

Statistical bulletin

Index of Production, UK: January 2021

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



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1 . Main points

- Monthly production fell by 1.5% in January 2021 meaning it was 5.0% below its level in February 2020, the last month of "normal" trading conditions prior to the coronavirus (COVID-19) pandemic.
- The decline in production was driven by falls of 2.3% in manufacturing and 0.7% in mining and quarrying; these were offset partially by a rise of 0.9% in electricity and gas and 1.2% in water supply and sewage.
- The 2.3% fall in manufacturing means it was 5.7% below its level in February 2020; the fall in manufacturing over the month was driven by lower output in 9 of the 13 manufacturing subsectors, the largest being the fall in manufacturing of transport equipment.
- Production output for the three months to January 2021 grew by 0.7% compared with the three months to October 2020.
- Production output for the three months to January 2021 fell by 4.1% compared with the three months to January 2020.
- The coronavirus pandemic had a significant negative impact on production output last year and during January 2021; for further and detailed analysis of the effect on our monthly Index of Production estimate, please see our article [Coronavirus and the impact on output in the UK economy, UK: January 2021](#), published 12 March 2021.

2 . Index of Production data

[Index of Production time series](#)

Dataset DIOP | Released 12 March 2021

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

[Output of the production industries](#)

Dataset | Released 12 March 2021

Index values and growth rates for production, manufacturing and the main industrial groupings in the UK.

[Index of Production and industry sectors to four decimal places](#)

Dataset | Released 12 March 2021

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

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

Dataset | Released 12 March 2021

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

[Export proportions for manufacturing industries](#)

Dataset | Released 12 March 2021

Monthly, three-monthly and annual export data for the manufacturing industries, collected by the MBS at industry level in the UK.

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

3 . Measuring the data

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

The majority of these data are collected as "turnover values" through the Monthly Business Survey (MBS). In addition, direct volume series are collected by the Department for Business, Energy and Industrial Strategy (BEIS) and the International Steel Statistics Bureau (ISSB) for steel industries.

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

A comprehensive list of the IoP source data can be found in the [Gross domestic product \(GDP\(O\)\) source catalogue \(XLS, 715KB\)](#).

More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in the [UK IoP QMI](#).

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](#).

End of EU exit transition period

As the UK enters into a new Trade and Co-operation Agreement with the EU, the UK statistical system will continue to produce and publish our wide range of economic and social statistics and analysis. We are committed to continued alignment with the highest international statistical standards, enabling comparability both over time and internationally, and ensuring the general public, statistical users and decision makers have the data they need to be informed.

Additionally, the Withdrawal Agreement outlines a need for UK gross national income (a fundamental component of the national accounts, which includes GDP) statistics to remain in line with those of other EU countries until EU budget contributions are finalised for the years in which we were a member, and making budget contributions during the transition period. To ensure this comparability during this period, the national accounts will continue to be produced according to European System of Accounts (ESA) 2010 definitions and standards until at least 2024.

As the shape of the UK's future statistical relationship with the EU becomes clearer over the coming period, the Office for National Statistics (ONS) is making preparations to assume responsibilities that as part of our membership of the EU, and during the transition period, were delegated to the statistical office of the EU, Eurostat. This includes responsibilities relating to international comparability of economic statistics, deciding what international statistical guidance to apply in the UK context and to provide further scrutiny of our statistics and sector classification decisions.

In applying international statistical standards and best practice to UK economic statistics, we will draw on the technical advice of experts in the UK and internationally, and our work will be underpinned by the UK's well-established and robust framework for independent official statistics, set out in the Statistics and Registration Service Act 2007. Further information on our proposals will be made available later this year.

Coronavirus (COVID-19)

The ONS' Monthly Business Survey (MBS) is fully online, meaning that business owners can logon 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 survey data.

Our latest data and analysis on the impact of the coronavirus (COVID-19) on the UK economy and population is now available on a [new web page](#). This will be the hub for all special coronavirus-related publications, including the fortnightly Business Impact of Coronavirus (COVID-19) Survey (BICS).

The ONS has released a [public statement](#) on COVID-19 and the production of statistics. Specific queries must be directed to the [Media Relations Office](#).

4 . Related links

[Coronavirus and the impact on output in the UK economy, UK: January 2021](#)

Article | Released 12 March 2021

Analysis of monthly growth for the production, services and construction industries in the UK economy between December 2020 and January 2021, highlighting the early impact from the coronavirus (COVID-19) pandemic.

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

Article | Released 1 February 2021

The coronavirus (COVID-19) pandemic has led to record declines in gross domestic product (GDP) in advanced economies in 2020. International comparisons show that the UK has experienced the largest contraction in volume GDP amongst 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: January 2021](#)

Bulletin | Released 12 March 2021

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 and includes the Index of Production (IoP), Index of Services (IoS) and construction output in Great Britain.

[Producer price inflation, UK: January 2021](#)

Bulletin | Released 17 February 2021

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 \(ProdCom\): 2019 results](#)

Bulletin | Released 1 July 2020

Estimates for UK manufacturers' sales by product (ProdCom) for 2019, including 2018 final sales data.

[Energy Trends and Prices statistical release: 25 February 2021](#)

Bulletin | Released 25 February 2021

The data published by the Department for Business, Energy and Industrial Strategy (BEIS) in [Energy Trends](#) are used to measure the mining and quarrying, electricity and gas, and manufacture of coke and refined petroleum products sectors within this release.

IOP5 Output of the production industries

Chained volume indices of gross value added¹

Seasonally adjusted 2018 = 100

Section	Broad industry groups					Main industrial groupings					
	Production industries B+C+D+E	Mining and quarrying B	Manufacturing C	Electricity, gas, steam and air conditioning D	Water supply, sewerage and waste management E	Oil and gas extraction 06	Consumer durables MIG-CD	Consumer non-durables MIG-CND	Capital goods MIG-CAG	Intermediate goods MIG-IG	Energy MIG-NRG
Latest weight	1 000.0	47.5	748.5	108.7	95.3	34.6	68.2	211.6	272.3	252.2	182.5
2016	K222 97.3	K224 94.3	K22A 96.6	K248 103.3	K24C 99.2	K226 92.6	K24Q 87.0	K24R 98.4	K24S 92.6	K24O 99.7	K24T 99.9
2017	99.1	95.0	98.9	101.2	101.5	93.6	90.0	98.6	97.3	100.8	98.9
2018	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2019	98.8	99.1	98.2	101.1	100.4	99.1	100.5	102.3	94.6	98.6	100.6
2020	90.4	89.7	88.5	96.5	98.6	89.8	89.1	100.3	78.8	91.0	94.8
2019 Q4	97.9	98.4	96.8	103.2	99.8	98.5	99.8	101.0	93.1	97.1	101.6
2020 Q1	95.7	93.6	95.0	98.3	100.2	93.1	94.1	103.1	88.4	95.7	97.5
Q2	79.9	91.0	75.1	91.7	94.5	93.0	74.3	96.5	61.0	76.1	93.2
Q3	92.1	89.8	90.5	99.0	99.5	89.6	92.3	102.1	80.4	93.7	95.5
Q4	93.7	84.4	93.5	97.2	100.4	83.6	95.7	99.3	85.6	98.7	93.0
2019 Nov	97.6	99.6	96.2	104.1	99.5	99.6	98.2	101.4	92.1	96.3	102.3
Dec	97.2	96.4	96.3	101.8	100.1	96.9	97.8	99.7	92.3	97.3	100.6
2020 Jan	97.3	96.2	96.8	98.9	100.7	95.7	97.8	100.8	92.8	98.0	98.5
Feb	97.4	95.4	97.3	98.1	99.8	95.0	97.0	104.1	92.2	97.1	98.1
Mar	92.2	89.2	90.7	97.8	100.2	88.4	87.5	104.5	80.2	92.1	95.9
Apr	74.1	87.4	68.0	89.7	92.6	90.9	65.5	93.7	53.2	66.2	91.6
May	78.7	89.6	74.0	90.7	92.7	91.2	74.7	96.5	58.6	75.3	92.3
Jun	86.9	96.1	83.4	94.5	98.1	96.9	82.7	99.2	71.3	86.7	95.5
Jul	91.6	93.1	89.3	99.2	99.7	93.1	91.4	103.7	77.8	92.2	96.6
Aug	92.1	89.4	90.6	99.3	98.8	89.5	91.8	102.8	80.2	93.6	95.4
Sep	92.7	86.8	91.6	98.7	99.9	86.3	93.9	99.9	83.2	95.3	94.5
Oct	93.5	86.8	92.7	98.0	100.5	86.5	93.6	100.6	84.2	96.9	94.3
Nov	93.8	83.6	93.7	96.4	100.4	82.4	96.7	99.1	86.2	99.1	92.2
Dec	94.0	82.9	94.0	97.2	100.5	81.9	96.8	98.2	86.3	100.2	92.5
2021 Jan	92.6	82.3	91.8	98.0	101.7	80.0	93.8	100.9	81.2	97.6	92.1
Percentage change, latest year on previous year											
2016	1.1	-2.3	0.3	3.6	6.3	3.8	0.3	0.1	2.2	-2.7	2.6
2017	1.8	0.7	2.3	-2.1	2.3	1.2	3.5	0.2	5.1	1.2	-0.9
2018	0.9	5.3	1.1	-1.2	-1.4	6.8	11.1	1.4	2.8	-0.8	1.1
2019	-1.2	-0.9	-1.8	1.1	0.4	-0.9	0.5	2.3	-5.4	-1.4	0.6
2020	-8.6	-9.5	-9.9	-4.5	-1.7	-9.3	-11.3	-2.0	-16.7	-7.6	-5.7
Percentage change, latest month on same month a year ago											
2018 Nov	-1.4	-0.3 [†]	-1.1	-3.6	-2.6	-0.1	6.0	2.9	-2.2	-3.7	-0.5 [†]
Dec	-1.1	23.7	-1.8	-5.4	-2.6	34.2	4.5	2.6	-3.9 [†]	-3.3	3.3
2019 Jan	-0.7	-1.3	-0.8	1.4	-1.1	-2.3	2.0	5.5	-6.3	-0.1	1.4
Feb	-0.5	2.7	0.1	-6.6	-0.6	2.6	-0.7	5.4	-5.6	1.9	-2.2
Mar	1.0	10.6	1.6	-8.2	0.5	11.6	0.1	10.8	-5.1	1.9	-0.8
Apr	-2.4	-5.4	-2.8	-1.1	1.9	-6.4	-0.6	3.6	-9.8	-0.2	-1.9
May	-0.2	0.2	-1.5	7.3	2.1	0.8	3.7	0.5	-4.4	-0.9	4.6
Jun	-1.2	-1.7	-2.4	7.1	0.1	-0.7	-2.9	-0.2	-4.4	-2.2	2.8
Jul	-1.9	-7.9	-1.9	0.7	-0.2	-8.3	0.4	2.9	-4.6	-3.3	-2.1
Aug	-2.6	-6.8	-2.9	-	0.3	-7.7	-0.4	0.7	-5.4	-3.4	-2.3
Sep	-2.2	5.5	-3.7	-0.1	0.7	7.1	-0.8	0.3	-6.5	-3.6	1.3
Oct	-0.8	-2.2	-1.6	5.6	-0.2	-2.4	5.3	1.0	-2.6	-3.1	2.1
Nov	-1.3	-0.4	-2.7	5.9	0.4	-0.7	0.6	-0.4	-4.9	-2.3	2.8
Dec	-1.7	-2.7	-2.6	3.3	0.9	-2.8	-1.1	-1.9	-4.6	-1.5	1.3
2020 Jan	-2.4	-0.8	-3.2	-2.0	1.9	-	-3.7	-2.5	-3.9	-2.8	-1.3
Feb	-2.5	-3.7	-3.1	0.4	0.1	-3.5	-3.9	0.4	-4.6	-4.7	-0.4
Mar	-8.9	-13.8	-10.6	-0.5	0.2	-14.8	-14.0	-3.2	-17.3	-9.0	-4.7
Apr	-24.5	-9.7	-30.3	-11.4	-7.6	-5.6	-35.4	-8.7	-42.4	-32.9	-8.3
May	-20.8	-10.1	-24.9	-11.6	-8.9	-8.7	-28.0	-3.8	-39.4	-23.5	-9.3
Jun	-12.3	-1.3	-15.1	-8.8	-4.0	-0.7	-16.0	-2.3	-25.3	-11.8	-5.4
Jul	-7.2	-3.5	-9.2	-1.4	-1.1	-3.5	-9.6	0.3	-18.1	-5.5	-2.8
Aug	-5.7	-8.9	-6.5	-0.4	-2.3	-8.4	-7.2	2.4	-14.3	-3.8	-3.9
Sep	-5.6	-18.3	-5.5	-0.5	-0.9	-19.8	-4.4	-1.4	-10.7	-2.2	-7.1
Oct	-5.4	-12.4	-5.4	-5.5	0.8	-12.6	-9.6	-1.3	-11.2	-1.0	-7.5
Nov	-3.9	-16.0	-2.6	-7.3	0.8	-17.3	-1.6	-2.3	-6.4	2.8	-9.8
Dec	-3.3	-14.0	-2.5	-4.6	0.4	-15.5	-1.0	-1.5	-6.5	3.0	-8.1
2021 Jan	-4.9	-14.4	-5.2	-0.9	1.0	-16.4	-4.1	0.2	-12.5	-0.4	-6.5

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

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

IOP5 Output of the production industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2018 = 100

Section	Broad industry groups						Main industrial groupings					
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy	
	B+C+D+E	B	C	D	E	06	MIG-CD	MG-CND	MG-CAG	MIG-IG	MG-NRG	
Latest weight	1 000.0	47.5	748.5	108.7	95.3	34.6	68.2	211.6	272.3	252.2	182.5	
Percentage change, latest month on previous month												
2018 Nov	-0.6	-1.3	-0.6	-	-0.7	-1.1	-0.7	0.9	-0.6	-2.3	-0.3	
Dec	- [†]	-1.0	-	0.2	-	-0.6	1.2	-0.1	-0.1	0.2	-0.2	
2019 Jan	0.9	-2.0	1.1	2.5	-0.4	-3.9	2.7	1.7	-0.1	2.0	0.5	
Feb	0.2	2.2	0.4	-3.2	0.8	2.8	-0.7	0.2	0.1	1.0	-1.3	
Mar	1.2	4.4	1.1	0.6	0.4	5.5	0.9	4.1	0.3	-0.7	2.1	
Apr	-3.1	-6.4	-3.9	3.1	0.2	-7.3	-0.4	-4.9	-4.7	-2.4	-0.6	
May	1.2	3.0	1.0	1.3	1.6	3.8	2.3	-2.2	4.6	-0.3	1.8	
Jun	-0.3	-2.4	-0.4	1.0	0.5	-2.3	-5.2	1.2	-1.2	-	-0.8	
Jul	-0.4	-0.9	0.2	-3.0	-1.4	-1.1	2.7	1.9	-0.5	-0.8	-1.6	
Aug	-1.0	1.7	-1.5	-1.0	0.3	1.4	-2.1	-2.9	-1.4	-0.3	-	
Sep	0.6	8.3	-	-0.4	-0.3	10.0	-0.8	1.0	-0.5	0.3	2.4	
Oct	0.6	-6.8	1.1	4.6	-1.1	-8.0	5.5	0.5	1.8	0.3	0.3	
Nov	-1.2	0.5	-1.8	0.3	-0.1	0.6	-5.1	-0.6	-3.0	-1.5	0.3	
Dec	-0.4	-3.2	0.1	-2.2	0.5	-2.7	-0.5	-1.6	0.2	1.0	-1.7	
2020 Jan	0.1	-0.2	0.5	-2.8	0.6	-1.2	-	1.0	0.6	0.7	-2.1	
Feb	0.1	-0.8	0.5	-0.9	-0.9	-0.8	-0.8	3.3	-0.6	-0.9	-0.4	
Mar	-5.4	-6.5	-6.7	-0.2	0.4	-6.9	-9.8	0.4	-13.0	-5.1	-2.3	
Apr	-19.7	-2.1	-25.0	-8.3	-7.6	2.8	-25.2	-10.3	-33.7	-28.1	-4.4	
May	6.2	2.5	8.7	1.1	0.1	0.3	14.0	3.1	10.2	13.7	0.8	
Jun	10.5	7.3	12.7	4.1	5.9	6.2	10.7	2.7	21.7	15.2	3.5	
Jul	5.4	-3.1	7.1	5.0	1.6	-3.9	10.5	4.5	9.1	6.3	1.1	
Aug	0.6	-4.0	1.4	0.1	-0.9	-3.8	0.4	-0.9	3.1	1.6	-1.2	
Sep	0.6	-2.9	1.1	-0.6	1.2	-3.6	2.3	-2.8	3.7	1.9	-1.0	
Oct	0.9	-	1.2	-0.7	0.5	0.3	-0.3	0.7	1.2	1.6	-0.2	
Nov	0.3	-3.7	1.1	-1.6	-0.1	-4.8	3.4	-1.6	2.3	2.3	-2.2	
Dec	0.2	-0.9	0.3	0.7	0.1	-0.6	0.1	-0.8	0.1	1.2	0.2	
2021 Jan	-1.5	-0.7	-2.3	0.9	1.2	-2.2	-3.1	2.8	-5.9	-2.6	-0.4	
Percentage change, latest 3 months on same 3 months a year ago												
2018 Nov	-0.6	1.5	-0.3	-3.2	-2.0	1.3	6.1	2.6	-1.7	-1.5	-0.3	
Dec	-1.0	7.4	-1.1	-3.7	-2.6	9.8	6.0	2.6	-2.8	-2.5	0.9	
2019 Jan	-1.0	6.3	-1.2	-2.6	-2.1	8.5	4.1	3.6	-4.1	-2.4	1.4	
Feb	-0.8	7.4	-0.8	-3.6	-1.4	9.6	1.9	4.5	-5.3	-0.6	0.8	
Mar	-0.1	3.9	0.3	-4.6	-0.4	3.8	0.5	7.2	-5.7	1.2	-0.5	
Apr	-0.6	2.4	-0.4	-5.4	0.6	2.3	-0.4	6.6	-6.8	1.2	-1.6	
May	-0.5	1.6	-0.9	-1.0	1.5	1.7	1.0	4.9	-6.4	0.2	0.6	
Jun	-1.3	-2.3	-2.2	4.3	1.3	-2.2	-	1.3	-6.2	-1.1	1.8	
Jul	-1.1	-3.2	-1.9	5.0	0.7	-2.9	0.4	1.0	-4.5	-2.2	1.7	
Aug	-1.9	-5.5	-2.4	2.6	0.1	-5.7	-1.0	1.1	-4.8	-3.0	-0.6	
Sep	-2.2	-3.2	-2.8	0.2	0.3	-3.1	-0.2	1.3	-5.5	-3.5	-1.1	
Oct	-1.8	-1.2	-2.7	1.8	0.2	-1.1	1.4	0.7	-4.9	-3.4	0.4	
Nov	-1.4	1.0	-2.7	3.8	0.3	1.4	1.7	0.3	-4.7	-3.0	2.1	
Dec	-1.2	-1.7	-2.3	4.9	0.3	-1.9	1.6	-0.4	-4.0	-2.3	2.1	
2020 Jan	-1.8	-1.3	-2.8	2.4	1.0	-1.2	-1.4	-1.6	-4.5	-2.2	0.9	
Feb	-2.2	-2.4	-3.0	0.6	1.0	-2.1	-2.9	-1.3	-4.4	-3.0	-0.1	
Mar	-4.6	-6.3	-5.7	-0.7	0.7	-6.3	-7.2	-1.8	-8.6	-5.5	-2.1	
Apr	-11.9	-9.1	-14.5	-3.9	-2.4	-8.1	-17.8	-3.8	-21.1	-15.3	-4.5	
May	-18.0	-11.2	-21.8	-7.9	-5.5	-9.8	-25.8	-5.2	-32.9	-21.7	-7.4	
Jun	-19.2	-7.1	-23.4	-10.6	-6.8	-5.0	-26.6	-4.9	-35.6	-22.7	-7.7	
Jul	-13.4	-5.0	-16.4	-7.3	-4.7	-4.3	-18.0	-1.9	-27.6	-13.6	-5.8	
Aug	-8.4	-4.5	-10.3	-3.6	-2.5	-4.2	-10.9	0.1	-19.2	-7.0	-4.0	
Sep	-6.2	-10.5	-7.1	-0.8	-1.4	-10.9	-7.1	0.4	-14.4	-3.8	-4.6	
Oct	-5.6	-13.3	-5.8	-2.2	-0.8	-13.8	-7.1	-0.1	-12.1	-2.3	-6.2	
Nov	-5.0	-15.6	-4.5	-4.5	0.2	-16.6	-5.3	-1.7	-9.5	-0.1	-8.1	
Dec	-4.2	-14.1	-3.5	-5.8	0.7	-15.1	-4.2	-1.7	-8.1	1.6	-8.5	
2021 Jan	-4.1	-14.8	-3.4	-4.3	0.7	-16.4	-2.2	-1.2	-8.5	1.8	-8.1	

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

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

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

IOP5 Output of the production industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2018 = 100

Section	Broad industry groups					Main industrial groupings					
	Production industries B+C+D+E	Mining and quarrying B	Manufacturing C	Electricity, gas, steam and air conditioning D	Water supply, sewerage and waste management E	Oil and gas extraction 06	Consumer durables MIG-CD	Consumer non-durables MG-CND	Capital goods MIG-CAG	Intermediate goods MIG-IG	Energy MG-NRG
Latest weight	1 000.0	47.5	748.5	108.7	95.3	34.6	68.2	211.6	272.3	252.2	182.5
Percentage change, latest 3 months on previous 3 months											
2018 Nov	-0.7	-2.3 [†]	-0.5	-0.2	-1.6	-2.3	-2.1	0.6	-1.5	-0.5	-0.5 [†]
2018 Dec	-1.3	-3.4	-1.1	-1.2	-1.2	-3.2	-1.3	1.0	-2.4	-1.5	-1.6
2019 Jan	-0.9	-3.7	-0.7	0.2	-1.2	-3.9	0.5	1.7	-2.0	-1.5	-1.1
2019 Feb	-0.1	-2.3	0.1	0.5	-0.5	-2.7	2.2	1.6	-1.4	0.3	-0.7
2019 Mar	1.2	-0.3	1.6	0.7	-	-1.1	3.2	3.5	-0.3	1.9	0.1
2019 Apr	0.6	1.1	0.6	-0.1	0.9	0.9	2.0	2.4	-1.4	1.1	0.2
2019 May	-	1.6	-0.6	1.7	1.5	2.0	1.9	0.7	-1.3	-1.1	1.6
2019 Jun	-1.5	-1.9	-2.5	3.6	1.9	-1.5	-0.2	-3.3	-2.0	-2.8	1.3
2019 Jul	-0.8	-2.0	-1.5	3.2	1.7	-1.6	-0.3	-2.8	0.3	-2.5	1.0
2019 Aug	-1.1	-2.7	-1.4	0.5	0.8	-2.7	-2.8	-1.8	-0.7	-1.7	-0.9
2019 Sep	-0.7	2.4	-0.7	-2.7	-0.5	2.8	-1.8	0.3	-1.0	-1.0	-0.8
2019 Oct	-0.8	3.4	-1.1	-1.4	-1.1	3.6	-0.9	-0.5	-1.9	-0.6	0.3
2019 Nov	-0.2	4.5	-0.8	1.0	-1.4	5.0	0.5	-0.2	-1.4	-0.5	2.1
2019 Dec	-0.3	-1.9	-0.5	3.4	-1.1	-2.1	0.5	-0.7	-0.9	-0.3	1.5
2020 Jan	-0.9	-3.8	-0.8	0.8	-0.4	-3.9	-2.2	-0.6	-1.6	-0.3	-0.5
2020 Feb	-0.9	-5.6	-0.2	-2.7	0.2	-6.0	-2.4	-	-1.0	0.3	-2.9
2020 Mar	-2.3	-4.8	-2.0	-4.8	0.4	-5.5	-5.8	2.1	-5.0	-1.5	-4.0
2020 Apr	-9.7	-6.9	-11.5	-6.3	-2.6	-6.1	-14.9	0.1	-18.6	-12.4	-5.2
2020 May	-16.1	-7.6	-19.9	-6.9	-5.0	-6.0	-22.2	-3.3	-30.8	-20.1	-5.8
2020 Jun	-16.5	-2.8	-20.9	-6.7	-5.7	-0.1	-21.0	-6.5	-31.0	-20.5	-4.4
2020 Jul	-2.5	2.5	-3.7	-0.4	-0.7	2.5	-0.5	-0.9	-7.9	-0.5	-0.4
2020 Aug	10.5	4.7	13.1	5.2	3.9	3.3	16.8	3.7	19.5	16.6	2.8
2020 Sep	15.4	-1.4	20.5	8.0	5.3	-3.6	24.3	5.9	31.8	23.2	2.5
2020 Oct	8.2	-5.7	11.4	4.0	3.0	-6.7	12.2	1.3	19.2	12.4	-0.1
2020 Nov	3.5	-7.7	5.6	0.1	1.4	-8.7	6.9	-2.0	10.6	6.9	-2.3
2020 Dec	1.8	-5.9	3.3	-1.9	1.0	-6.7	3.6	-2.8	6.4	5.4	-2.6
2021 Jan	0.7	-5.4	1.7	-1.4	1.1	-6.9	2.9	-1.7	2.4	3.9	-2.6

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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 Output of the production industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2018 = 100

Section	Manufacturing sub-sectors						
	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations	
	CA	CB	CC	CD	CE	CF	
Latest weight	119.1	22.9	54.0	8.1	47.0	55.1	
	K22B	K22P	K22T	K22X	K22Z	K239	
2016	96.4	102.2	100.3	103.2	96.6	99.3	
2017	98.2	101.8	101.1	104.3	98.7	97.9	
2018	100.0	100.0	100.0	100.0	100.0	100.0	
2019	101.6	99.7	100.9	103.0	98.7	106.5	
2020	95.8	85.1	90.7	83.3	101.3	121.0	
2019 Q4	101.0	99.3	100.4	104.2	95.7	102.3	
2020 Q1	100.4	89.0	97.0	100.5	101.2	114.9	
Q2	90.8	59.5	75.2	72.8	96.4	127.9	
Q3	96.9	95.5	93.7	77.3	100.3	124.6	
Q4	95.1	96.6	96.9	82.7	107.4	116.6	
2019 Nov	100.9	99.3	100.4	102.2	91.6	104.7	
Dec	99.8	95.7	98.7	106.8	97.8	99.8	
2020 Jan	100.0	92.6	98.8	101.9	101.6	105.4	
Feb	101.1	95.4	97.7	103.1	98.1	115.5	
Mar	100.0	79.0	94.5	96.5	103.8	123.8	
Apr	88.6	38.0	68.4	74.4	95.8	128.8	
May	90.8	57.8	72.9	71.2	98.0	128.0	
Jun	93.2	82.5	84.2	72.6	95.6	126.7	
Jul	97.3	95.8	93.3	75.1	99.0	130.0	
Aug	97.2	95.7	92.8	74.8	101.4	126.4	
Sep	96.2	95.1	94.9	82.1	100.4	117.5	
Oct	96.4	96.1	96.2	82.9	103.5	118.5	
Nov	95.3	95.9	97.6	82.4	106.5	115.5	
Dec	93.5	97.7	97.0	82.9	112.3	115.8	
2021 Jan	93.4	95.7	97.7	77.8	108.9	126.8	
Percentage change, latest year on previous year							
2016	0.2	-2.2	-1.2	-1.0	-6.2	2.9	
2017	1.9	-0.4	0.8	1.1	2.1	-1.4	
2018	1.8	-1.8	-1.1	-4.1	1.4	2.1	
2019	1.6	-0.3	0.9	3.0	-1.3	6.5	
2020	-5.7	-14.6	-10.1	-19.1	2.7	13.6	
Percentage change, latest month on same month a year ago							
2018 Nov	1.7	-2.4 [†]	1.3	0.9	6.5	5.0	
Dec	2.8	-3.6	-1.1 [†]	0.2	8.7	5.3	
2019 Jan	4.6	-0.8	1.1	13.4	8.4	12.1	
Feb	5.1	1.6	2.7	18.0	7.2	12.1	
Mar	6.4	5.5	6.2	9.1	7.9	24.6	
Apr	3.0	2.2	4.7	6.9	-1.0	8.1	
May	1.0	-2.9	-1.7	11.2	-	3.7	
Jun	-1.5	-2.8	-0.3	-3.6	-1.1	6.1	
Jul	-1.1	-1.4	-3.2	1.7	-6.6	20.4	
Aug	0.4	-3.4	2.6	-7.7	-2.1	1.5	
Sep	1.6	-0.4	0.2	-15.4	-5.6	-2.4	
Oct	1.2	3.3	2.3	0.9	-4.2	-	
Nov	0.3	-0.1	-1.9	-0.1	-11.2	-0.4	
Dec	-1.1	-4.0	-1.4	5.1	-6.0	-5.1	
2020 Jan	-2.6	-6.6	-2.2	-5.5	-3.6	-3.7	
Feb	-1.8	-3.8	-4.8	-5.7	-6.7	5.4	
Mar	-4.5	-22.0	-9.7	-9.1	-0.6	3.9	
Apr	-13.0	-62.2	-33.6	-29.6	-1.2	20.9	
May	-10.3	-41.1	-26.3	-34.1	-1.0	26.2	
Jun	-6.3	-16.2	-15.6	-25.6	-3.4	16.4	
Jul	-2.9	-4.5	-5.4	-25.7	4.4	12.4	
Aug	-4.0	-3.0	-7.9	-23.4	6.6	25.5	
Sep	-5.9	-7.1	-5.6	-8.2	3.5	18.2	
Oct	-5.6	-6.6	-5.7	-20.1	5.8	15.7	
Nov	-5.5	-3.5	-2.8	-19.4	16.3	10.4	
Dec	-6.3	2.1	-1.7	-22.4	14.8	16.0	
2021 Jan	-6.6	3.3	-1.1	-23.6	7.2	20.3	

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

Manufacturing sub-sectors								
Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment n.e.c	Transport equipment	Other manufacturing and repair	
	CG	CH	CI	CJ	CK	CL	CM	
Latest weight	56.4	82.3	51.6	19.4	58.1	108.5	66.1	
2016	K23B 102.5	K23G 99.8	K23N 83.9	K23P 102.3	K23R 91.6	K23T 97.6	K23Z 92.9	
2017	101.7	100.4	87.8	105.3	97.7	100.7	98.7	
2018	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
2019	97.1	97.7	99.5	98.8	92.5	93.8	96.0	
2020	88.3	88.4	92.2	87.2	73.9	71.2	84.7	
2019 Q4	95.9	96.9	99.0	96.3	89.3	92.2	95.5	
2020 Q1	94.0	95.8	93.9	94.3	81.7	86.8	93.5	
Q2	69.0	74.7	82.6	74.0	58.2	42.5	71.9	
Q3	93.1	88.4	94.5	89.2	75.0	73.5	86.4	
Q4	97.0	94.6	98.0	91.1	80.7	82.0	86.9	
2019 Nov	95.2	96.4	96.8	95.0	89.5	90.5	96.2	
Dec	96.9	98.3	96.6	98.0	88.5	91.9	95.0	
2020 Jan	97.2	97.9	97.3	95.9	85.5	94.1	94.6	
Feb	97.1	98.1	95.6	94.8	85.3	93.0	95.7	
Mar	87.7	91.3	88.7	92.1	74.3	73.3	90.3	
Apr	52.1	66.8	76.4	66.0	47.5	33.5	65.1	
May	69.0	73.9	82.5	74.1	57.5	36.5	72.5	
Jun	85.9	83.4	88.8	82.1	69.6	57.6	78.3	
Jul	91.5	86.1	93.6	86.0	74.1	68.0	85.7	
Aug	93.4	87.7	93.7	90.7	74.7	72.8	87.7	
Sep	94.2	91.3	96.2	90.8	76.1	79.8	85.9	
Oct	95.4	92.9	95.5	91.6	78.8	80.8	86.8	
Nov	97.7	95.1	99.6	92.0	81.7	82.2	86.4	
Dec	98.0	95.7	98.9	89.8	81.5	83.0	87.4	
2021 Jan	95.2	90.1	94.1	93.5	76.3	73.7	90.2	
Percentage change, latest year on previous year								
2016	2.3	-3.2	-0.9	-4.3	-0.8	4.3	4.7	
2017	-0.8	0.6	4.6	2.9	6.7	3.2	6.3	
2018	-1.7	-0.4	13.9	-5.1	2.3	-0.7	1.3	
2019	-2.9	-2.3	-0.5	-1.2	-7.5	-6.2	-4.0	
2020	-9.1	-9.5	-7.3	-11.8	-20.1	-24.1	-11.8	
Percentage change, latest month on same month a year ago								
2018 Nov	-2.7	-10.9	6.6	-4.7	-5.3	-4.0	-0.5	
Dec	-1.9	-11.2	5.5	-9.5	-6.3	-4.4	-4.8	
2019 Jan	-0.9	-3.6	2.2	-4.6	-10.1	-7.9	-6.0	
Feb	1.3	-3.5	-1.4	-2.5	-5.5	-7.1	-4.0	
Mar	0.7	-3.5	-1.0	3.1	-8.1	-4.6	-4.4	
Apr	-0.8	-4.3	-2.3	2.2	-7.6	-17.8	-1.0	
May	-3.0	-0.4	2.8	0.4	-5.6	-7.3	-2.5	
Jun	-5.4	-4.1	-3.7	3.7	-5.9	-1.5	-6.6	
Jul	-4.6	-3.1	-0.5	1.3	-7.7	-3.7	-5.5	
Aug	-5.2	-5.0	-3.4	-3.1	-7.4	-4.3	-3.7	
Sep	-5.4	-3.6	-2.3	-2.0	-8.2	-6.7	-5.6	
Oct	-5.1	-3.6	5.8	-6.1	-7.3	-2.1	-4.1	
Nov	-4.9	3.9	-	-5.5	-7.9	-5.5	-3.2	
Dec	-1.6	3.6	-2.0	-0.5	-8.9	-4.6	-1.7	
2020 Jan	-2.0	-1.4	-4.1	-2.8	-10.9	-1.4	-0.7	
Feb	-2.4	-2.6	-5.1	-4.5	-10.8	-3.0	-0.6	
Mar	-11.8	-8.0	-12.2	-9.0	-22.1	-23.8	-7.5	
Apr	-46.6	-31.1	-23.8	-34.8	-49.7	-60.6	-34.3	
May	-28.5	-24.5	-20.0	-26.0	-38.6	-61.9	-25.6	
Jun	-11.4	-13.6	-8.9	-18.7	-25.6	-40.6	-17.6	
Jul	-5.4	-11.8	-6.4	-14.2	-19.1	-29.2	-8.9	
Aug	-2.3	-8.9	-2.9	-7.0	-18.2	-23.3	-7.0	
Sep	-1.6	-5.7	-0.1	-7.0	-15.4	-14.2	-10.7	
Oct	-0.2	-3.3	-7.9	-4.5	-12.5	-14.3	-8.8	
Nov	2.7	-1.3	2.8	-3.2	-8.7	-9.1	-10.2	
Dec	1.2	-2.6	2.4	-8.4	-8.0	-9.8	-8.0	
2021 Jan	-2.1	-7.9	-3.3	-2.5	-10.8	-21.7	-4.6	

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

IOP5 Output of the production industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2018 = 100

Section	Manufacturing sub-sectors						
	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations	
	CA	CB	CC	CD	CE	CF	
Latest weight	119.1	22.9	54.0	8.1	47.0	55.1	
Percentage change, latest month on previous month							
2018 Nov	-0.4	-0.2	2.6	-0.5	1.1	2.5	
Dec	0.4	0.3 [†]	-2.2	-0.6	0.9	0.2	
2019 Jan	1.7	-0.6	1.0	6.1	1.2	4.1	
Feb	0.3	0.1	1.5	1.4	-0.2	0.1	
Mar	1.6	2.2	2.1	-2.9	-0.7	8.7	
Apr	-2.7	-0.8	-1.7	-0.4	-7.2	-10.7	
May	-0.7	-2.5	-3.9	2.2	2.1	-4.8	
Jun	-1.7	0.3	0.8	-9.7	-	7.3	
Jul	0.7	2.0	-1.2	3.6	-4.3	6.3	
Aug	1.1	-1.7	2.2	-3.4	0.4	-12.9	
Sep	0.9	3.8	-0.2	-8.5	1.9	-1.3	
Oct	-0.1	0.6	1.5	16.0	0.8	3.1	
Nov	-1.3	-3.5	-1.6	-1.4	-6.4	2.1	
Dec	-1.1	-3.6	-1.7	4.5	6.9	-4.6	
2020 Jan	0.2	-3.3	0.1	-4.6	3.8	5.6	
Feb	1.1	3.0	-1.2	1.2	-3.4	9.6	
Mar	-1.1	-17.1	-3.2	-6.4	5.8	7.2	
Apr	-11.4	-51.9	-27.7	-22.9	-7.8	4.0	
May	2.4	52.0	6.5	-4.3	2.3	-0.6	
Jun	2.6	42.7	15.6	1.9	-2.4	-1.0	
Jul	4.5	16.2	10.8	3.4	3.5	2.6	
Aug	-0.1	-0.1	-0.6	-0.4	2.5	-2.8	
Sep	-1.1	-0.6	2.3	9.7	-1.0	-7.1	
Oct	0.2	1.1	1.4	1.0	3.1	0.9	
Nov	-1.1	-0.3	1.4	-0.6	2.9	-2.5	
Dec	-2.0	1.9	-0.6	0.6	5.5	0.2	
2021 Jan	-0.1	-2.1	0.8	-6.1	-3.1	9.5	
Percentage change, latest 3 months on same 3 months a year ago							
2018 Nov	2.8	-1.2 [†]	-	-0.8	4.7 [†]	3.6	
Dec	2.6	-2.5	-0.1 [†]	-0.5	7.0	4.0	
2019 Jan	3.0	-2.3	0.4	4.6	7.9	7.4	
Feb	4.1	-1.0	0.9	10.2	8.1	9.8	
Mar	5.3	2.0	3.3	13.4	7.8	16.2	
Apr	4.8	3.1	4.5	11.2	4.7	14.8	
May	3.4	1.5	3.0	9.1	2.3	12.0	
Jun	0.8	-1.2	0.9	4.7	-0.7	6.0	
Jul	-0.5	-2.4	-1.7	3.0	-2.6	9.9	
Aug	-0.7	-2.5	-0.3	-3.3	-3.3	9.2	
Sep	0.3	-1.8	-0.2	-7.3	-4.8	6.3	
Oct	1.1	-0.2	1.7	-7.5	-4.0	-0.3	
Nov	1.0	0.9	0.2	-5.0	-7.0	-0.9	
Dec	0.1	-0.3	-0.3	1.9	-7.1	-1.8	
2020 Jan	-1.1	-3.6	-1.8	-0.3	-6.9	-3.1	
Feb	-1.8	-4.8	-2.8	-2.2	-5.5	-1.1	
Mar	-3.0	-10.9	-5.6	-6.8	-3.7	1.9	
Apr	-6.4	-29.5	-16.0	-14.7	-2.9	9.8	
May	-9.2	-41.7	-23.1	-24.3	-0.9	16.3	
Jun	-9.9	-40.0	-25.2	-29.9	-1.9	21.1	
Jul	-6.5	-20.5	-15.8	-28.6	-0.1	18.1	
Aug	-4.4	-7.9	-9.6	-24.9	2.5	17.8	
Sep	-4.3	-4.9	-6.3	-19.5	4.8	18.4	
Oct	-5.2	-5.6	-6.4	-17.5	5.3	19.8	
Nov	-5.7	-5.8	-4.7	-16.2	8.4	14.7	
Dec	-5.8	-2.8	-3.5	-20.7	12.2	14.0	
2021 Jan	-6.2	0.6	-1.9	-21.8	12.6	15.6	

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

IOP5 Output of the production industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2018 = 100

Section	Manufacturing sub-sectors							
	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment n.e.c	Transport equipment	Other manufacturing and repair	
	CG	CH	CI	CJ	CK	CL	CM	
Latest weight	56.4	82.3	51.6	19.4	58.1	108.5	66.1	
Percentage change, latest month on previous month								
2018 Nov	-0.7	-6.9	-1.2	-1.5	-0.1	-0.6	0.1	
Dec	-1.6	2.2	1.7	-2.1	0.1	0.6	-2.7	
2019 Jan	0.7	4.7	3.0	0.3	-1.2	-0.9	-1.5	
Feb	0.3	1.5	-0.7	0.6	-0.3	0.4	1.0	
Mar	-0.1	-1.6	0.3	1.9	-0.4	0.4	1.5	
Apr	-1.8	-2.3	-0.7	-	-1.0	-11.7	1.4	
May	-1.1	1.0	2.8	-1.0	-0.9	12.5	-1.6	
Jun	0.4	-1.4	-5.5	0.9	-0.1	1.5	-2.5	
Jul	-0.2	1.1	2.6	-0.8	-2.0	-1.0	-1.0	
Aug	-1.2	-1.3	-3.6	-2.7	-0.3	-1.2	0.3	
Sep	0.2	0.5	-0.1	-	-1.5	-2.0	2.0	
Oct	-0.1	-0.8	7.7	-1.8	0.1	1.4	-1.0	
Nov	-0.5	0.4	-6.7	-0.9	-0.6	-4.1	1.1	
Dec	1.8	1.9	-0.2	3.1	-1.1	1.6	-1.3	
2020 Jan	0.4	-0.4	0.8	-2.1	-3.4	2.4	-0.4	
Feb	-0.1	0.2	-1.8	-1.1	-0.2	-1.2	1.2	
Mar	-9.7	-7.0	-7.2	-2.8	-13.0	-21.2	-5.6	
Apr	-40.6	-26.9	-13.8	-28.4	-36.0	-54.3	-27.9	
May	32.4	10.7	8.0	12.3	21.0	8.8	11.4	
Jun	24.5	12.8	7.5	10.8	21.0	58.1	8.0	
Jul	6.6	3.3	5.4	4.8	6.5	18.0	9.4	
Aug	2.1	1.8	0.1	5.5	0.8	7.0	2.4	
Sep	0.9	4.1	2.7	0.1	1.8	9.7	-2.1	
Oct	1.2	1.7	-0.7	0.9	3.6	1.3	1.1	
Nov	2.4	2.4	4.2	0.5	3.7	1.7	-0.5	
Dec	0.3	0.6	-0.7	-2.4	-0.3	0.9	1.1	
2021 Jan	-2.8	-5.9	-4.8	4.1	-6.3	-11.1	3.2	
Percentage change, latest 3 months on same 3 months a year ago								
2018 Nov	-1.2	-5.0	6.9	-5.3	-4.1	-4.3	0.3	
Dec	-1.7	-8.7	6.9	-5.9	-5.1	-5.4	-1.2	
2019 Jan	-1.9	-8.6	4.7	-6.3	-7.3	-5.5	-3.8	
Feb	-0.5	-6.1	2.0	-5.6	-7.3	-6.5	-4.9	
Mar	0.4	-3.5	-0.1	-1.4	-7.9	-6.6	-4.8	
Apr	0.4	-3.7	-1.6	0.9	-7.1	-9.9	-3.1	
May	-1.0	-2.8	-0.2	1.9	-7.1	-10.0	-2.6	
Jun	-3.1	-2.9	-1.1	2.1	-6.4	-9.0	-3.4	
Jul	-4.4	-2.5	-0.5	1.8	-6.4	-4.2	-4.9	
Aug	-5.1	-4.0	-2.5	0.6	-7.0	-3.2	-5.3	
Sep	-5.1	-3.9	-2.1	-1.3	-7.7	-4.9	-4.9	
Oct	-5.2	-4.1	-	-3.8	-7.6	-4.4	-4.5	
Nov	-5.1	-1.2	1.2	-4.6	-7.8	-4.8	-4.3	
Dec	-3.9	1.2	1.3	-4.1	-8.0	-4.0	-3.0	
2020 Jan	-2.8	2.0	-2.0	-3.0	-9.2	-3.8	-1.9	
Feb	-2.0	-0.2	-3.7	-2.6	-10.2	-3.0	-1.0	
Mar	-5.4	-4.0	-7.1	-5.5	-14.6	-9.4	-3.0	
Apr	-20.1	-13.7	-13.7	-16.2	-27.5	-27.9	-14.3	
May	-28.9	-21.1	-18.7	-23.3	-36.8	-48.3	-22.5	
Jun	-28.9	-23.1	-17.7	-26.5	-38.0	-54.1	-26.0	
Jul	-15.1	-16.6	-11.9	-19.6	-27.8	-43.9	-17.5	
Aug	-6.4	-11.4	-6.1	-13.4	-21.0	-31.1	-11.2	
Sep	-3.1	-8.8	-3.2	-9.4	-17.6	-22.3	-8.9	
Oct	-1.3	-6.0	-3.8	-6.1	-15.4	-17.3	-8.9	
Nov	0.3	-3.4	-1.9	-4.9	-12.2	-12.6	-9.9	
Dec	1.2	-2.4	-1.1	-5.4	-9.7	-11.1	-9.0	
2021 Jan	0.6	-3.9	0.6	-4.7	-9.1	-13.6	-7.6	

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

IOP5 Output of the production industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2018 = 100

Section	Manufacturing sub-sectors						CF
	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations	
	CA	CB	CC	CD	CE		
Latest weight	119.1	22.9	54.0	8.1	47.0	55.1	
Percentage change, latest 3 months on previous 3 months							
2018 Nov	-0.3	-1.0 [†]	0.8	1.4	3.1	3.8	
Dec	-0.1	-2.6	0.6	-1.3	2.6	5.2	
2019 Jan	0.5	-2.1	1.7	-0.7	3.5	5.3	
Feb	1.5	-1.3	0.4	2.7	2.2	4.8	
Mar	2.6	0.3	2.0	5.5	1.9	8.2	
Apr	1.8	1.0	2.3	3.1	-1.9	4.9	
May	0.4	0.7	1.0	0.4	-4.6	0.9	
Jun	-2.5	-0.9	-2.2	-3.7	-6.4	-6.4	
Jul	-2.8	-1.4	-4.2	-4.5	-4.5	-2.8	
Aug	-2.2	-0.9	-2.4	-7.4	-3.8	-0.6	
Sep	0.4	1.4	-0.6	-7.5	-2.7	-0.3	
Oct	1.6	2.4	2.1	-5.2	-0.9	-7.2	
Nov	1.5	2.4	1.3	-0.4	-0.9	-5.7	
Dec	-0.3	-1.1	0.4	8.5	0.1	-2.8	
2020 Jan	-1.7	-5.4	-1.8	6.9	0.3	2.4	
Feb	-1.4	-6.9	-2.6	5.6	3.9	4.6	
Mar	-0.6	-10.4	-3.4	-3.6	5.7	12.3	
Apr	-3.7	-26.1	-12.5	-11.9	2.3	18.8	
May	-7.2	-38.4	-20.1	-22.3	-	18.7	
Jun	-9.5	-33.2	-22.5	-27.6	-4.7	11.3	
Jul	-2.9	11.1	-3.9	-20.1	-1.8	4.5	
Aug	3.0	56.6	14.6	-8.1	-0.5	0.7	
Sep	6.7	60.7	24.6	6.3	4.0	-2.5	
Oct	3.1	21.5	13.4	9.5	4.4	-5.8	
Nov	0.1	4.8	6.8	11.1	4.8	-8.3	
Dec	-1.9	1.1	3.5	7.0	7.1	-6.4	
2021 Jan	-2.7	0.8	3.0	1.4	7.3	-1.2	

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Manufacturing sub-sectors								
	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment n.e.c	Transport equipment	Other manufacturing and repair	
Section	CG	CH	CI	CJ	CK	CL	CM	
Latest weight	56.4	82.3	51.6	19.4	58.1	108.5	66.1	
Percentage change, latest 3 months on previous 3 months								
2018 Nov	-0.9	-3.2	-2.6	1.7	-1.7	-1.9	0.4	
Dec	-1.4	-5.1	-1.8	0.6	-1.5	-3.4	-1.4	
2019 Jan	-1.7	-4.8	0.1	-1.5	-1.2	-2.6	-2.6	
Feb	-1.6	0.6	2.4	-1.9	-1.1	-1.4	-4.1	
Mar	-0.4	4.2	3.3	-0.6	-1.5	-0.3	-2.1	
Apr	-0.4	3.5	1.8	1.3	-1.6	-3.6	0.6	
May	-1.2	-0.3	1.3	2.1	-1.9	-3.7	2.1	
Jun	-2.3	-2.6	-0.7	1.1	-1.9	-3.4	0.8	
Jul	-2.1	-1.6	-0.5	-0.1	-2.4	4.2	-2.2	
Aug	-1.4	-1.2	-3.5	-1.3	-2.5	4.0	-3.6	
Sep	-1.0	-0.2	-2.7	-2.3	-3.1	2.2	-2.4	
Oct	-1.2	-1.0	-1.4	-3.5	-2.7	-2.3	-0.3	
Nov	-1.0	-0.4	1.0	-3.5	-2.6	-3.5	1.5	
Dec	-0.1	-	1.5	-2.2	-1.8	-2.5	0.6	
2020 Jan	0.8	1.2	-1.9	-0.7	-2.9	-2.0	-	
Feb	1.6	1.7	-2.5	0.1	-3.7	0.4	-0.8	
Mar	-2.0	-1.2	-5.2	-2.1	-8.5	-5.9	-2.0	
Apr	-18.1	-12.4	-10.3	-12.5	-21.4	-27.7	-12.1	
May	-28.3	-21.2	-14.5	-19.6	-30.9	-48.7	-20.1	
Jun	-26.6	-22.0	-12.0	-21.5	-28.8	-51.0	-23.1	
Jul	4.0	-5.0	1.6	-4.2	-2.9	-18.9	-5.8	
Aug	29.7	10.9	11.5	11.5	21.8	38.5	10.4	
Sep	34.9	18.3	14.4	20.4	28.8	72.8	20.1	
Oct	14.9	11.7	7.7	12.7	14.1	43.9	10.2	
Nov	6.1	8.6	5.5	6.0	8.3	22.4	3.0	
Dec	4.3	7.0	3.7	2.2	7.6	11.5	0.5	
2021 Jan	2.8	3.3	2.5	0.8	4.3	2.4	1.3	

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