Office for National Statistics

Statistical bulletin

Index of Production, UK: November 2022

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

- Monthly production output fell by 0.2% between October and November 2022 and is 2.5% below February 2020; this was the last month of "normal" trading conditions before the coronavirus (COVID-19) pandemic.

- The monthly fall in output resulted from a decline in two of the four production sectors, with manufacturing falling by 0.5%, and electricity and gas by 0.4%; this was offset by growth from mining and quarrying and water supply and sewerage, which rose by 2.8% and 0.2% respectively.

- Manufacturing saw 6 of its 13 sub-sectors negatively contributing to growth during November 2022; most notably, the manufacture of basic pharmaceutical products, which contributed negative 0.28 percentage points to the Index of Production (IoP) (with growth falling by 4.3%), and the manufacture of chemicals and chemical products, which contributed negative 0.12 percentage points (with growth falling by 2.8%).

- Partially offsetting the negative growth in manufacturing was a positive contribution of 0.10 percentage points (with growth rising by 1.1%) from manufacture of transport equipment, the third consecutive period of monthly strength from this sub-sector.

- Output remained below the February 2020 pre-coronavirus pandemic levels in the mining and quarrying (13.6% below), electricity and gas (3.1% below) and manufacturing (2.5% below) sectors.

- In contrast, water supply and sewerage were above the February 2020 level, at 7.7%.

- Production output for the three months to November 2022 declined by 1.4% compared with the three months to August 2022, with falls in electricity and gas (3.0%), mining and quarrying (1.7%), manufacturing (1.2%) and water supply and sewerage (1.1%).

- Further analysis of the effect on our monthly IoP estimate is available in our [Gross domestic product (GDP) monthly estimate, UK: November 2022](#) bulletin, published 13 January 2023.

More about economy, business and jobs

- All ONS analysis, summarised in our [economy, business and jobs roundup](#).
- 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 13 January 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 January 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 January 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 January 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 January 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 Business, Energy and Industrial Strategy (BEIS), and the International Steel Statistics Bureau (ISSB) for steel industries.

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

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

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

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 BEIS, 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 Coronavirus (COVID-19) data and analysis web page. This is the hub for all special coronavirus-related publications, including the fortnightly Business Insights and Conditions Survey (BICS).

Economic statistics governance after EU exit

Following the UK's exit from the EU, new governance arrangements are being put in place. 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: November 2022
Bulletin | Released 13 January 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: October 2022
Bulletin | Released 16 November 2022
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
Bulletin | Last updated 22 December 2022
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 13 January 2023, ONS website, statistical bulletin, Index of Production, UK: November 2022

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

Output of the Production Industries, November 2022

IOP5 Output of the Production Industries
Chained volume indices of gross value added[1]

Seasonally adjusted 2019 = 100

	Broad industry groups						Main industrial groupings				
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
Section	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight	1 000.0	78.4	724.6	109.7	87.4	65.8	66.6	193.8	269.3	243.0	220.1
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2017	94.6	92.1	94.8	90.6	99.2	92.6	98.5	88.6	101.6	92.5	92.7
2018	97.7	97.9	98.9	87.7	100.3	98.8	100.8	96.3	104.3	95.9	92.8
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	101.3	96.8	100.1	109.1	104.8	96.5	96.0	103.8	95.9	103.1	102.1
2021	108.6 ^T	85.5 ^T	109.8	114.6 ^T	112.9	81.4 ^T	104.7 ^T	109.0	107.8 ^T	113.5	99.8 ^T
2021 Q3	108.8 ^T	90.9 ^T	110.0 ^T	111.1 ^T	113.0 ^T	87.3 ^T	107.1 ^T	109.4 ^T	108.0 ^T	112.8 ^T	100.3 ^T
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	106.8	89.6	106.9	111.5	115.9	85.3	105.8	108.3	103.1	109.7	100.6
Q2	105.4	87.1	105.5	110.0	115.8	83.6	102.4	109.2	100.5	107.3	99.0
Q3	102.8	86.0	102.6	107.7	113.4	82.2	101.1	106.8	97.7	104.0	96.3
2021 Sep	108.3	93.7 ^T	109.6 ^T	108.3 ^T	111.3 ^T	90.8 ^T	106.8 ^T	108.7	108.3 ^T	112.0	100.3 ^T
Oct	107.2 ^T	90.0	108.8	102.9	115.0	86.7	104.3	111.5 ^T	104.5	111.8 ^T	95.6
Nov	107.5	87.7	108.5	108.9	115.0	83.1	106.1	111.1	104.4	111.4	98.0
Dec	107.5	85.6	108.5	109.7	115.7	81.2	105.1	116.5	102.8	109.0	97.7
2022 Jan	107.1	89.3	107.2	112.2	116.0	84.6	106.6	106.9	104.3	111.0	100.7
Feb	106.7	89.4	106.6	112.1	115.7	85.6	104.8	109.1	102.6	108.6	100.6
Mar	106.7	90.0	106.8	110.2	115.9	85.7	106.0	109.0	102.4	109.5	100.6
Apr	105.9	87.4	105.9	110.2	117.2	83.5	102.3	109.1	100.7	108.2	99.9
May	105.8	87.9	106.1	110.3	114.3	84.2	102.0	110.0	100.8	108.5	99.2
Jun	104.6	86.0	104.5	109.4	115.8	83.1	102.8	108.6	99.9	105.3	98.0
Jul	103.8	90.5	103.5	108.3	112.8	87.8	102.0	107.5	98.7	105.0	98.6
Aug	102.3	83.0	102.3	107.3	113.4	78.5	102.0	105.6	97.3	104.6	95.0
Sep	102.2	84.4	101.9	107.4	114.0	80.2	99.3	107.4	97.2	102.5	95.3
Oct	102.1	84.1	102.6	104.2	112.1	80.5	98.0	109.9	97.8	101.8	93.5
Nov	101.9	86.5	102.1	103.7	112.3	83.5	99.0	108.3	98.0	100.9	93.8

Percentage change, latest year on previous year

2017	-0.2	-7.8	1.2	-7.1	0.6	-5.3	3.1	-2.8	6.6	-1.6	-5.7
2018	3.3	6.3	4.3	-3.2	1.1	6.7	2.3	8.6	2.7	3.7	0.1
2019	2.3	2.2	1.2	14.0	-0.3	1.2	-0.7	3.9	-4.1	4.2	7.8
2020	1.2	-3.2	0.1	9.1	4.8	-3.5	-4.0	3.8	-4.1	3.1	2.1
2021	7.3 ^T	-11.7 ^T	9.7	5.1 ^T	7.8 ^T	-15.7 ^T	9.1 ^T	5.0	12.5 ^T	10.1	-2.2 ^T

Percentage change, latest month on same month a year ago

2020 Sep	5.7	-8.3	6.6	10.4	5.5	-9.7	1.4	6.1	4.5	10.4	1.0
Oct	5.8	1.6	6.8	1.8	6.2	2.6	-0.3	5.4	4.2	11.6	-0.3
Nov	7.8	-4.0	10.5	-1.7	8.9	-4.3	4.1	5.0	11.0	15.9	-4.0
Dec	8.4	3.8	9.6	2.8	10.0	5.9	-4.7	4.6	11.3	13.8	1.3
2021 Jan	4.6 ^T	-3.7 ^T	4.3	9.8 ^T	6.7 ^T	-4.0 ^T	-1.0 ^T	2.7	3.3 ^T	8.1 ^T	1.5 ^T
Feb	4.1	-12.8	4.4	10.9	7.2	-14.8	2.0	-1.3 ^T	6.7	9.2	-1.5
Mar	10.5	-4.2	13.0	7.7	6.7	-4.9	8.6	-0.7	24.8	14.9	0.9
Apr	34.0	-23.4	48.4 ^T	19.9	13.8	-32.1	48.7	11.0	80.9	55.8	-0.9
May	26.4	-22.5	35.2	25.3	13.2	-29.4	21.6	12.9	52.4	38.1	3.8
Jun	11.5	-33.0	17.3	10.9	8.8	-40.6	21.2	4.2	23.9	18.5	-5.7
Jul	5.8	-19.7	9.0	2.0	8.3	-24.7	10.0	1.4	13.5	8.7	-5.5
Aug	4.3	2.7	5.6	-3.3	5.3	1.1	4.8	2.6	7.9	4.9	-1.2
Sep	1.7	1.2	2.4	-5.5	5.7	-0.4	4.5	3.1	2.7	0.6	-2.6
Oct	-0.4	-5.3	0.2	-7.3	7.3	-8.0	0.6	6.0	-2.5	-1.9	-6.1
Nov	-1.7	-4.6	-2.5	-1.5	6.7	-8.0	-1.0	6.5	-6.8	-4.9	-2.5
Dec	-2.4	-11.6	-2.2	-3.4	4.5	-16.4	6.9	12.6	-9.0	-6.2	-6.3
2022 Jan	-1.2	-4.9	-1.2	-4.4	5.1	-8.0	4.1	2.9	-4.2	-2.5	-2.8
Feb	-2.0	2.5	-2.5	-5.5	3.6	1.3	-0.4	4.8	-7.5	-4.7	-1.3
Mar	-2.7	1.5	-3.5	-5.4	3.3	-0.9	3.2	2.3	-8.6	-4.5	-1.2
Apr	-2.7	18.7	-4.4	-8.1	5.5	22.9	1.3	2.8	-9.4	-7.1	2.3
May	-4.1	14.4	-4.8	-13.7	2.9	18.1	0.1	-1.9	-6.0	-7.0	-4.3
Jun	-3.8	25.1	-5.6	-9.2	1.9	36.1	-3.8	1.3	-7.9	-9.1	0.9
Jul	-4.6	10.5	-6.1	-5.6	-1.4	14.7	-5.4	-2.0	-7.9	-7.7	-0.1
Aug	-6.5	-14.5	-7.2	-2.7	0.1	-17.0	-4.3	-3.8	-10.2	-7.2	-6.8
Sep	-5.7	-9.9	-7.0	-0.8	2.4	-11.6	-7.1	-1.2	-10.3	-8.4	-5.0
Oct	-4.7	-6.5	-5.7	1.3	-2.5	-7.1	-6.0	-1.4	-6.4	-9.0	-2.1
Nov	-5.1	-1.4	-5.9	-4.7	-2.3	0.4	-6.7	-2.6	-6.1	-9.4	-4.3

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

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

	Broad industry groups						Main industrial groupings				
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
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Latest weight	1 000.0	78.4	724.6	109.7	87.4	65.8	66.6	193.8	269.3	243.0	220.1
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T

Percentage change, latest month on previous month

2020 Sep	1.6	-2.1	2.6	0.4	-2.1	-2.6	0.5	-1.5	5.0	3.6	-0.1
Oct	1.0	2.7	1.4	-3.2	1.8	3.3	1.5	-0.3	1.6	2.4	-1.2
Nov	1.6	-3.3	2.5	-0.4	0.6	-4.1	3.4	-0.7	4.6	2.8	-1.3
Dec	0.7	5.3	-0.3	2.8	2.8	7.6	-8.2	-0.9	0.7	-0.8	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	0.3	-7.2	0.8	1.1	1.2	-8.1	2.7	0.3 †	1.9	0.1	-1.7
Mar	0.8	1.7	1.2	-1.8	0.4	2.3	-2.4	2.2	1.1	0.7	-
Apr	-0.8	-17.0	0.1	2.9	-1.0	-21.5	-1.7	-0.4	-0.8	1.5	-4.1
May	1.4	4.3	0.6	6.6	-	5.0	1.0	5.7	-3.6	0.1	6.2
Jun	-1.6	-10.5	-0.7	-5.8	2.4	-14.3	4.8	-4.4	1.2	-0.7	-6.2
Jul	0.2	19.1	-0.4	-4.7	0.6	25.4	0.9	2.3	-1.2	-1.8	1.5
Aug	0.5	18.6	-0.1	-3.9	-1.0	23.6	-1.1	0.1	1.1	-0.9	3.2
Sep	-1.0	-3.5	-0.5	-1.8	-1.7	-4.0	0.2	-1.1	-	-0.6	-1.5
Oct	-1.0	-3.9	-0.7	-5.0	3.3	-4.5	-2.3	2.5	-3.6	-0.1	-4.7
Nov	0.2	-2.6	-0.3	5.8	-	-4.1	1.7	-0.3	-0.1	-0.4	2.5
Dec	-	-2.4	-	0.7	0.7	-2.3	-0.9	4.8	-1.6	-2.2	-0.3
2022 Jan	-0.3	4.3	-1.2	2.3	0.2	4.1	1.4	-8.2	1.5	1.9	3.1
Feb	-0.4	0.1	-0.6	-0.1	-0.2	1.2	-1.7	2.1	-1.6	-2.2	-0.2
Mar	-	0.7	0.2	-1.7	0.2	0.1	1.2	-0.1	-0.1	0.9	-
Apr	-0.7	-2.9	-0.9	0.1	1.1	-2.6	-3.5	0.1	-1.6	-1.2	-0.7
May	-0.1	0.6	0.2	0.1	-2.4	0.9	-0.3	0.8	-	0.3	-0.7
Jun	-1.2	-2.1	-1.5	-0.8	1.3	-1.3	0.7	-1.2	-0.9	-3.0	-1.1
Jul	-0.7	5.2	-0.9	-1.0	-2.6	5.7	-0.7	-1.0	-1.2	-0.3	0.6
Aug	-1.5	-8.2	-1.2	-0.9	0.5	-10.6	-	-1.7	-1.4	-0.4	-3.7
Sep	-0.1	1.7	-0.4	0.1	0.6	2.2	-2.7	1.6	-0.2	-1.9	0.3
Oct	-0.1	-0.3	0.7	-3.0	-1.7	0.3	-1.3	2.4	0.6	-0.8	-1.8
Nov	-0.2	2.8	-0.5	-0.4	0.2	3.7	1.0	-1.5	0.2	-0.8	0.3

Percentage change, latest 3 months on same 3 months a year ago[2]

2020 Sep	4.7	-2.0	4.2	12.1	5.8	-2.4	0.9	7.4	-0.3	8.0	3.6
Oct	5.7	-3.1	6.1	8.8	6.0	-3.3	1.1	6.9	3.1	10.0	1.7
Nov	6.4	-3.7	7.9	3.3	6.8	-4.0	1.7	5.5	6.6	12.6	-1.1
Dec	7.3	0.4	9.0	1.0	8.3	1.3	-0.3	5.0	8.8	13.8	-1.0
2021 Jan	6.9	-1.3 †	8.1	3.5 †	8.5 †	-0.9 †	-0.6	4.1	8.5 †	12.6 †	-0.4 †
Feb	5.7 †	-4.4	6.1	7.8	7.9	-4.6	-1.3 †	1.9	7.1	10.3	0.4
Mar	6.3	-7.0	7.1	9.4	6.9	-8.0	3.0	0.2 †	11.0	10.7	0.3
Apr	14.8	-13.6	19.3	12.6	9.1	-17.7	16.3	2.7	31.0	23.7	-0.5
May	22.8	-16.9	30.6 †	17.4	11.1	-22.7	24.1	7.4	49.1	34.3	1.3
Jun	23.3	-26.4	32.4	18.5	11.9	-34.1	29.1	9.3	49.0	35.8	-1.0
Jul	14.0	-25.1	19.6	12.3	10.1	-31.6	17.3	6.0	28.0	20.7	-2.6
Aug	7.1	-17.2	10.4	3.1	7.5	-22.1	11.6	2.7	14.7	10.5	-4.2
Sep	3.9	-5.7	5.6	-2.3	6.4	-8.5	6.4	2.3	7.8	4.6	-3.1
Oct	1.9	-0.5	2.7	-5.3	6.1	-2.5	3.3	3.9	2.6	1.2	-3.3
Nov	-0.1	-2.9	-	-4.7	6.6	-5.5	1.3	5.2	-2.3	-2.1	-3.7
Dec	-1.5	-7.2	-1.5	-4.1	6.2	-10.9	2.0	8.3	-6.2	-4.3	-5.0
2022 Jan	-1.8	-7.1	-2.0	-3.1	5.4	-10.9	3.2	7.3	-6.7	-4.5	-3.9
Feb	-1.9	-4.9	-2.0	-4.5	4.4	-8.1	3.4	6.7	-6.9	-4.5	-3.5
Mar	-2.0	-0.4	-2.4	-5.1	4.0	-2.7	2.3	3.3	-6.8	-3.9	-1.8
Apr	-2.5	6.9	-3.5	-6.4	4.1	6.7	1.4	3.3	-8.5	-5.5	-0.1
May	-3.2	10.9	-4.2	-9.2	3.9	12.3	1.6	1.0	-8.0	-6.2	-1.2
Jun	-3.5	19.2	-4.9	-10.4	3.4	25.2	-0.8	0.7	-7.8	-7.8	-0.5
Jul	-4.2	16.2	-5.5	-9.6	1.1	22.1	-3.1	-0.9	-7.3	-7.9	-1.2
Aug	-5.0	4.8	-6.3	-5.9	0.2	7.4	-4.5	-1.5	-8.7	-8.0	-2.1
Sep	-5.6	-5.4	-6.8	-3.1	0.4	-5.9	-5.6	-2.4	-9.5	-7.8	-4.0
Oct	-5.6	-10.4	-6.6	-0.8	-	-12.1	-5.8	-2.2	-9.0	-8.2	-4.7
Nov	-5.2	-6.0	-6.2	-1.5	-0.8	-6.3	-6.6	-1.7	-7.6	-8.9	-3.8

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

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

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

IOP5 Output of the Production Industries
Chained volume indices of gross value added[1]

Seasonally adjusted 2019 = 100

	Broad industry groups						Main industrial groupings				
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
Section	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight	1 000.0	78.4	724.6	109.7	87.4	65.8	66.6	193.8	269.3	243.0	220.1
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T

Percentage change, latest 3 months on previous 3 months[2]

2020	Sep	18.1	-2.9	24.3	9.8	6.1	-5.8	25.9	7.7	37.0	25.8	3.0
	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	2.1	2.9	5.1	0.6	-1.9	-1.6	-1.8
	Sep	-0.4	24.4	-0.9	-9.5	0.9	30.8	3.7	0.9	-0.9	-3.0	0.8
	Oct	-0.9	23.4	-1.2	-11.4	0.1	30.3	0.4	0.3	-0.5	-2.8	-0.6
	Nov	-1.2	9.6	-1.3	-7.3	-	12.2	-1.2	1.4	-2.1	-2.1	-1.3
	Dec	-1.4	-3.4	-1.3	-3.5	2.0	-4.2	-1.8	3.3	-3.8	-1.8	-3.2
2022	Jan	-0.9	-6.5	-1.3	2.9	2.1	-8.5	-	1.3	-3.0	-1.5	-0.5
	Feb	-0.5	-2.6	-1.4	4.4	1.8	-3.5	-0.2	0.3	-2.4	-2.0	1.7
	Mar	-0.5	2.0	-1.6	4.0	0.6	1.9	0.6	-4.1	-0.8	-0.9	3.7
	Apr	-0.9	1.6	-1.5	0.5	0.6	2.4	-1.5	-2.2	-1.8	-1.5	1.6
	May	-0.9	0.4	-1.1	-1.0	-	0.8	-2.0	-1.3	-1.8	-0.7	0.2
	Jun	-1.3	-2.8	-1.3	-1.3	-0.1	-2.0	-3.3	0.8	-2.5	-2.2	-1.6
	Jul	-1.6	-0.9	-1.7	-1.4	-1.7	0.1	-2.0	-0.3	-2.1	-2.3	-1.7
	Aug	-2.4	-2.2	-2.7	-1.7	-1.6	-1.6	-1.1	-1.9	-2.6	-3.5	-2.7
	Sep	-2.5	-1.3	-2.8	-2.1	-2.1	-1.7	-1.2	-2.2	-2.7	-3.0	-2.8
	Oct	-2.4	-4.8	-2.3	-2.8	-1.0	-6.2	-2.4	-1.0	-2.4	-3.1	-4.1
	Nov	-1.4	-1.7	-1.2	-3.0	-1.1	-2.1	-3.4	1.2	-1.0	-3.0	-3.1

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

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

IOP5
continued

Output of the Production Industries
Chained volume indices of gross value added[1]

	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	CB	CC	CD	CE	CF
Latest weight	110.8	25.5	48.0	14.2	44.3	49.0
	K22B	K22P	K22T	K22X	K22Z	K239
2017	86.9	89.1	91.4	87.0	80.5	91.7
2018	98.5	92.9	95.0	73.6	87.7	92.8
2019	100.0	100.0	100.0	100.0	100.0	100.0
2020	103.4	72.3	92.4	81.2	105.3	118.4
2021	108.7 †	78.8 †	101.0	79.6 †	109.3 †	122.9 †
2021 Q3	110.4 †	79.5 †	100.9 †	86.3 †	108.7 †	121.1 †
Q4	110.7	79.6	100.5	84.3	111.1	132.4
2022 Q1	111.1	77.0	100.7	91.6	110.6	114.5
Q2	110.9	77.4	97.8	93.7	106.2	116.6
Q3	108.2	75.2	94.6	83.3	101.7	115.4
2021 Sep	109.9 †	79.9	101.6 †	83.7 †	107.9 †	118.4 †
Oct	110.8	79.6 †	101.1	82.3	110.5	127.8
Nov	111.0	79.2	100.4	84.4	111.1	125.3
Dec	110.3	79.9	100.1	86.1	111.8	144.0
2022 Jan	111.1	78.2	100.4	88.2	113.5	110.1
Feb	110.9	75.2	100.5	90.9	108.8	118.7
Mar	111.4	77.7	101.2	95.8	109.4	114.7
Apr	111.2	80.1	98.7	96.2	107.5	113.8
May	111.6	77.7	99.3	96.5	108.1	117.3
Jun	109.8	74.4	95.4	88.5	102.9	118.7
Jul	108.9	74.9	96.9	83.0	102.2	115.2
Aug	108.3	75.4	94.0	84.0	103.2	110.2
Sep	107.4	75.2	92.9	83.0	99.6	120.9
Oct	107.3	73.5	92.3	84.0	98.4	131.2
Nov	107.8	74.0	91.3	85.0	95.7	125.6

Percentage change, latest year on previous year

2017	-4.0	4.9	0.4	-7.2	-5.1	-2.0
2018	13.4	4.3	3.9	-15.4	8.9	1.2
2019	1.5	7.6	5.3	35.8	14.1	7.8
2020	3.3	-27.7	-7.6	-18.8	5.3	18.4
2021	5.2	8.9 †	9.4 †	-2.0 †	3.7 †	3.8 †

Percentage change, latest month on same month a year ago

2020 Sep	7.3	-27.0	-3.8	-12.7	5.7	21.2
Oct	7.5	-26.2	-3.4	-26.5	10.2	17.7
Nov	7.9	-20.3	0.5	-28.5	18.8	12.6
Dec	5.1	-12.9	0.9	-30.2	12.5	18.4
2021 Jan	2.1 †	-13.6 †	-1.4 †	-35.2 †	3.3 †	16.4 †
Feb	0.5	-20.0	0.1	-36.1	4.7	5.9
Mar	0.2	6.1	6.3	-29.8	-0.2	-0.8
Apr	18.1	134.0	52.2	-1.9	12.3	-15.3
May	14.7	58.1	40.8	17.2	8.0	3.8
Jun	9.7	14.9	19.3	28.9	12.0	-9.4
Jul	3.6	1.1	7.2	21.7	6.5	-3.0
Aug	3.5	1.3	4.8	22.8	3.1	0.7
Sep	2.3	7.7	4.7	-	2.2	1.4
Oct	2.3	7.5	2.7	3.9	-0.3	12.3
Nov	2.9	3.6	-0.8	9.0	-2.9	12.3
Dec	4.9	0.9	-0.4	12.7	-1.5	27.9
2022 Jan	7.7	4.9	0.4	31.6	5.5	-6.9
Feb	6.6	4.1	0.4	38.6	1.4	-
Mar	6.3	-0.2	0.3	44.5	3.4	-6.4
Apr	1.5	0.7	-4.4	33.2	-3.3	5.3
May	1.3	-4.5	-3.7	16.8	-0.4	-10.8
Jun	0.1	-9.6	-5.2	-1.5	-7.6	3.5
Jul	-1.8	-5.2	-4.6	-5.2	-6.5	-5.6
Aug	-1.8	-5.2	-5.5	-4.3	-5.2	-10.4
Sep	-2.2	-5.8	-8.6	-0.8	-7.7	2.1
Oct	-3.2	-7.6	-8.7	2.1	-10.9	2.6
Nov	-2.9	-6.5	-9.1	0.8	-13.9	0.3

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

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

	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
Section	CG	CH	CI	CJ	CK	CL	CM
Latest weight	52.8	81.3	50.5	18.0	54.6	108.3	67.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2017	93.1	101.6	99.6	90.2	99.3	105.9	98.0
2018	97.5	102.8	101.3	91.7	109.7	103.6	102.5
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	97.1	107.5	97.1	125.8	99.1	91.9	98.8
2021	111.7 †	117.9 †	101.6 †	140.6 †	126.9 †	99.0	114.2 †
2021 Q3	110.9	116.9 †	101.7 †	137.8 †	129.9 †	97.6 †	116.4 †
Q4	110.0 †	112.0	101.2	132.2	117.0	94.7	114.7
2022 Q1	107.7	111.2	99.9	129.4	117.7	92.9	115.8
Q2	109.3	109.6	95.3	124.9	114.2	92.1	113.6
Q3	107.1	105.4	94.2	121.8	110.4	88.2	113.0
2021 Sep	111.6 †	115.2 †	101.4 †	135.2 †	132.7 †	97.2 †	116.1 †
Oct	110.7	113.9	99.7	133.3	116.8	96.5	115.7
Nov	111.5	112.3	101.7	131.6	119.0	94.6	115.5
Dec	107.8	109.8	102.2	131.8	115.2	92.9	112.9
2022 Jan	109.2	111.4	102.9	131.1	122.3	92.5	114.0
Feb	106.3	110.8	98.1	126.6	116.9	92.7	117.0
Mar	107.7	111.4	98.7	130.4	114.0	93.6	116.4
Apr	109.8	111.2	95.3	125.6	111.9	94.0	112.9
May	110.9	109.7	94.6	124.2	115.9	91.6	113.9
Jun	107.2	107.9	96.0	124.9	114.7	90.7	113.9
Jul	107.1	108.0	94.7	121.5	112.6	89.3	113.6
Aug	107.1	105.6	95.1	123.0	109.7	87.4	113.5
Sep	107.1	102.6	92.8	120.8	108.8	88.0	112.0
Oct	108.0	101.4	92.0	120.1	108.3	90.2	111.9
Nov	106.4	100.9	92.4	118.7	108.8	91.2	112.6

Percentage change, latest year on previous year

2017	-0.2	-3.2	3.4	3.7	6.6	8.9	4.6
2018	4.8	1.1	1.7	1.7	10.5	-2.1	4.6
2019	2.5	-2.7	-1.2	9.1	-8.9	-3.5	-2.4
2020	-2.9	7.5	-2.9	25.7	-0.9	-8.1	-1.2
2021	15.0 †	9.6 †	4.5	11.8 †	28.1 †	7.8	15.7 †

Percentage change, latest month on same month a year ago

2020 Sep	6.6	14.5	-0.5	42.0	8.1	6.1	3.8
Oct	7.7	15.7	-3.0	44.2	8.9	6.4	5.6
Nov	10.9	17.4	2.2	48.5	15.0	16.6	6.8
Dec	8.8	18.3	-7.9	22.4	32.8	11.4	8.2
2021 Jan	5.6 †	10.4 †	-2.0 †	24.3	23.3	-4.4 †	5.3 †
Feb	6.1	10.4	4.0	22.0	23.1	-0.1	6.1
Mar	23.5	17.9	6.7	27.3 †	52.4 †	26.2	13.6
Apr	111.7	53.2	27.6	58.7	148.3	138.7	50.1
May	53.2	39.7	7.9	53.1	83.8	93.3	40.5
Jun	21.0	18.2	10.2	24.4	31.4	31.1	30.9
Jul	10.2	10.3	4.3	9.3	26.0	10.5	18.0
Aug	5.4	6.7	-	-3.1	26.8	0.5	11.3
Sep	4.6	-1.3	0.9	-7.4	23.5	-10.4	11.4
Oct	2.3	-4.7	-1.9	-9.9	5.3	-12.6	9.5
Nov	0.9	-7.6	-3.4	-15.0	-0.3	-18.6	6.7
Dec	-3.0	-11.7	7.0	-1.4	-11.8	-19.7	3.3
2022 Jan	-0.6	-8.0	2.1	-7.8	-1.5	-11.4	2.8
Feb	-4.1	-7.0	-7.0	-13.6	-7.4	-12.7	4.1
Mar	-7.4	-8.0	-2.8	-9.6	-14.4	-11.7	4.1
Apr	-5.8	-8.1	-4.1	-15.3	-15.7	-10.1	0.8
May	-1.4	-11.3	-5.8	-19.4	-12.9	-1.8	0.2
Jun	-4.2	-11.0	-5.9	-12.0	-13.7	-6.8	-2.5
Jul	-3.5	-8.4	-7.5	-13.9	-11.8	-7.8	-2.5
Aug	-2.6	-10.1	-6.2	-10.2	-15.2	-11.4	-2.7
Sep	-4.1	-10.9	-8.4	-10.6	-18.0	-9.5	-3.5
Oct	-2.4	-11.0	-7.7	-9.9	-7.2	-6.5	-3.3
Nov	-4.6	-10.2	-9.2	-9.8	-8.6	-3.6	-2.5

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

Seasonally 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 pharmaceutical products and preparations
Section	CA	CB	CC	CD	CE	CF
Latest weight	110.8	25.5	48.0	18.5	44.3	49.0
	K22B	K22P	K22T	K22X	K22Z	K239

Percentage change, latest month on previous month

		CA	CB	CC	CD	CE	CF
2020	Sep	0.8	-5.5	2.3	17.0	0.1	-4.4
	Oct	0.7	-0.2	1.5	-5.4	5.0	-2.4
	Nov	-0.4	3.3	2.8	-2.2	3.1	-2.0
	Dec	-2.5	3.6	-0.7	-1.3	-0.8	0.9
2021	Jan	-1.9 T	-5.9 T	-0.5 T	-12.3 T	-5.1 T	5.0 T
	Feb	0.9	-3.0	0.1	-2.1	-0.3	0.4
	Mar	0.7	7.6	0.8	1.1	-1.4	3.2
	Apr	4.6	2.2	2.4	8.9	5.1	-11.7
	May	0.4	2.2	-0.3	14.4	-2.4	21.6
	Jun	-0.4	1.3	-2.3	8.8	2.6	-12.7
	Jul	1.1	-4.0	0.9	-2.7	-1.7	6.3
	Aug	-0.5	0.7	-2.2	0.4	-0.5	0.8
	Sep	-0.4	0.4	2.2	-4.7	-0.8	-3.7
	Oct	0.8	-0.4	-0.5	-1.7	2.4	8.0
	Nov	0.2	-0.4	-0.7	2.5	0.5	-2.0
	Dec	-0.6	0.9	-0.3	2.1	0.6	14.9
2022	Jan	0.7	-2.2	0.3	2.4	1.6	-23.5
	Feb	-0.2	-3.8	0.1	3.1	-4.2	7.8
	Mar	0.4	3.2	0.7	5.3	0.5	-3.4
	Apr	-0.1	3.1	-2.5	0.4	-1.7	-0.8
	May	0.3	-3.0	0.6	0.4	0.5	3.0
	Jun	-1.6	-4.2	-3.9	-8.3	-4.8	1.2
	Jul	-0.8	0.7	1.5	-6.3	-0.7	-3.0
	Aug	-0.5	0.7	-3.0	1.3	0.9	-4.3
	Sep	-0.8	-0.2	-1.2	-1.2	-3.5	9.7
	Oct	-0.1	-2.3	-0.6	1.3	-1.2	8.6
	Nov	0.5	0.7	-1.1	1.2	-2.8	-4.3

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

		CA	CB	CC	CD	CE	CF
2020	Sep	7.8	-24.3	-4.1	-22.9	5.8	22.4
	Oct	7.4	-25.0	-4.1	-22.3	7.6	22.9
	Nov	7.6	-24.6	-2.3	-22.9	11.5	17.1
	Dec	6.8	-20.0	-0.7	-28.4	13.7	16.2
2021	Jan	5.0	-15.7	- T	-31.2 T	11.3 T	15.8 T
	Feb	2.5	-15.5 T	-0.1	-33.8	6.8	13.2
	Mar	0.9	-10.1 T	1.6	-33.8	2.6	6.6
	Apr	5.8 T	16.1	15.8	-24.6	5.5	-3.8
	May	10.6	50.3	30.2	-7.3	6.6	-4.2
	Jun	14.1	54.8	36.2	14.4	10.8	-7.0
	Jul	9.1	20.6	21.0	22.6	8.8	-2.9
	Aug	5.5	5.5	10.1	24.4	7.1	-4.0
	Sep	3.1	3.3	5.6	14.1	3.9	-0.4
	Oct	2.7	5.4	4.1	8.3	1.6	4.7
	Nov	2.5	6.2	2.2	4.2	-0.4	8.6
	Dec	3.4	3.9	0.5	8.5	-1.6	17.5
2022	Jan	5.2	3.1	-0.3	17.1	0.3	10.8
	Feb	6.4	3.2	0.1	26.9	1.7	6.6
	Mar	6.9	2.8	0.3	38.2	3.4	-4.5
	Apr	4.7	1.4	-1.3	38.6	0.4	-0.6
	May	3.0	-1.4	-2.6	30.5	-0.1	-4.5
	Jun	1.0	-4.5	-4.4	14.9	-3.8	-1.3
	Jul	-0.1	-6.5	-4.5	3.1	-4.9	-4.6
	Aug	-1.2	-6.7	-5.1	-3.7	-6.4	-4.3
	Sep	-1.9	-5.4	-6.2	-3.5	-6.5	-4.7
	Oct	-2.4	-6.2	-7.6	-1.1	-8.0	-1.9
	Nov	-2.8	-6.7	-8.8	0.7	-10.9	1.7

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

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

	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
Section	CG	CH	CI	CJ	CK	CL	CM
Latest weight	52.8	81.3	50.5	18.0	54.6	108.3	67.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

Percentage change, latest month on previous month

		CG	CH	CI	CJ	CK	CL	CM
2020	Sep	2.3	5.9	-0.9	3.4	5.3	10.6	-0.6
	Oct	1.3	2.4	1.1	1.3	3.2	1.8	1.4
	Nov	2.2	1.7	3.6	4.7	7.7	5.2	2.4
	Dec	0.5	2.4	-9.3	-13.6	9.3	-0.4	1.1
2021	Jan	-1.1 †	-2.7 †	5.5 †	6.3	-4.9	-9.8 †	1.4 †
	Feb	0.8	-1.6	4.7	3.0	1.7 †	1.7	1.3
	Mar	5.0	1.6	-3.7	-1.5 †	5.5	-0.2	-0.5
	Apr	0.2	-	-2.1	2.8	-0.2	-1.4	0.1
	May	-3.6	2.2	1.1	3.9	0.1	-10.8	1.5
	Jun	-0.5	-2.1	1.6	-7.9	-0.1	4.2	2.8
	Jul	-0.8	-2.7	0.3	-0.5	-4.0	-0.3	-0.3
	Aug	-0.9	-0.4	-1.0	-3.1	1.4	1.8	0.1
	Sep	1.5	-1.9	-	-1.2	2.5	-1.4	-0.5
	Oct	-0.8	-1.1	-1.7	-1.4	-12.0	-0.7	-0.3
	Nov	0.8	-1.4	2.0	-1.3	1.9	-2.0	-0.2
	Dec	-3.3	-2.2	0.4	0.2	-3.3	-1.8	-2.2
2022	Jan	1.3	1.4	0.7	-0.5	6.2	-0.5	0.9
	Feb	-2.6	-0.5	-4.7	-3.5	-4.4	0.2	2.6
	Mar	1.4	0.5	0.6	3.0	-2.4	0.9	-0.5
	Apr	1.9	-0.1	-3.4	-3.7	-1.8	0.4	-3.1
	May	1.0	-1.4	-0.7	-1.1	3.5	-2.6	0.9
	Jun	-3.3	-1.7	1.5	0.6	-1.0	-1.0	-0.1
	Jul	-0.1	0.1	-1.4	-2.7	-1.9	-1.4	-0.2
	Aug	-	-2.3	0.4	1.2	-2.5	-2.2	-0.1
	Sep	-0.1	-2.8	-2.3	-1.8	-0.9	0.7	-1.3
	Oct	0.9	-1.2	-1.0	-0.6	-0.4	2.5	-0.1
	Nov	-1.5	-0.5	0.5	-1.2	0.4	1.1	0.6

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

		CG	CH	CI	CJ	CK	CL	CM
2020	Sep	4.2	11.4	0.6	37.6	4.7	-4.7	3.7
	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
2021	Jan	8.4 †	15.3 †	-2.6	31.4	23.5	7.6 †	6.8 †
	Feb	6.8	13.0	-2.0 †	22.9	26.3 †	2.2	6.5
	Mar	11.3	12.8	2.8	24.5	32.0	5.7	8.2
	Apr	35.5	24.7	11.6	34.3 †	61.1	35.3	20.5
	May	55.1	35.4	13.2	45.3	87.1	72.6	32.9
	Jun	54.3	35.5	14.5	44.2	75.7	77.5	39.9
	Jul	25.8	21.7	7.4	27.1	43.2	36.8	29.0
	Aug	11.9	11.6	4.7	9.2	28.1	12.6	19.5
	Sep	6.7	5.1	1.7	-0.7	25.4	-0.5	13.5
	Oct	4.1	0.1	-0.4	-6.8	18.2	-7.8	10.7
	Nov	2.6	-4.5	-1.5	-10.8	9.1	-13.9	9.2
	Dec	0.1	-8.0	0.4	-9.1	-2.8	-17.0	6.5
2022	Jan	-0.9	-9.1	1.7	-8.4	-4.7	-16.7	4.3
	Feb	-2.6	-9.0	0.5	-7.8	-7.0	-14.8	3.4
	Mar	-4.1	-7.7	-2.6	-10.4	-7.9	-11.9	3.7
	Apr	-5.8	-7.7	-4.7	-12.9	-12.6	-11.5	3.0
	May	-4.9	-9.2	-4.2	-14.9	-14.3	-8.1	1.7
	Jun	-3.8	-10.1	-5.3	-15.7	-14.1	-6.4	-0.5
	Jul	-3.0	-10.3	-6.4	-15.2	-12.8	-5.5	-1.6
	Aug	-3.4	-9.9	-6.5	-12.0	-13.6	-8.7	-2.6
	Sep	-3.4	-9.8	-7.4	-11.6	-15.1	-9.6	-2.9
	Oct	-3.1	-10.7	-7.5	-10.2	-13.7	-9.2	-3.2
	Nov	-3.7	-10.7	-8.4	-10.1	-11.6	-6.6	-3.1

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

IOP5

Output of the Production Industries
Chained volume indices of gross value added[1]

Seasonally 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 pharmaceutical products and preparations
Section	CA	CB	CC	CD	CE	CF
Latest weight	110.8	25.5	48.0	18.5	44.3	49.0
	K22B	K22P	K22T	K22X	K22Z	K239

Percentage change, latest 3 months on previous 3 months

2020	Sep	11.2	47.0	27.1	6.2	5.0	-4.3
	Oct	6.4	12.7	15.0	10.5	6.4	-7.0
	Nov	3.2	-1.6	8.3	12.7	7.6	-8.6
	Dec	0.1	-0.5	4.7	2.6	8.0	-7.3
2021	Jan	-1.9	1.5 [T]	4.0 [T]	-5.8 [T]	4.2 [T]	-2.9 [T]
	Feb	-3.4 [T]	0.6	1.3	-13.0	-0.8	2.2
	Mar	-2.9	-2.2	0.3	-14.6	-5.3	6.3
	Apr	0.7	-0.2	0.9	-7.5	-3.3	2.0
	May	3.9	5.6	2.2	5.8	-0.9	3.6
	Jun	5.6	8.2	2.0	23.0	3.2	-1.4
	Jul	3.8	5.6	0.3	27.4	1.5	5.4
	Aug	1.9	0.9	-1.9	19.9	1.2	-0.7
	Sep	0.5	-1.9	-1.5	5.8	-1.5	2.5
	Oct	0.1	-1.5	-1.1	-2.4	-0.6	0.3
	Nov	0.2	-0.9	0.5	-5.6	-	3.3
	Dec	0.3	0.1	-0.3	-2.4	2.3	9.3
2022	Jan	0.5	-0.7	-0.4	1.9	2.8	2.8
	Feb	0.2	-2.2	-0.7	6.0	1.4	0.3
	Mar	0.4	-3.2	0.2	8.8	-0.5	-13.5
	Apr	0.3	-1.8	-0.2	9.4	-3.2	-8.5
	May	0.5	0.9	-0.6	8.8	-2.7	-7.3
	Jun	-0.3	0.4	-2.9	2.3	-4.0	1.8
	Jul	-1.0	-2.6	-2.9	-5.3	-3.8	1.1
	Aug	-2.2	-4.5	-4.3	-11.4	-5.2	-0.5
	Sep	-2.4	-2.8	-3.3	-11.1	-4.3	-1.0
	Oct	-2.2	-1.2	-4.3	-6.3	-3.8	3.2
	Nov	-1.4	-0.8	-3.4	-1.4	-4.7	9.8

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

	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
Section	CG	CH	CI	CJ	CK	CL	CM
Latest weight	52.8	81.3	50.5	18.0	54.6	108.3	67.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

Percentage change, latest 3 months on previous 3 months

2020	Sep	41.2	23.5	13.7	35.1	36.9	77.0	25.8
	Oct	19.7	16.1	6.9	26.5	16.6	50.9	17.0
	Nov	9.3	11.9	5.2	16.7	11.0	28.9	8.6
	Dec	5.8	9.5	0.8	4.8	16.1	16.3	5.0
2021	Jan	3.8 †	6.0 †	-0.6 †	-1.0	16.8	6.1 †	4.4 †
	Feb	2.0	2.0	-1.8	-5.9	12.8	-2.6	4.6
	Mar	2.2	-1.1	1.8	-0.8	6.3 †	-7.5	3.7
	Apr	3.7	-1.5	1.6	1.9 †	4.8	-5.8	2.3
	May	4.1	0.3	-0.1	5.8	4.7	-6.9	1.5
	Jun	1.2	1.3	-1.9	2.7	4.0	-6.8	2.2
	Jul	-2.4	0.4	-0.5	-0.4	0.3	-9.2	3.2
	Aug	-3.6	-2.5	1.4	-6.0	-2.3	-3.6	3.7
	Sep	-2.4	-4.2	1.0	-7.0	-2.3	-0.8	2.0
	Oct	-0.9	-4.5	-0.8	-7.3	-3.7	1.7	0.4
	Nov	0.3	-4.3	-1.0	-4.7	-5.5	-1.5	-0.8
	Dec	-0.8	-4.2	-0.5	-4.0	-9.9	-3.0	-1.5
2022	Jan	-1.1	-3.8	1.4	-2.7	-5.9	-4.2	-1.7
	Feb	-3.2	-2.7	0.1	-2.6	-3.8	-3.5	-1.0
	Mar	-2.1	-0.7	-1.3	-2.2	0.6	-1.8	1.0
	Apr	-1.4	-	-4.8	-3.0	-3.8	0.1	1.1
	May	1.6	0.1	-4.8	-2.4	-3.5	0.4	-0.2
	Jun	1.4	-1.4	-4.6	-3.5	-3.0	-0.9	-1.9
	Jul	0.4	-2.3	-2.3	-3.1	0.1	-3.1	-1.4
	Aug	-2.1	-3.3	-1.0	-2.8	-1.4	-4.2	-0.7
	Sep	-2.0	-3.9	-1.2	-2.5	-3.4	-4.2	-0.5
	Oct	-0.9	-4.9	-1.9	-1.8	-4.8	-2.2	-1.2
	Nov	-	-5.2	-3.0	-2.7	-3.3	0.8	-1.3

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