <u>business and jobs roundup</u>.
- Explore the latest trends in employment, prices and trade in our economic dashboard.
- View all economic data.

#### 2. Index of Production (IoP) data

#### Index of Production time series

Dataset DIOP | Released 10 February 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 10 February 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 10 February 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 10 February 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 10 February 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.

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

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

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>.

#### Reasons for revisions to non-seasonally adjusted data in this release

In this release, revisions are seen back to January 2021 for non-seasonally adjusted data. This is an additional revision outside the normal period and is because of a minor processing error. This only affects detailed, non-seasonally, adjusted data for a small number of industries in our time series and does not affect the seasonally adjusted figures.

#### **Coronavirus (COVID-19)**

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.

Our latest data and analysis on the impact of the coronavirus pandemic on the UK economy and population are available on our <u>Coronavirus (COVID-19) data and analysis web page</u>. This is the hub for all special coronavirus-related publications, including the fortnightly Business Insights and Conditions Survey (BICS).

#### **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

#### 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 GDP volume 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

Comparing measures of motor vehicle manufacturing compiled by the Office for National Statistics (ONS) and published in the Index of Production (IoP) with outputs from the Society of Motor Manufacturers and Traders (SMMT).

#### Comparing ONS's economic data with IHS Markit and CIPS Purchasing Managers' Index surveys

Article | Released 21 October 2019

A comparison between official estimates of UK output and diffusion indices, looking at the level of correlation between Office for National Statistics data and IHS Markit and Chartered Institute of Procurement and Supply Purchasing Managers' Indices.

#### GDP monthly estimate, UK: December 2022

Bulletin | Released 10 February 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.

#### Producer price inflation, UK: December 2022 including services, October to December 2022

Bulletin | Released 25 January 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 26 January 2023

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

#### 5. Cite this statistical bulletin

Office for National Statistics (ONS), released 10 February 2023, ONS website, statistical bulletin, <u>Index of Production</u>, <u>UK: December 2022</u>



### Index of Production Release Tables

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



#### Output of the Production Industries, December 2022

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Enquiries

### IOP5 Output of the Production Industries Chained volume indices of gross value added1

			Broad ind	ustry 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	В	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	
Latoot Wolgin	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K240	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 2020	100.0 101.3	100.0 96.8	100.0 100.1	100.0 109.1	100.0 104.8	100.0 96.5	100.0 96.0	100.0 103.8	100.0 95.9	100.0 103.1	100.0 102.1	
2021	108.6	85.5	109.8	114.6	112.9	81.4	104.7	109.0	107.8	113.5	99.8	
2022	104.7	86.8	104.6	110.6	115.1	82.9	101.1	108.2	100.0	106.6	98.2	
2021 Q4	107.4	87.8	108.6	107.2	115.2	83.7	105.2	113.0	103.9	110.7	97.1	
2022 Q1	107.1 <sup>T</sup>	89.5				85.1 <sup>T</sup>	105.6	108.3	103.0		100.5	
Q2 Q3	105.8 103.1	87.1 86.0	105.7 102.7	111.8 110.1	116.2 113.6	83.4 81.9	101.4 100.5	109.2 106.3	100.5 T 97.8	108.3 105.0	99.7 97.0	
Q4	102.9	84.6	102.6	108.7	114.4	81.3	96.8	109.2	98.5	102.2	95.7	
2021 Oct	107.2	90.0	108.8	102.9	115.0	86.7	104.3	111.5	104.5	111.8	95.6	
Nov Dec	107.5 107.5	87.7 85.6	108.5 108.5	108.9 109.7	115.0 115.7	83.1 81.2	106.1 105.1	111.1 116.5	104.4 102.8	111.4 109.0	98.0 97.7	
2022 Jan	107.4 <sup>T</sup>	89.4					106.8				100.5	
Feb Mar	107.0 106.9	89.2 89.8	107.0 107.0	112.2 110.4	116.2 116.4	85.4 85.4	104.7 105.3	109.1 108.8	102.4 102.4	109.8 110.4	100.6 100.3	
Apr	106.3	87.3	106.2	111.8	117.8	83.3	101.5	109.3	102.4	109.2	100.3	
May Jun	106.3 104.9	88.1 85.9	106.4 104.6	112.1 111.4	114.7 116.2	84.0 82.8	100.5 102.3	109.6 108.6	100.6 100.1	109.8 106.0	99.7 99.0	
Jul	104.2	90.6	103.6	110.7	113.1	87.6	101.5	107.2	98.5	105.9	98.8	
Aug	102.6 102.5	83.0 84.3	102.3 102.1	110.0 109.6	113.6 114.1	78.2 79.9	101.7 98.3	104.7 107.0	97.6 97.4	105.3 103.9	96.2 96.1	
Sep Oct	102.7	84.0	103.0	106.4	112.6	80.3	96.6	110.8	97.8	102.7	94.1	
Nov	102.8	86.9	102.4	107.1	114.9	84.1	97.6	108.3	98.7	102.1	95.6	
Dec	103.1	82.9	102.4	112.7	115.7	79.6	96.1	108.5	99.2	101.7	97.2	
Percentage char												
2018 2019	3.3 2.3	6.3 2.2	4.3 1.2	-3.2 14.0	1.1 -0.3	6.7 1.2	2.3 -0.7	8.6 3.9	2.7 -4.1	3.7 4.2	0.1 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 2022	7.3 -3.6	-11.7 1.6	9.7 -4.8	5.1 -3.5	7.8 2.0	-15.7 1.9	9.1 -3.5	5.0 -0.7	12.5 -7.3	10.1 -6.1	-2.2 -1.6	
Percentage char	nge, latest mont	h on same moi	nth a year ago									
2020 Oct Nov	5.8	1.6 -4.0	6.8 10.5	1.8 -1.7	6.2	2.6	-0.3	5.4 5.0	4.2 11.0	11.6	-0.3 -4.0	
Dec	7.8 8.4	3.8	9.6	2.8	8.9 10.0	-4.3 5.9	4.1 -4.7	4.6	11.3	15.9 13.8	1.3	
2021 Jan	4.6	-3.7	4.3	9.8	6.7	-4.0	-1.0 2.0	2.7	3.3	8.1	1.5 -1.5	
Feb Mar	4.1 10.5	-12.8 -4.2	4.4 13.0	10.9 7.7	7.2 6.7	-14.8 -4.9	8.6	-1.3 -0.7	6.7 24.8	9.2 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 Jun	26.4 11.5	-22.5 -33.0	35.2 17.3	25.3 10.9	13.2 8.8	-29.4 -40.6	21.6 21.2	12.9 4.2	52.4 23.9	38.1 18.5	3.8 -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 Sep	4.3 1.7	2.7 1.2	5.6 2.4	-3.3 -5.5	5.3 5.7	1.1 -0.4	4.8 4.5	2.6 3.1	7.9 2.7	4.9 0.6	-1.2 -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 Dec	-1.7 -2.4	-4.6 -11.6	-2.5 -2.2	-1.5 -3.4	6.7 4.5	-8.0 -16.4	-1.0 6.9	6.5 12.6	-6.8 -9.0	-4.9 -6.2	-2.5 -6.3	
2022 Jan	-1.0 <sup>T</sup>	-4.9	-0.9	T -4.5	<sup>†</sup> 5.4 <sup>†</sup>	-8.2 <sup>†</sup>	4.3	T 3.1			-3.0	
Feb	-1.7	2.2		-5.4	4.0	1.0	-0.5	4.7	-7.6	-3.6	-1.2	
Mar Apr	-2.6 -2.3	1.2 18.6	-3.3 -4.2	-5.2 -6.8	3.7 6.1	-1.2 22.6	2.5 0.6	2.1 3.0	-8.6 -9.4	-3.8 -6.3	-1.6 2.8	
May	-3.7	14.7	-4.5	-12.2	3.3	17.9	-1.4	-2.3	-6.1	-5.9	-3.8	
Jun	-3.4	24.9	-5.5	-7.5	2.2	35.6	-4.3	1.3	-7.7	-8.5	1.9	
Jul Aug	-4.3 -6.2	10.6 -14.5	-6.1 -7.2	-3.5 -0.3	-1.1 0.3	14.4 -17.4	-5.9 -4.6	-2.3 -4.7	-8.1 -9.9	-6.9 -6.5	0.1 -5.6	
Sep	-5.3	-10.1	-6.9	1.2	2.5	-12.0	-8.0	-1.6	-10.1	-7.2	-4.2	
Oct Nov	-4.2 -4.3	-6.7 -0.9	-5.3 -5.6	3.4 -1.6	-2.1 -0.1	-7.4 1.1	-7.4 -8.0	-0.6 -2.6	-6.4 -5.5	-8.1 -8.4	-1.5 -2.4	
Dec	-4.0	-3.2	-5.7	2.7	-	-1.9	-8.5	-6.9	-3.5	-6.6	-0.5	
Dec	-4.0	-3.2	-5.7	2.7	-	-1.9	-8.5	-6.9	-3.5	-6.6		

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

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

			Broad ind	ustry 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	В	С	D	Е	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	K240	K24T	
Percentage cha	nge, latest mont	h on previous	month									
2020 Oct	1.0	2.7	1.4	-3.2	1.8	3.3	1.5	-0.3	1.6	2.4	-1.2	
Nov Dec	1.6 0.7	-3.3 5.3	2.5 -0.3	-0.4 2.8	0.6 2.8	-4.1 7.6	3.4 -8.2	-0.7 -0.9	4.6 0.7	2.8 -0.8	-1.3 3.8	
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 Mar	0.3 0.8	-7.2 1.7	0.8 1.2	1.1 -1.8	1.2 0.4	-8.1 2.3	2.7 -2.4	0.3 2.2	1.9 1.1	0.1 0.7	-1.7	
Apr	-0.8	-17.0	0.1	2.9	-1.0	-21.5	-1.7	-0.4	-0.8	1.5	-4.1	
May Jun	1.4 -1.6	4.3 -10.5	0.6 -0.7	6.6 -5.8	2.4	5.0 -14.3	1.0 4.8	5.7 -4.4	-3.6 1.2	0.1 -0.7	6.2 -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 Oct	-1.0 -1.0	-3.5 -3.9	-0.5 -0.7	-1.8 -5.0	-1.7 3.3	-4.0 -4.5	0.2 -2.3	-1.1 2.5	-3.6	-0.6 -0.1	-1.5 -4.7	
Nov Dec	0.2	-2.6 -2.4	-0.3	5.8 0.7	0.7	-4.1 -2.3	1.7 -0.9	-0.3 4.8	-0.1 -1.6	-0.4 -2.2	2.5 -0.3	
2022 Jan	-0.1 <sup>⊤</sup>	4.4	T -0.9				1.6				2.9	
Feb	-0.4	-0.2	-0.5	0.1	-	1.1	-2.0	1.9	-1.6	-2.3	0.1	
Mar Apr	-0.1 -0.5	0.7 -2.8	-0.8	-1.6 1.2	0.1 1.2	0.1 -2.5	0.5 -3.5	-0.3 0.5	- -1.7	0.6 -1.1	-0.3 0.1	
May	-	0.9	0.2	0.3	-2.6	0.9	-1.0	0.3	-0.1	0.6	-0.7	
Jun	-1.3	-2.5	-1.6	-0.7	1.3	-1.4	1.7	-0.9	-0.5	-3.4	-0.7	
Jul Aug	-0.7 -1.5	5.5 -8.4	-1.0 -1.3	-0.6 -0.7	-2.7 0.4	5.7 -10.7	-0.7 0.2	-1.3 -2.4	-1.6 -0.9	-0.1 -0.5	-0.2 -2.7	
Sep	0.1	1.5 -0.3	-0.2 0.9	-0.3	0.4 -1.3	2.2 0.5	-3.4 -1.7	2.2	-0.3 0.4	-1.3 -1.1	-0.1	
Oct Nov	0.1	3.4	-0.6	-3.0 0.7	2.1	4.7	1.0	3.5 -2.2	0.9	-0.7	-2.0 1.6	
Dec	0.3	-4.6	-	5.2	0.7	-5.3	-1.5	0.2	0.5	-0.3	1.7	
Percentage cha	nge, latest 3 mo	nths on same	3 months a yea	r ago <sup>z</sup>								
2020 Oct Nov	5.7 6.4	-3.1 -3.7	6.1 7.9	8.8 3.3	6.0 6.8	-3.3 -4.0	1.1 1.7	6.9 5.5	3.1 6.6	10.0 12.6	1.7 -1.1	
Dec	7.3	0.4	9.0	1.0	8.3	1.3	-0.3	5.0	8.8	13.8	-1.1	
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 Mar	5.7 6.3	-4.4 -7.0	6.1 7.1	7.8 9.4	7.9 6.9	-4.6 -8.0	-1.3 3.0	1.9 0.2	7.1 11.0	10.3 10.7	0.4 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 Jun	22.8 23.3	-16.9 -26.4	30.6 32.4	17.4 18.5	11.1 11.9	-22.7 -34.1	24.1 29.1	7.4 9.3	49.1 49.0	34.3 35.8	1.3 -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 Sep	7.1 3.9	-17.2 -5.7	10.4 5.6	3.1 -2.3	7.5 6.4	-22.1 -8.5	11.6 6.4	2.7 2.3	14.7 7.8	10.5 4.6	-4.2 -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 Dec	-0.1 -1.5	-2.9 -7.2	-1.5	-4.7 -4.1	6.6 6.2	-5.5 -10.9	1.3 2.0	5.2 8.3	-2.3 -6.2	-2.1 -4.3	-3.7 -5.0	
2022 Jan	-1.7 <sup>†</sup>	-7.1	-1.9				3.3			-4.1 <sup>†</sup>	-3.9	
Feb Mar	-1.7 -1.8	-5.0 -0.6	<sup>T</sup> -1.7 -2.1	-4.5 -5.0	4.6 4.4	-8.3 -2.9	3.5 2.1	6.8 3.3	-7.0 <sup>†</sup> -6.9	-3.7 -2.9	-3.5 -1.9	
Apr	-2.2	6.7	-3.2	-5.8	4.6	6.3	0.9	3.3	-8.6	-4.6	-0.9	
May Jun	-2.9 -3.2	10.9 19.2	-4.0 -4.7	-8.2 -8.9	4.3 3.8	12.0 24.9	0.6 -1.7	0.9 0.6	-8.1 -7.8	-5.3 -6.9	0.2	
Jul	-3.8	16.3	-5.4	-7.9	1.4	21.8	-3.9	-1.1	-7.3	-7.1	-0.7	
Aug Sep	-4.7 -5.3	4.7 -5.4	-6.2 -6.7	-3.8 -0.9	0.5 0.5	7.0 -6.2	-4.9 -6.1	-1.9 -2.9	-8.6 -9.4	-7.3 -6.9	-1.2 -3.2	
Oct	-5.3	-10.5	-6.5	1.4	0.2	-12.4	-6.7	-2.3	-8.9	-7.3	-3.8	
Nov Dec	-4.6 -4.2	-6.0 -3.6	-5.9 -5.6	1.0 1.5	0.1 -0.7	-6.3 -2.8	-7.8 -8.0	-1.6 -3.4	-7.4 -5.1	-7.9 -7.7	-2.7 -1.5	

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.

 $<sup>^\</sup>dagger$  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	Energy
Section	B+C+D+E	В	С	D	Е	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	K240	K24T
Percentage cha	nge, latest 3 mo	nths on previ	ous 3 months <sup>2</sup>								
2020 Oct	10.9	-7.1	15.1	5.1	3.8	-8.7	13.9	2.3	24.1	16.0	0.1
Nov	6.0	-6.5	9.0	0.3	0.8	-7.5	8.7	-1.0	15.0	10.5	-1.8
Dec	4.1	-1.8	5.9	-1.8	2.3	-1.6	2.4	-2.4	10.5	7.4	-1.3
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		2.9	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 <sup>T</sup>				2.2 <sup>T</sup>						-0.5
Feb	-0.3	-2.7	-1.1	4.4	2.1	-3.7	-0.2	0.4	-2.5	-1.2	1.7
Mar	-0.3	1.9	-1.3	4.1		1.7	0.4	-4.2	-0.9	0.1	3.5
Apr	-0.7	1.4	-1.4	1.1	1.0	2.1	-2.1	-2.2	-1.8	-1.0	1.7
May	-0.7	0.4	-1.1	0.1	0.2	0.7	-3.0	-1.5	-1.8	-0.5	0.5
Jun	-1.2	-2.6	-1.4	0.2	-	-2.0	-4.0	8.0	-2.5	-2.3	-0.7
Jul	-1.5	-0.6	-1.8		-1.8	0.1	-2.3	-0.5	-2.1	-2.3	-1.2
Aug	-2.4	-2.2	-2.9	-0.7	-1.7	-1.6	-0.6	-2.2	-2.5	-3.7	-2.1
Sep	-2.6	-1.3	-2.9	-1.5	-2.3	-1.8	-0.9	-2.6	-2.6	-3.0	-2.7
Oct	-2.4	-5.0	-2.3	-2.5	-1.1	-6.3	-2.5	-0.9	-2.2	-3.0	-3.7
Nov	-1.2	-1.7	-1.0	-2.7	-0.4	-1.7	-4.3	1.7	-0.8	-2.7	-2.8 -1.4
Dec	-0.2	-1.6	-	-1.3	0.7	-0.7	-3.7	2.7	0.7	-2.7	-1.4

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.

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# Output of the Production Industries Chained volume indices of gross value added Output of the Production Industries

	Food products, beverages	Textiles, wearing apparel and	Wood and paper products	Coke and refined petroleum	Chemicals and chemical	Basic pharmaceutical products and
Section	and tobacco	leather products CB	and printing	products	products	preparations
Section						
Latest weight	110.8 K22B	25.5	48.0	14.2	44.3	49.0
	NZZB	K22P	K22T	K22X	K22Z	K239
2018	98.5	92.9	95.0	73.6	87.7	92.8
2019 2020	100.0 103.4	100.0 72.3	100.0 92.4	100.0 81.2	100.0 105.3	100.0 118.4
2021	103.4	78.8	101.0	79.6	109.3	122.9
2022	109.3	76.2	96.2	86.0	103.2	118.9
2021 Q4	110.7	79.6	100.5	84.3	111.1	132.4
2022 Q1	111.3	77.7	100.9	т 91.2 <sup>т</sup>	111.3 <sup>T</sup>	114.2
Q2	111.0	77.8	98.0	92.9	105.9	116.3
Q3	108.0	75.5	94.7	79.6	100.7	114.4
Q4	107.0	73.8	91.3	80.2	95.0	130.7
2021 Oct	110.8	79.6	101.1	82.3	110.5	127.8
Nov Dec	111.0 110.3	79.2 79.9	100.4 100.1	84.4 86.1	111.1 111.8	125.3 144.0
2022 Jan Feb	111.2 111.0	<sup>†</sup> 78.5 <sup>†</sup> 76.1	100.4 100.8	87.8 <sup>†</sup> 90.9	114.7 <sup>†</sup> 109.6	110.2 118.5
Mar	111.6	78.4	101.4	94.8	109.5	113.8
Apr	111.4	80.4	99.3	95.1	107.7	113.7
May	111.7	78.0	99.2	95.5	108.3	117.0
Jun	109.8	74.9	95.4	88.2	101.7	118.2
Jul	108.6	75.4	96.9	79.1	101.3	115.0
Aug	108.1 107.3	75.6 75.4	94.2 93.0	80.5 79.1	102.3 98.5	107.5 120.8
Sen		70.7		80.2	96.9	135.7
Sep Oct		73.3	92.4			
Oct Nov	107.1 107.5	73.3 74.2 74.0	92.4 91.2 90.3	80.9	94.8	126.9
Oct Nov Dec	107.1 107.5 106.5	74.2 74.0				
Oct Nov Dec Percentage cha	107.1 107.5 106.5 ange, latest year o	74.2 74.0 n previous year	91.2 90.3	80.9 79.5	94.8 93.2	126.9 129.4
Oct Nov Dec Percentage cha	107.1 107.5 106.5 ange, latest year of	74.2 74.0 n previous year 4.3	91.2 90.3	80.9 79.5 -15.4	94.8 93.2 8.9	126.9 129.4 1.2
Oct Nov Dec Percentage cha 2018 2019	107.1 107.5 106.5 ange, latest year of 13.4 1.5	74.2 74.0 n previous year 4.3 7.6	91.2 90.3 3.9 5.3	80.9 79.5 -15.4 35.8	94.8 93.2 8.9 14.1	126.9 129.4 1.2 7.8
Oct Nov Dec Percentage cha 2018 2019 2020	107.1 107.5 106.5 ange, latest year of	74.2 74.0 n previous year 4.3	91.2 90.3	80.9 79.5 -15.4	94.8 93.2 8.9	126.9 129.4 1.2
Oct Nov Dec Percentage cha 2018 2019 2020 2021	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3	74.2 74.0 n previous year 4.3 7.6 -27.7	91.2 90.3 3.9 5.3 -7.6	80.9 79.5 -15.4 35.8 -18.8	94.8 93.2 8.9 14.1 5.3	126.9 129.4 1.2 7.8 18.4
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha	107.1 107.5 106.5 ange, latest year of 13.4 1.5 3.3 5.2 0.6	74.2 74.0 n previous year 4.3 7.6 -27.7 8.9 -3.3 on same month a year	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8	-15.4 35.8 -18.8 -2.0 8.0	94.8 93.2 8.9 14.1 5.3 3.7 -5.6	126.9 129.4 1.2 7.8 18.4 3.8 -3.2
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022 Percentage cha 2020 Oct	107.1 107.5 106.5 ange, latest year of 13.4 1.5 3.3 5.2 0.6 ange, latest month	74.2 74.0 n previous year 4.3 7.6 -27.7 8.9 -3.3 on same month a ye	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8	80.9 79.5 -15.4 35.8 -18.8 -2.0 8.0	94.8 93.2 8.9 14.1 5.3 3.7 -5.6	126.9 129.4 1.2 7.8 18.4 3.8 -3.2
Oct Nov Dec Percentage cha 2018 2019 2020 2021 2022 Percentage cha	107.1 107.5 106.5 ange, latest year of 13.4 1.5 3.3 5.2 0.6	74.2 74.0 n previous year 4.3 7.6 -27.7 8.9 -3.3 on same month a year	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8	-15.4 35.8 -18.8 -2.0 8.0	94.8 93.2 8.9 14.1 5.3 3.7 -5.6	126.9 129.4 1.2 7.8 18.4 3.8 -3.2
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Cot Nov Dec	107.1 107.5 106.5 ange, latest year of 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1	74.2 74.0 n previous year 4.3 7.6 -27.7 8.9 -3.3 on same month a year -26.2 -20.3 -12.9	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear ag:	-15.4 35.8 -18.8 -2.0 8.0	94.8 93.2 8.9 14.1 5.3 3.7 -5.6	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Oct Nov Dec 2021 Jan	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1	74.2 74.0 n previous year 4.3 7.6 -27.7 8.9 -3.3 on same month a ye -26.2 -20.3 -12.9	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear ag:	-15.4 -35.8 -18.8 -2.0 8.0 -26.5 -28.5 -30.2	94.8 93.2 8.9 14.1 5.3 3.7 -5.6	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Cot Nov Dec	107.1 107.5 106.5 ange, latest year of 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1	74.2 74.0 n previous year 4.3 7.6 -27.7 8.9 -3.3 on same month a year -26.2 -20.3 -12.9	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear ag:	-15.4 35.8 -18.8 -2.0 8.0	94.8 93.2 8.9 14.1 5.3 3.7 -5.6	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Cot Nov Dec  2021 Jan Feb	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2	74.2 74.0  n previous year  4.3 7.6 -27.7 8.9 -3.3  on same month a ye  -26.2 -20.3 -12.9  -13.6 -20.0 6.1 134.0	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear ag: -3.4 0.5 0.9	80.9 79.5 -15.4 35.8 -18.8 -2.0 8.0 -26.5 -28.5 -30.2 -35.2 -36.1 -29.8 -1.9	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Oct Nov Dec  2021 Jan Feb Mar Apr May	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2 18.1 14.7	74.2 74.0 n previous year 4.3 7.6 -27.7 8.9 -3.3 on same month a year -26.2 -20.3 -12.9 -13.6 -20.0 6.1 134.0 58.1	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear ag: -3.4 0.5 0.9 -1.4 0.1 6.3 52.2 40.8	-15.4 35.8 -18.8 -20. 8.0 -26.5 -28.5 -30.2 -35.2 -36.1 -29.8 -1.9 17.2	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7 -0.2 12.3 8.0	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3 3.8
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Cot Nov Dec  2021 Jan Feb Mar Apr May Jun	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2 2.1 14.7 9.7	74.2 74.0  n previous year  4.3 7.6 -27.7 8.9 -3.3  on same month a ye  -26.2 -20.3 -12.9  -13.6 -20.0 6.1 134.0 58.1 14.9	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear ag: -3.4 0.5 0.9 -1.4 0.1 6.3 52.2 40.8 19.3	-15.4 35.8 -18.8 -2.0 8.0 -26.5 -28.5 -30.2 -35.2 -36.1 -29.8 -1.9 17.2 28.9	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7 -0.2 12.3 8.0 12.0	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3 3.8 -9.4
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Cot Nov Dec  2021 Jan Feb Mar Apr May Jun Jul Aug	107.1 107.5 106.5 ange, latest year of 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2 18.1 14.7 9.7	74.2 74.0  n previous year  4.3 7.6 -27.7 8.9 -3.3  on same month a year  -26.2 -20.3 -12.9 -13.6 -20.0 6.1 134.0 58.1 14.9 1.1 1.3	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear agc -3.4 0.5 0.9 -1.4 0.1 6.3 52.2 40.8 19.3 7.2	-15.4 35.8 -18.8 -20. 8.0 -26.5 -28.5 -30.2 -35.2 -36.1 -29.8 -1.9 17.2	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7 -0.2 12.3 8.0 12.0 6.5 3.1	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3 3.8 -9.4
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Oct Nov Dec 2021 Jan Feb Mar Apr May Jun  Jul Aug Sep	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2 2.8 11.4.7 9.7	74.2 74.0  n previous year  4.3 7.6 -27.7 8.9 -3.3  on same month a year  -26.2 -20.3 -12.9 -13.6 -20.0 6.1 134.0 58.1 14.9 1.1 1.3 7.7	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear agc -3.4 0.5 0.9 -1.4 0.1 6.3 52.2 40.8 19.3 7.2 4.8	-15.4 35.8 -18.8 -2.0 8.0 -26.5 -28.5 -30.2 -35.2 -36.1 -29.8 -1.9 17.2 28.9 21.7 22.8	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7 -0.2 12.3 8.0 12.0 6.5 3.1 2.2	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3 3.8 -9.4 -3.0 0.7
Oct Nov Dec  Percentage cha 2018 2020 2021 2022  Percentage cha 2020 Cot Nov Dec  2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2 18.1 14.7 9.7	74.2 74.0  n previous year  4.3 7.6 -27.7 8.9 -3.3  on same month a y  -26.2 -20.3 -12.9  -13.6 -20.0 6.1 134.0 58.1 14.9  1.1 1.3 7.7 7.5	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear ag: -3.4 0.5 0.9 -1.4 0.1 6.3 52.2 40.8 19.3 7.2 4.8 4.7 2.7	-15.4 35.8 -18.8 -20. 8.0 -26.5 -28.5 -30.2 -35.2 -36.1 -29.8 -1.9 17.2 28.9 21.7 22.8 3.9	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7 -0.2 12.3 8.0 12.0 6.5 3.1 2.2 -0.3	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3 3.8 -9.4 -3.0 0.7 1.4 12.3
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Oct Nov Dec 2021 Jan Feb Mar Apr May Jun  Jul Aug Sep	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2 2.8 11.4.7 9.7	74.2 74.0  n previous year  4.3 7.6 -27.7 8.9 -3.3  on same month a year  -26.2 -20.3 -12.9 -13.6 -20.0 6.1 134.0 58.1 14.9 1.1 1.3 7.7	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear agc -3.4 0.5 0.9 -1.4 0.1 6.3 52.2 40.8 19.3 7.2 4.8	-15.4 35.8 -18.8 -2.0 8.0 -26.5 -28.5 -30.2 -35.2 -36.1 -29.8 -1.9 17.2 28.9 21.7 22.8	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7 -0.2 12.3 8.0 12.0 6.5 3.1 2.2	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3 3.8 -9.4 -3.0 0.7
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Cot Nov Dec  2021 Jan Feb Mar Apr May Jun  Jul Aug Sep Oct Nov Dec  2022 2022 Jan	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2 18.1 14.7 9.7 3.6 3.5 2.3 2.3 2.9 4.9	74.2 74.0  n previous year  4.3 7.6 27.7 8.9 -3.3  on same month a year -26.2 -20.3 -12.9 -13.6 -20.0 6.1 134.0 58.1 14.9 1.1 1.3 7.7 7.5 3.6 0.9	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear agc -3.4 0.5 0.9 -1.4 0.1 6.3 52.2 40.8 19.3 7.2 4.8 4.7 2.7 -0.8 -0.4	-15.4 35.8 -18.8 -20. 8.0 -26.5 -28.5 -30.2 -35.2 -36.1 -29.8 -1.9 17.2 28.9 21.7 22.8 -3.9 9.0 12.7	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7 -0.2 12.3 8.0 12.0 6.5 3.1 2.2 -0.3 -2.9 -1.5	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3 3.8 -9.4 -3.0 0.7 1.4 12.3 12.3 27.9
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Oct Nov Dec 2021 Jan Feb	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2 18.1 14.7 9.7 3.6 3.5 2.3 2.3 2.9 4.9	74.2 74.0  n previous year  4.3 7.6 -27.7 8.9 -3.3  on same month a year  -26.2 -20.3 -12.9 -13.6 -20.0 6.1 134.0 58.1 14.9 1.1 1.3 7.7 7.5 3.6 0.9	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear age -3.4 0.5 0.9 -1.4 0.1 6.3 52.2 40.8 19.3 7.2 4.8 4.7 2.7 -0.8 -0.4	80.9 79.5  -15.4 35.8 -18.8 -2.0 8.0  -26.5 -28.5 -30.2 -36.1 -29.8 -1.9 17.2 28.9  21.7 22.8 -3.9 9.0 12.7  31.1 38.6	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7 -0.2 12.3 8.0 12.0 6.5 3.1 2.2 -0.3 -2.9 -1.5	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3 3.8 9.4 -3.0 0.7 1.4 12.3 12.3 12.3 27.9 -6.8 -0.1
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Cot Nov Dec  2021 Jan Feb Mar Apr May Jun  Jul Aug Sep Oct Nov Dec  2022 Jan Feb Mar Feb Mar	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2 18.1 14.7 9.7 3.6 3.5 2.3 2.9 4.9	74.2 74.0  n previous year  4.3 7.6 -27.7 8.9 -3.3  on same month a ye  -26.2 -20.3 -12.9  -13.6 -20.0 6.1 134.0 58.1 14.9  1.1 1.3 7.7 7.5 3.6 0.9	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear ags -3.4 0.5 0.9 -1.4 0.1 6.3 52.2 40.8 19.3 7.2 4.8 4.7 2.7 -0.8 -0.4 0.4 0.6 0.5	80.9 79.5  -15.4 35.8 -18.8 -2.0 8.0  -26.5 -28.5 -30.2  -36.1 -29.8 -1.9 17.2 28.9  21.7 22.8 3.9 9.0 12.7 31.1  38.6 42.9	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7 -0.2 12.3 8.0 12.0 6.5 3.1 2.2 -0.3 -2.9 -1.5	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3 3.8 -9.4 -2.0 12.3 12.3 27.9 -6.8 -0.1
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Oct Nov Dec  2021 Jan Feb Mar Apr May Jun  Jul Aug Sep Oct Nov Dec  2022 Jan Feb Mar Apr Mar Apr	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2 18.1 14.7 9.7 3.6 3.5 2.3 2.3 2.9 4.9	74.2 74.0  n previous year  4.3 7.6 2-27.7 8.9 -3.3  on same month a year  -26.2 -20.3 -12.9  -13.6 -20.0 6.1 134.0 58.1 14.9  1.1 1.3 7.7 7.5 3.6 0.9  5.3 0.7 1.1	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear ag( -3.4 0.5 0.9 -1.4 0.1 6.3 52.2 40.8 19.3 7.2 4.8 4.7 2.7 -0.8 -0.4 0.5 -0.4	-15.4 35.8 -18.4 35.8 -20.0 8.0 -26.5 -28.5 -30.2 -35.2 -36.1 -29.8 -1.9 17.2 28.9 21.7 22.8 -9.0 12.7 31.1 Table 38.6 42.9 31.7	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7 -0.2 12.3 8.0 12.0 6.5 3.1 2.2 -0.3 -2.9 -1.5 6.6 <sup>T</sup> 2.1 3.5 3.7	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3 3.8 -9.4 -3.0 0.7 1.4 12.3 12.3 27.9 -6.8 -0.1 -7.1 -7.1
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 2021 2021 2022  Jan Feb Mar Aug Sep Oct Nov Dec  2022 Jan Feb Mar Feb Mar	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2 18.1 14.7 9.7 3.6 3.5 2.3 2.9 4.9	74.2 74.0  n previous year  4.3 7.6 -27.7 8.9 -3.3  on same month a ye  -26.2 -20.3 -12.9  -13.6 -20.0 6.1 134.0 58.1 14.9  1.1 1.3 7.7 7.5 3.6 0.9	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear ags -3.4 0.5 0.9 -1.4 0.1 6.3 52.2 40.8 19.3 7.2 4.8 4.7 2.7 -0.8 -0.4 0.4 0.6 0.5	80.9 79.5  -15.4 35.8 -18.8 -2.0 8.0  -26.5 -28.5 -30.2  -36.1 -29.8 -1.9 17.2 28.9  21.7 22.8 3.9 9.0 12.7 31.1  38.6 42.9	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7 -0.2 12.3 8.0 12.0 6.5 3.1 2.2 -0.3 -2.9 -1.5	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3 3.8 -9.4 -2.0 12.3 12.3 27.9 -6.8 -0.1
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Cot Nov Dec  2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec  2022 Jan Feb Mar Apr May Jun Jul	107.1 107.5 106.5 ange, latest year of 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2 18.1 14.7 9.7 3.6 3.5 2.3 2.3 2.9 4.9	74.2 74.0  n previous year  4.3 7.6 -27.7 8.9 -3.3  on same month a y  -26.2 -20.3 -12.9  -13.6 -20.0 6.1 134.0 58.1 14.9  1.1 1.3 7.7 7.5 3.6 0.9  7 5.3 0.7 1.1 -4.0 -9.0	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear agc -3.4 0.5 0.9 -1.4 0.1 6.3 52.2 40.8 4.7 2.7 -0.8 -0.4 0.6 0.5 -3.9 -3.4 -4.8	80.9 79.5  -15.4 35.8 -18.8 -2.0 8.0  -26.5 -28.5 -30.2  -35.2 -36.1 -29.8 -1.9 17.2 28.9  21.7 22.8 -3.9 9.0 12.7 31.1 38.6 42.9 31.7 15.5 -1.9	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7 -0.2 12.0 6.5 3.1 2.2 -0.3 -2.9 -1.5 6.6 T 2.1 3.5 -3.1 -0.2 -8.6 -7.3	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3 3.8 -9.4 -3.0 0.7 1.4 12.3 12.3 27.9 -6.8 -0.1 -7.1 5.2 -1.1 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 2021 2020  Jan Feb Mar Apr May Jun  Jul Aug Sep Oct Nov Dec  2022  Jan Feb Mar Apr May Jun  Jul Aug Apr May Jun  Jul Aug Apr May Jun  Jul Aug Apr May Jun Jul Aug Apr May Jun Jul Aug Apr May Jun Jul Aug Apr May Jun	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2 18.1 14.7 9.7 3.6 3.3 2.3 2.3 2.3 2.9 4.9 7.8 6.7 6.5 1.6	74.2 74.0  n previous year  4.3 7.6 -27.7 8.9 -3.3  on same month a ye  -26.2 -20.3 -12.9  -13.6 -20.0 6.1 134.0 58.1 14.9  1.1 1.3 7.7 7.5 3.6 0.9  1.3 5.3 0.7 1.1 -4.0 -9.0 -4.6 -5.0	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear ags -3.4 0.5 0.9 -1.4 0.1 6.3 52.2 40.8 19.3 7.2 4.8 4.7 2.7 -0.8 -0.4 0.4 0.5 -3.9 -3.4 -4.8	80.9 79.5  -15.4 35.8 -18.8 -2.0 8.0  -26.5 -28.5 -30.2  -36.1 -29.8 -1.9 17.2 28.9  21.7 22.8 3.9 9.0 12.7 31.1  38.6 42.9 31.7 15.5 -1.9 -9.5 -8.3	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7 -0.2 12.3 8.0 12.0 6.5 3.1 2.2 -0.3 -2.9 -1.5 6.6 7 3.1 -0.2 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3 3.8 -9.4 -3.0 0.7 1.4 12.3 12.3 27.9 -6.8 -0.1 -7.1 5.2 -11.0 3.0 -7.1 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Cot Nov Dec  2021 Jan Feb Mar Apr May Jun  Jul Aug Sep Oct Nov Dec  2022 Jan Feb Nov Dec  2021 Jan Feb Mar Apr May Jun  Jul Aug Sep Oct Nov Dec  2022 Jan Feb Nar Apr May Jun Jul Aug Sep Oct Sov	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2 18.1 14.7 9.7 3.6 3.5 2.3 2.9 4.9 7.8 6.5 1.6 1.5 0.1	74.2 74.0  n previous year  4.3 7.6 -27.7 8.9 -3.3  on same month a ye  -26.2 -20.3 -12.9  -13.6 -20.0 6.1 134.0 58.1 14.9  1.1 1.3 7.7 7.5 3.6 0.9  7 5.3 0.7 1.1 -4.0 -9.0  -4.6 -5.0 -5.6	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear ags -3.4 0.5 0.9 -1.4 0.1 6.3 52.2 4.8 4.7 -0.8 -0.4 0.6 0.5 -3.9 -3.7 -5.2 -4.6 -5.2 -5.2 -5.2 -5.2 -6.6 -6.5 -7.6 -6.6 -7	80.9 79.5  -15.4 35.8 -18.8 -2.0 8.0  -26.5 -28.5 -30.2  -35.2 -36.1 -29.8 -1.9 17.2 28.9  21.7 22.8 3.9 9.0 12.7 31.1 38.6 42.9 31.7 15.5 -1.9 -9.5 -8.3 -5.4	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7 -0.2 12.3 8.0 12.0 6.5 3.1 2.2 -0.3 -2.9 -1.5 6.6 -3.1 -0.2 -8.6 -7.3 -6.0 -8.7	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3 3.8 -9.4 -3.0 0.7 1.4 12.3 12.3 27.9 -6.8 -0.1 -7.1 -7.1 -7.1 -7.2 -7.1 -7.2 -7.2 -7.2 -7.2 -7.2 -7.2 -7.2 -7.2
Oct Nov Dec  Percentage cha 2018 2019 2020 2021 2022  Percentage cha 2020 Cot Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Jul Aug Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Jul Aug Sep Oct Nov Dec	107.1 107.5 106.5 ange, latest year or 13.4 1.5 3.3 5.2 0.6 ange, latest month 7.5 7.9 5.1 2.1 0.5 0.2 18.1 14.7 9.7 3.6 3.3 2.3 2.3 2.3 2.9 4.9 7.8 6.7 6.5 1.6	74.2 74.0  n previous year  4.3 7.6 -27.7 8.9 -3.3  on same month a ye  -26.2 -20.3 -12.9  -13.6 -20.0 6.1 134.0 58.1 14.9  1.1 1.3 7.7 7.5 3.6 0.9  1.3 5.3 0.7 1.1 -4.0 -9.0 -4.6 -5.0	91.2 90.3 3.9 5.3 -7.6 9.4 -4.8 ear ags -3.4 0.5 0.9 -1.4 0.1 6.3 52.2 40.8 19.3 7.2 4.8 4.7 2.7 -0.8 -0.4 0.4 0.5 -3.9 -3.4 -4.8	80.9 79.5  -15.4 35.8 -18.8 -2.0 8.0  -26.5 -28.5 -30.2  -36.1 -29.8 -1.9 17.2 28.9  21.7 22.8 3.9 9.0 12.7 31.1  38.6 42.9 31.7 15.5 -1.9 -9.5 -8.3	94.8 93.2 8.9 14.1 5.3 3.7 -5.6 10.2 18.8 12.5 3.3 4.7 -0.2 12.3 8.0 12.0 6.5 3.1 2.2 -0.3 -2.9 -1.5 6.6 7 3.1 -0.2 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3	126.9 129.4 1.2 7.8 18.4 3.8 -3.2 17.7 12.6 18.4 16.4 5.9 -0.8 -15.3 3.8 -9.4 -3.0 0.7 1.4 12.3 12.3 27.9 -6.8 -0.1 -7.1 5.2 -11.0 3.0 -7.1 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7

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

<sup>&</sup>lt;sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

## Output of the Production Industries Chained volume indices of gross value added

ained volume indices of gross value added<sup>1</sup>
Seasonally adjusted 2019 = 100

continued	Dul-h				Anabinar ·	Seasonally adjusted 2019 = 100		
	Rubber and plastic products and non-metallic	Basic metals and metal	Computer, electronic and	Electrical	Machinery and equipment not elsewhere	Transport	Other manufacturing	
	mineral products	products	optical products	equipment	classified	equipment	and repai	
Section	CG	CH	CI	CJ	CK	CL	CM	
atest weight	52.8	81.3	50.5	18.0	54.6	108.3	67.4	
atest weight	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	
1021 1022	111.7 107.7	117.9 109.5	101.6 95.6	140.6 123.2	126.9 113.8	99.0 90.8	114.1 113.	
2021 Q4	110.0	112.0	101.2	132.2	117.0	94.7	114.	
2022 Q1	108.2	113.2	T 100.0 T	129.8 <sup>T</sup>	117.9 <sup>T</sup>	92.8	<sup>T</sup> 115.6	
Q2	110.1	111.6	95.3	124.0	114.6	92.0	113.1	
Q3	106.7	108.1	94.4	120.8	111.6	87.9	112.5	
Q4	105.7	105.1	92.6	118.2	111.2	90.5	111.1	
2021 Oct	110.7	113.9	99.7	133.3	116.8	96.5	115.7	
Nov Dec	111.5 107.8	112.3 109.8	101.7 102.2	131.6 131.8	119.0 115.2	94.6 92.9	115.5 112.9	
2022 Jan Feb	109.5 <sup>T</sup> 107.0	113.7 112.6	102.5 T 98.4	131.4 T	122.4 <sup>T</sup> 117.1	92.3 92.6	<sup>T</sup> 114.0 117.0	
Feb Mar	107.0	112.6	98.4 99.1	127.3 130.6	117.1	92.6	117.0	
Apr	110.4	113.1	95.4	125.1	112.3	93.8	112.2	
May	112.5	111.8	94.3	123.2	116.3	91.5	113.5	
Jun	107.5	110.0	96.1	123.7	115.2	90.7	113.5	
Jul	107.4 107.3	110.0 107.7	95.0 95.2	120.3 122.0	113.1 111.3	89.0 87.2	113.1 113.1	
Aug					110.3	87.6	111.2	
Aug Sen		106.6	93.1	120 1				
Sep	105.5	106.6 105.2	93.1 92.2	120.1 119.4	110.0			
Sep Oct Nov Dec	105.5 106.0 104.8 106.2	105.2 104.9 105.2	93.1 92.2 92.7 92.8	120.1 119.4 117.9 117.2		89.9 91.0 90.7	111.0 111.7 110.7	
Sep Oct Nov Dec	105.5 106.0 104.8	105.2 104.9 105.2	92.2 92.7	119.4 117.9	110.0 110.9	89.9 91.0	111.0 111.7	
Sep Oct Nov Dec Percentage of 2018 2019 2020	105.5 106.0 104.8 106.2 change, latest year of 4.8 2.5 -2.9	105.2 104.9 105.2 on previous year 1.1 -2.7 7.5	92.2 92.7 92.8 1.7 -1.2 -2.9	119.4 117.9 117.2 1.7 9.1 25.7	110.0 110.9 112.6 10.5 -8.9 -0.9	89.9 91.0 90.7 -2.1 -3.5 -8.1	111.0 111.7 110.7 4.6 -2.4 -1.2	
Sep Oct Nov Dec Percentage of 2018 2019 2020 2021	105.5 106.0 104.8 106.2 Change, latest year of 4.8 2.5	105.2 104.9 105.2 on previous year 1.1 -2.7	92.2 92.7 92.8 1.7 -1.2	119.4 117.9 117.2 1.7 9.1	110.0 110.9 112.6 10.5 -8.9	89.9 91.0 90.7 -2.1 -3.5	111.0 111.7 110.7 4.6	
Sep Oct Nov Dec Percentage of 2018 2019 2020 2021 2022	105.5 106.0 104.8 106.2 change, latest year of 4.8 2.5 -2.9 15.0	105.2 104.9 105.2 on previous year 1.1 -2.7 7.5 9.6 -7.1	92.2 92.7 92.8 1.7 -1.2 -2.9 4.5 -5.9	119.4 117.9 117.2 1.7 9.1 25.7 11.8	110.0 110.9 112.6 10.5 -8.9 -0.9 28.1	89.9 91.0 90.7 -2.1 -3.5 -8.1 7.8	111.0 111.7 110.7 4.6 -2.4 -1.2 15.7	
Sep Oct Nov Dec Percentage of 2018 2020 2021 2022 Oct	105.5 106.0 104.8 106.2 change, latest year of 4.8 2.5 -2.9 15.0 -3.6 change, latest month	105.2 104.9 105.2 on previous year 1.1 -2.7 7.5 9.6 -7.1 on same month	92.2 92.7 92.8 1.7 -1.2 -2.9 4.5 -5.9 a year agc	119.4 117.9 117.2 1.7 9.1 25.7 11.8 -12.4	110.0 110.9 112.6 10.5 -8.9 -0.9 28.1 -10.3	89.9 91.0 90.7 -2.1 -3.5 -8.1 7.8 -8.3	111.0 111.7 110.7 4.6 -2.4 -1.2 15.7 -1.0	
Sep Oct Nov Dec Percentage of 2018 2019 2020 2021 2022 Percentage of 2020 Oct Nov	105.5 106.0 104.8 106.2 change, latest year of 4.8 2.5 -2.9 15.0 -3.6 change, latest monti	105.2 104.9 105.2 on previous year 1.1 -2.7 7.5 9.6 -7.1 on same month	92.2 92.7 92.8 1.7 -1.2 -2.9 4.5 -5.9 a year ag:	119.4 117.9 117.2 1.7 9.1 25.7 11.8 -12.4	110.0 110.9 112.6 10.5 -8.9 -0.9 28.1 -10.3	89.9 91.0 90.7 -2.1 -3.5 -8.1 7.8 -8.3	111.0 111.7 110.7 4.6 -2.4 -1.2 15.7 -1.0	
Sep Oct Nov Dec Percentage of 2018 2019 2020 2021 2022 Percentage of 2020 Oct	105.5 106.0 104.8 106.2 change, latest year of 4.8 2.5 -2.9 15.0 -3.6 change, latest month	105.2 104.9 105.2 on previous year 1.1 -2.7 7.5 9.6 -7.1 on same month	92.2 92.7 92.8 1.7 -1.2 -2.9 4.5 -5.9 a year agc	119.4 117.9 117.2 1.7 9.1 25.7 11.8 -12.4	110.0 110.9 112.6 10.5 -8.9 -0.9 28.1 -10.3	89.9 91.0 90.7 -2.1 -3.5 -8.1 7.8 -8.3	111.0 111.7 110.7 4.6 -2.2 -1.2 15.7 -1.0	
Sep Oct Nov Dec 2018 2019 2020 2021 2020 Oct Nov Dec 2021 Jan	105.5 106.0 104.8 106.2 change, latest year of 4.8 2.5 -2.9 15.0 -3.6 change, latest monti 7.7 10.9 8.8	105.2 104.9 105.2 on previous year 1.1 -2.7 7.5 9.6 -7.1 on same month 15.7 17.4 18.3	92.2 92.7 92.8 1.7 -1.2 -2.9 4.5 -5.9 a year ags	119.4 117.9 117.2 1.7 9.1 25.7 11.8 -12.4 44.2 48.5 22.4 24.3	110.0 110.9 112.6 10.5 -8.9 -0.9 28.1 -10.3	89.9 91.0 90.7 -2.1 -3.5 -8.1 7.8 -8.3 -6.4 16.6 11.4	111.0 111.7 110.7 4.6 -2.4 -1.2 15.7 -1.0 5.6 8.2	
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Sep Oct Nov Dec 2018 2021 2022 2020 Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Apr May	105.5 106.0 104.8 106.2 change, latest year of the second	105.2 104.9 105.2 on previous year 1.1 -2.7 7.5 9.6 -7.1 on same month 15.7 17.4 18.3 10.4 10.4 17.9 53.2 39.7 18.2 10.3 6.7 -1.3 -4.7 -7.6 -11.7	92.2 92.7 92.8 1.7 -1.2 -2.9 4.5 -5.9 a year agc -3.0 2.2 -7.9 -2.0 4.0 6.7 27.6 7.9 10.2 4.3 -0.9 -1.9 -3.4 7.0	119.4 117.9 117.2 1.7 9.1 25.7 11.8 -12.4 44.2 48.5 22.4 24.3 22.0 27.3 58.7 53.1 24.4 9.3 -3.1 -7.4 -9.9 -15.0 -1.4 -7.6 -7.6 -7.5 -7.5 -7.5 -7.5 -7.5 -7.5 -7.5 -7.5	110.0 110.9 112.6 10.5 -8.9 -0.9 28.1 -10.3 8.9 15.0 32.8 23.3 23.1 52.4 148.3 83.8 31.4 26.0 26.8 23.5 5.3 -0.3 -11.8 -1.4 T	89.9 91.0 90.7 -2.1 -3.5 -8.1 7.8 -8.3 -6.4 16.6 11.4 -4.4 -0.1 26.2 138.7 93.3 31.1 10.5 -0.5 -10.4 -12.6 -18.6 -19.7 -11.6 -12.8 -11.9 -10.3 -1.9	111.0 111.1 110.1 110.1 4.6 -2.2 -1.2 15.5 -1.0 5.6 8.2 5.3 6.1 13.6 50.1 40.9 30.9 11.1 11.1 9.9 6.3 3.3 11.2 9.9 6.3 3.9	
Sep Oct Nov Dec 2011 Jan Feb Mar Apr May Jun Pec 2022 Jan Feb Mar Apr Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Pec 2022 Jan Feb Mar Apr May Apr Pec 2022 Jan Feb Mar Apr Mar Apr Pec 2022 Jan Feb Mar Apr Pec 2022 Jan Fe	105.5 106.0 104.8 106.2 change, latest year of 4.8 2.5 -2.9 15.0 -3.6 change, latest monti 7.7 10.9 8.8 5.6 6.1 23.5 111.7 53.2 21.0 10.2 5.4 4.6 2.3 0.9 -3.0 -3.0	105.2 104.9 105.2 In previous year 1.1 -2.7 7.5 9.6 -7.1 In on same month 15.7 17.4 18.3 10.4 10.4 17.9 53.2 39.7 18.2 10.3 6.7 -1.3 -4.7 -7.6 -11.7	92.2 92.7 92.8 1.7 -1.2 -2.9 4.5 -5.9 a year ag: -3.0 2.2 -7.9 -2.0 4.0 6.7 27.6 7.9 10.2 4.3 -9 10.2	119.4 117.9 117.2 1.7 9.1 25.7 11.8 -12.4 44.2 48.5 22.4 24.3 22.0 27.3 58.7 53.1 24.4 9.3 -3.1 -7.4 -9.9 -15.0 -1.4 -7.6 T	110.0 110.9 110.9 112.6 10.5 -8.9 -0.9 28.1 -10.3 8.9 15.0 32.8 23.3 23.1 52.4 148.3 83.8 31.4 26.0 26.8 23.5 -5.3 -0.3 -11.8 -7.3 -14.2 -15.4	89.9 91.0 90.7 -2.1 -3.5 -8.1 7.8 -8.3 -6.4 16.6 11.4 -4.4 -0.1 26.2 138.7 93.3 31.1 10.5 0.5 -10.4 -12.6 -19.7 -11.6 -12.8 -11.9 -10.3	111.1 111.1 110.1 110.1 4.1 -2.2 -1.1 15. -1.0 8.3 50.0 40.3 30.9 18.1 11.1 9.9 6.3 3.3	
Sep Oct Nov Dec 2018 2021 2022 2020 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul	105.5 106.0 104.8 106.2 change, latest year of 4.8 2.5 -2.9 15.0 -3.6 change, latest month 7.7 10.9 8.8 5.6 6.1 23.5 111.7 53.2 21.0 10.2 5.4 4.6 2.3 0.9 -3.0	105.2 104.9 105.2 on previous year 1.1 -2.7 7.5 9.6 -7.1 on same month 15.7 17.4 18.3 10.4 10.4 17.9 53.2 39.7 18.2 10.3 6.7 -1.3 -4.7 -7.6 -11.7	92.2 92.7 92.8 1.7 -1.2 -2.9 4.5 -5.9 a year agc -3.0 2.2 -7.9 -2.0 4.0 6.7 27.6 7.9 10.2 4.3 -0.9 -1.9 -3.4 7.0	119.4 117.9 117.2 1.7 9.1 25.7 11.8 -12.4 44.2 48.5 22.4 24.3 22.0 27.3 58.7 53.1 24.4 9.3 -3.1 -7.4 -9.9 -15.0 -1.4 -7.6 T -13.1 -9.5 -15.7 -20.1 -12.8 -14.8	110.0 110.9 112.6 10.5 -8.9 -0.9 28.1 -10.3 8.9 15.0 32.8 23.3 23.1 52.4 148.3 83.8 31.4 26.0 26.8 23.5 5.3 -0.3 -11.8 -1.4 <sup>7</sup> -7.3 -14.2 -15.4 -12.6 -13.3	89.9 91.0 90.7 -2.1 -3.5 -8.1 7.8 -8.3 -6.4 16.6 11.4 -4.4 -0.1 26.2 138.7 93.3 31.1 10.5 -0.5 -10.4 -12.6 -18.6 -19.7 -11.6 -12.8 -11.9 -6.7 -8.1	111.1 111.1 110.1 110.1 4.4.1 -2.2 -1.2 15.1 -1.0 5.0 6.3 30.9 18.1 11.1 9.9 6.3 3.3 11.1 11.9 9.4 4.3 3.3 0.2 -2.4	
Sep Oct Nov Dec 2018 2019 2020 2021 2022 2022 2021 Jan Feb Mar Apr Mov Dec 2022 Jan Feb Mar Apr Mov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Jun Jul Aug Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Jun Jul Aug Jun Jul Aug	105.5 106.0 104.8 106.2 change, latest year of 4.8 2.5 -2.9 15.0 -3.6 change, latest month 7.7 10.9 8.8 5.6 6.1 23.5 111.7 53.2 21.0 10.2 5.4 4.6 2.3 0.9 -3.0 -3.0	105.2 104.9 105.2 In previous year 1.1 -2.7 7.5 9.6 -7.1 In on same month 15.7 17.4 18.3 10.4 10.4 10.4 10.9 53.2 39.7 18.2 10.3 6.7 -1.3 -4.7 -7.6 -11.7 -6.1 -5.5 -6.5 -6.6 -9.2	92.2 92.7 92.8 1.7 -1.2 -2.9 4.5 -5.9 a year agc -3.0 2.2 -7.9 -2.0 4.0 6.7 27.6 7.9 10.2 4.3 -9 -1.9 -3.4 7.0	119.4 117.9 117.2 1.7 9.1 25.7 11.8 -12.4 44.2 48.5 22.4 24.3 22.0 27.3 58.7 53.1 24.4 9.3 -7.4 -9.9 -15.0 -1.4 -7.6 T -20.1 -12.8 -12.8	110.0 110.9 110.9 112.6 10.5 -8.9 -0.9 28.1 -10.3 8.9 15.0 32.8 23.3 23.1 52.4 148.3 83.8 31.4 26.0 26.8 23.5 -0.3 -1.18 -1.4 -12.6 -13.3 -11.4 -14.0	89.9 91.0 90.7 -2.1 -3.5 -8.1 7.8 -8.3 -6.4 16.6 11.4 -4.4 -0.1 26.2 138.7 93.3 31.1 10.5 0.5 -10.4 -12.6 -18.6 -19.7 -11.6 -12.8 -11.9 -6.7 -8.1 -11.6	111.0 111.7 110.7 110.7 110.7 4.6 -2.2 -1.2 15.7 -1.6 6.8 8.2 5.3 6.13.6 50.7 40.9 30.3 11.3 11.4 9.9 6.7 3.3 9.9 -2.2 -2.2 -2.2 -2.2	
Sep Oct Nov Dec 2011 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Dec 2022 Jan Feb Mar Apr May Jun May Jun May	105.5 106.0 104.8 106.2 change, latest year of 4.8 2.5 -2.9 15.0 -3.6 change, latest month 7.7 10.9 8.8 5.6 6.1 23.5 111.7 53.2 21.0 10.2 5.4 4.6 2.3 3.0 9 -3.0 -3.0 -3.0 -3.0 -3.0 -3.0 -3.0 -3.0	105.2 104.9 105.2 on previous year 1.1 -2.7 7.5 9.6 -7.1 on same month. 15.7 17.4 18.3 10.4 10.4 17.9 53.2 39.7 18.2 10.3 6.7 -1.3 -4.7 -7.6 -11.7 -6.1 -5.5 -6.6 -9.6 -9.2	92.2 92.7 92.8 1.7 -1.2 -2.9 4.5 -5.9 a year agc -3.0 2.2 -7.9 -2.0 4.0 6.7 27.6 7.9 10.2 4.3 -7.9 -1.9 -3.4 7.0 -3.4 7.0 -4.0 -6.6 -2.4 -4.0 -6.2 -5.8	119.4 117.9 117.2 1.7 9.1 25.7 11.8 -12.4 44.2 48.5 22.4 24.3 22.0 27.3 58.7 53.1 24.4 9.3 -3.1 -7.4 -9.9 -15.0 -1.4 -7.6 -13.1 -9.5 -15.7 -20.1 -12.8 -14.8 -10.9 -11.2 -10.4	110.0 110.9 112.6 10.5 -8.9 -0.9 28.1 -10.3 8.9 15.0 32.8 23.3 23.1 52.4 148.3 83.8 31.4 26.0 26.8 23.5 -0.3 -11.8 -1.4 -1.2.6 -13.3 -11.4 -14.0 -16.9 -5.8	89.9 91.0 90.7 -2.1 -3.5 -8.1 7.8 -8.3 -6.4 16.6 11.4 -4.4 -0.1 26.2 138.7 93.3 31.1 10.5 -0.5 -10.4 -12.6 -18.6 -19.7 -11.6 -12.8 -11.9 -6.7 -8.1 -11.9 -6.7	111.0 111.7 110.7 110.7 110.7 4.6 -2.4 -1.2 15.7 -1.0 5.6 6.8 8.2 50.3 30.9 11.4 9.5 6.7 3.5 0.2 -2.8 -2.8 -2.8 -2.8 -2.8 -2.8 -2.8 -2	
Sep Oct Nov Dec 2018 2019 2020 Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Aug Sep Jun Sep	105.5 106.0 104.8 106.2 2 change, latest year of 4.8 2.5 -2.9 15.0 -3.6 2 change, latest monti 7.7 10.9 8.8 5.6 6.1 23.5 111.7 53.2 21.0 10.2 5.4 4.6 2.3 0.9 -3.0 -3.0 -3.0 10.2 5.4 4.6 2.3 0.9 -3.0 -3.0 -3.0 -3.0 -3.0 -3.0 -3.0 -3.0	105.2 104.9 105.2 In previous year 1.1 -2.7 7.5 9.6 -7.1 In on same month 15.7 17.4 18.3 10.4 10.4 17.9 53.2 39.7 18.2 10.3 6.7 -7.6 -11.7 -6.1 -5.5 -6.6 -9.6 -9.2	92.2 92.7 92.8 1.7 -1.2 -2.9 4.5 -5.9 a year agc -3.0 2.2 -7.9 -2.0 4.0 6.7 27.6 7.9 10.2 4.3 -9 -1.9 -3.4 7.0	119.4 117.9 117.2 1.7 9.1 25.7 11.8 -12.4 44.2 48.5 22.4 24.3 22.0 27.3 58.7 53.1 24.4 9.3 -3.1 -7.4 -9.9 -15.0 -1.4 -12.8 -12.8	110.0 110.9 110.6 10.5 -8.9 -0.9 28.1 -10.3 8.9 15.0 32.8 23.3 23.1 52.4 148.3 83.8 31.4 26.0 26.8 23.5 5.3 -0.3 -11.8 -1.4 T -7.3 -14.2 -15.4 -12.6 -13.3	89.9 91.0 90.7 -2.1 -3.5 -8.1 7.8 -8.3 -6.4 16.6 11.4 -4.4 -0.1 126.2 138.7 93.3 31.1 10.5 0.5 -10.4 -12.6 -18.6 -19.7 -11.6 -12.8 -11.9 -6.7 -8.1 -11.6 -9.9	111.1 111.1 110.1 110.1 4.1 -2.2 -1.1 15.1 -1.1 5.6 6.3 30.9 40.3 30.9 18.1 11.1 11.1 9.9 6.3 3.3	

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

### Output of the Production Industries Chained volume indices of gross value added

Seasonally adjusted 2019 = 100 Food products, beverages Textiles, wearing apparel and Wood and Coke and Chemicals pharmaceutical paper products refined petroleum and tobacco leather products and printing products products Section СВ CC CD CE CF 110.8 25.5 48.0 18.5 44.3 49.0 Latest weight K22B K22F K22T K22X K22Z K239 Percentage change, latest month on previous month 2020 Oct 1.5 -5.4 5.0 -2.4 -0.4 -2.5 3.3 3.6 2.8 -0.7 -2.2 -1.3 3.1 -0.8 -2.0 0.9 Dec 2021 -1.9 -5.9 -0.5 -12.3 5.0 Jan -5.1 -3.0 7.6 2.2 Feb 0.9 -2.1 -0.3 0.4 -1.4 3.2 -11.7 Mar 0.7 0.8 1.1 4.6 8.9 5.1 Apr May 2.2 0.4 -0.3 14.4 -2.4 21.6 1.3 -0.4 2.6 -12.7 Jun -2.38.8 -4.0 0.9 -2.7 -1.7 Jul 6.3 -0.5 0.7 -2.2 0.4 -0.5 0.8 Aug Sep -0.4 0.8 0.4 2.2 -0.5 -4.7 -1.7 -0.8 2.4 -3.7 8.0 0.2 -0.4 -0.7 Nov 2.1 Dec -0.6 0.9 -0.3 0.6 14.9 2.6 <sup>T</sup> 2022 Jan 8.0 -1.7 0.3 2.0 -23.5 -0.2 -3.1 0.4 Feb 3.6 7.6 Mar 0.5 2.9 0.6 4.2 -0.1 -4.0 Apr May -0.1 2.6 -2.1 0.4 -1.6 -0.1 -3.0 -0.1 0.3 0.4 0.5 2.9 -1.8 -4.0 -3.8 -7.6 -6.1 1.0 0.7 -10.2 -0.4 -2.7 Jul Aug Sep -0.5 -0.7 0.2 -2.7 -1.4 1.8 -1.7 1.0 -3.7 -6.5 12.3 -2.7 1.2 Oct -0.2 -0.6 0.4 -22 Nov -13 0.9 -6.5 Dec -1.0 -0.2 -1.0 -1.6 2.0 -1.7 Percentage change, latest 3 months on same 3 months a year ago -22.3 7.6 22.9 2020 Oct Nov 7.6 -24.6 -2.3 -22.9 11.5 17.1 6.8 -20.0 -0.7 -28.4 16.2 Dec 13.7 Jan Feb 5.0 2.5 15.8 13.2 2021 -15.7 -31.2 11.3 -15.5 -0.1 -33.8 6.8 Mar 0.9 -10.1 1.6 -33.8 -24.6 2.6 5.5 6.6 15.8 Apr 5.8 16.1 -3.8 May 10.6 30.2 -4.2 -7.0 Jun 14.1 54.8 36.2 14.4 10.8 Jul 20.6 21.0 22.6 8.8 -2.9 Aug Sep 5.5 5.5 3.3 10.1 244 7.1 3.9 **-4** 0 3.1 5.6 14.1 -0.4 Oct Nov 2.7 2.5 5.4 6.2 4.1 2.2 8.3 4.2 1.6 -0.4 4.7 8.6 3.4 3.9 0.5 8.5 -1.6 17.5 5.2 3.2 17.0 0.6 T 2022 Jan -0.3 10.8 6.5 3.7 0.2 26.7 37.5 6.6 -4.7 Feb 2.3 3.7 4.0 7.0 Mar -1.0 -2.4 Apr May 4.9 0.7 -0.9 -0.8 3.1 29.0 -4.9 1.1 -4.0 -4.3 -4.0 -1.5 Jun 13.9 -0.2 -5.9 -4.5 -4.9 Jul 1.1 -5.4 Aug -1.3 -6.2 -6.5 -7.3 -7.3 -5.3 -7.8 -5.5 Sep -2.1 -2.5 -5.1 -6.1 -6.1 -7.4 -5.5 -1.4 -9.0 -2.9 -3.3 -6.6 -7.2 -8.8 -4.0 -4.8 -12.0

-9.2

Dec

-14.6

-1.3

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

# Output of the Production Industries Chained volume indices of gross value added Output of the Production Industries

	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products		Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repai
Section	CG	CH	CI	CJ	CK	CL	CM
atest weight	52.8	81.3	50.5	18.0	54.6	108.3	67.4
	K23B	K23G	K23N	K23P	K23R	K23T	K232
Percentage c	hange, latest month o	on previous mont	h				
.020 Oct	1.3	2.4	1.1	1.3	3.2	1.8	1.4
Nov Dec	2.2 0.5	1.7 2.4	3.6 -9.3	4.7 -13.6	7.7 9.3	5.2 -0.4	2.4
				-13.0	9.3	-0.4	1.1
021 Jan Feb	-1.1 0.8	-2.7 -1.6	5.5 4.7	6.3 3.0	-4.9 1.7	-9.8 1.7	1.4 1.3
Mar	5.0	1.6	-3.7	-1.5	5.5	-0.2	-0.
Apr	0.2	-	-2.1	2.8	-0.2	-1.4	0.
May	-3.6	2.2	1.1	3.9	0.1	-10.8	1.
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.
Sep Oct	1.5 -0.8	-1.9 -1.1	- -1.7	-1.2 -1.4	2.5 -12.0	-1.4 -0.7	-0.: -0.:
Nov	0.8	-1.4	2.0	-1.3	1.9	-2.0	-0.:
Dec	-3.3	-2.2	0.4	0.2	-3.3	-1.8	-2.:
022 Jan	1.6 <sup>T</sup>	3.5	T 0.3 T	-0.4 <sup>T</sup>	6.3 <sup>T</sup>	-0.7	T 0.9
Feb	-2.3	-1.0	-4.0	-3.1	-4.4	0.3	2.
Mar	1.0	0.5	0.6	2.6	-2.4	0.9	-1.
Apr May	2.2 1.8	-0.1 -1.1	-3.7 -1.2	-4.2 -1.5	-1.7 3.5	0.5 -2.5	-3. <sup>1</sup> 1.
Jun	-4.4	-1.6	2.0	0.4	-0.9	-0.9	0.
Jul	-0.1	_	-1.2	-2.7	-1.8	-1.8	-0.
Aug	-0.1	-2.1	0.3	1.4	-1.6	-2.1	0.
Sep Oct	-1.7 0.5	-1.1 -1.3	-2.2 -1.0	-1.6 -0.6	-0.9 -0.3	0.5 2.6	-1.5
Nov	-1.2	-1.3 -0.4	-1.0 0.5	-0.6 -1.2	-0.3 0.8	1.3	-0.: 0.
Dec	1.4	0.4	0.1	-0.6	1.6	-0.3	-0.9
Percentage c	hange, latest 3 month	ns on same 3 mor	nths a year ago				
.020 Oct	6.3	13.8	-0.2	42.5	6.7	2.6	5.2
Nov	8.4	15.9	-0.5	44.9	10.7	9.6	5.4
Dec	9.1	17.1	-2.9	38.1	18.7	11.4	6.9
021 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.
Mar Apr	11.3 35.5	12.8 24.7	2.8 11.6	24.5 34.3	32.0 61.1	5.7 35.3	8.: 20.:
Aрі Мау	55.1	35.4	13.2	45.3	87.1	72.6	32.
Jun	54.3	35.5	14.5	44.2	75.7	77.5	39.
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.
Sep	6.7	5.1	1.7	-0.7	25.4	-0.5	13.
Oct Nov	4.1 2.6	0.1 -4.5	-0.4 -1.5	-6.8 -10.8	18.2 9.1	-7.8 -13.9	10. 9.
Dec	0.1	-8.0	0.4	-9.1	-2.8	-17.0	6.
022 Jan	-0.8 <sup>†</sup>	-8.5	† 1.6 <sup>†</sup>	-8.3 <sup>†</sup>	-4.7	-16.8	<sup>†</sup> 4.
Feb	-2.2	-7.8	0.5	-7.5	-6.9 <sup>T</sup>	-14.9	3.
Mar	-3.7	-6.1	-2.5	-10.1	-7.8	-12.1	3.
Apr May	-5.3 -4.1	-6.2 -7.6	-4.4 -4.2	-12.8 -15.2	-12.4 -14.1	-11.7 -8.3	2. 1.:
Jun	-3.1	-8.5	-5.3	-16.3	-13.8	-6.5	-0.9
Jul	-2.4	-8.6	-6.4	-16.0	-12.4	-5.6	-2.
	-3.2	-8.1	-6.4	-12.8	-12.9	-8.8	<b>-2</b> .
Aug	0.7	7.5	-7.1	-12.3	-14.1	-9.9	-3.
Sep	-3.7	-7.5					
	-3.7 -4.1 -5.3	-7.8 -7.2	-7.1 -7.2 -8.2	-10.8 -10.7	-12.5 -10.1	-9.5 -6.9	-3. -3.

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 $<sup>^\</sup>dagger$  indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

### Output of the Production Industries Chained volume indices of gross value added Chained volume indices of gross value added

Seasonally adjusted 2019 = 100 Food products, beverages Textiles, wearing apparel and Wood and paper products Chemicals Coke and pharmaceutical products and refined petroleum and tobacco leather products and printing products products preparations Section СВ CC CD CE CF 110.8 25.5 48.0 18.5 44.3 49.0 Latest weight K22B K22P K22T K22X K22Z K239 Percentage change, latest 3 months on previous 3 months 2020 Oct 15.0 10.5 6.4 -7.0 3.2 0.1 -1.6 -0.5 8.3 4.7 12.7 2.6 7.6 8.0 -8.6 -7.3 Dec 2021 Jan -1.9 1.5 4.0 -5.8 4.2 -2.9 -3.4 -2.9 0.7 2.2 Feb 0.6 -13.0 -0.8 -2.2 -0.2 -14.6 -7.5 -5.3 -3.3 0.3 Mar 2.0 3.6 0.9 Apr May 5.6 3.9 2.2 5.8 -0.9 2.0 23.0 Jun 5.6 8.2 3.2 -1.4 3.8 1.9 5.6 0.9 0.3 -1.9 1.5 1.2 5.4 -0.7 Jul 27.4 Aug 19.9 Sep 0.5 0.1 -1.9 -1.5 -1.5 -1.1 5.8 -2.4 -1.5 -0.6 2.5 3.3 9.3 Nov 0.2 -0.9 -5.6 2.3 0.1 -0.3 -2.4 Dec 0.3 3.2 <sup>T</sup> 2.0 2.8 0.3 -13.7 2022 Jan 0.5 -0.6 T -0.4 1.8 -1.7 -2.4 -1.2 1.0 5.8 8.2 8.7 0.3 -0.6 Feb 0.3 Mar 0.5 0.1 0.4 -3.2 -3.1 Apr May -8.8 -7.6 -0.5 -2.9 7.7 Jun -0.3 0.1 1.9 -4.8 1.9 Jul -2.8 -6.4 1.2 Aug Sep -2.5 -2.7 -4.6 -3.0 -4.4 -3.3 -13.1 -14.3 -6.2 -4.9 -1.1 -1.6 -2.3 -1.4 -1.7 -1.3 -4.1 -3.5 -8.7 -3.1 -4.4 -5.0 3.9 12.5 Oct

-3.6

-0.9

-2.1

Nov

Dec

-5.7

14.2

0.7

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

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

## OP5 Output of the Production Industries

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

Seasonally adjusted 2019 = 100 Rubber and Machinery and plastic products Basic metals Computer, equipment not Other electronic and manufacturing and non-metallic and metal Electrical elsewhere Transport mineral products products optical products equipment classified equipment and repair Section СН CJ CK СМ CG CI CL 52.8 81.3 50.5 18.0 54.6 108.3 67.4 Latest weight K23B K23G K23N K23P K23R K23T K23Z Percentage change, latest 3 months on previous 3 months 2020 Oct 19.7 6.9 26.5 16.6 50.9 17.0 9.3 5.8 11.9 9.5 5.2 0.8 11.0 16.1 28.9 16.3 8.6 5.0 Nov 16.7 Dec 4.8 2021 Jan 6.0 -0.6 16.8 2.0 2.2 3.7 -2.6 -7.5 Feb 2.0 -1.8 -5.9 12.8 4.6 -0.8 Mar -1.1 1.8 6.3 3.7 1.9 4.8 -5.8 2.3 Apr -1.5 1.6 May 0.3 -0.1 5.8 2.7 4.7 -6.91.5 2.2 4.1 1.2 1.3 Jun -1.9 4.0 -6.8 Jul -2.4 0.4 -0.5 -0.4 0.3 -9.2 3.2 -3.6 -2.4 -2.5 -4.2 1.4 1.0 -6.0 -7.0 -2.3 -2.3 -3.6 -0.8 3.7 2.0 Aug Sep -0.9 -4.5 -7.3 -3.7 Oct -0.8 1.7 0.4 -4.3 -1.0 -5.5 -0.8 Nov Dec -0.8 -4.2 -0.5 -4.0 -9.9 -3.0 -1.0 <sup>†</sup> 1.3 † -26 T -4.3 <sup>†</sup> 2022 Jan -3.1 -5.9 -17 -2.9 -1.7 -2.4 -1.9 -3.7 -2.0 -0.9 -1.5 0.1 -3.7Feb Mar 1.0 -1.2 0.8 0.8 -1.0 -4.4 -3.0 -3.6 0.8 Apr May 2.1 0.6 -4.7 -2.9 -3.3 0.3 -0.8 -4.7 Jun 1.8 -1.3 -4.4 -2.8 -0.8 -2.2 -2.6 Jul 0.6 -2.1 -4.1 0.3 -3.0 -1.4 -3.1 -0.8 -3.4 Aug -2.7 -0.9 -4.2 -0.4 Sep -3.1 -3.2 -0.9 -2.6 -2.7 -4.4 -0.4 Oct -2.6 -3.7 -1.7 -1.6 -3.8 -2.4 -1.4 -3.4 -2.8 -2.9 -2.4 -2.2 -2.5 -1.8 Nov -1.8 0.6 -2.0 -0.4 3.0 -1.0 -1.3Dec

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

 $<sup>^\</sup>dagger$  indicates that data are new or have been revised. The period market is the earliest in the table to have been revised.



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