

Statistical bulletin

Index of Production, UK: September 2017

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

- In the three months to September 2017, the Index of Production was estimated to have increased by 1.1% compared with the three months to June 2017, due mainly to a rise of 1.1% in manufacturing.
- The largest contribution to the rise in manufacturing in the three months to September 2017 came from transport equipment, which rose by 3.0% followed by other manufacturing and repair, which rose by 4.4%.
- In September 2017, total production was estimated to have increased by 0.7% compared with August 2017, due mainly to a rise of 0.7% in manufacturing, with the largest upward contribution from <u>machinery</u> and equipment not elsewhere classified and smaller increases from a range of other industries.
- Total production output for September 2017 compared with September 2016 increased by 2.5%, with manufacturing providing the largest upward contribution, increasing by 2.7%; this was supported by rises in the other three main sectors.
- In this release, the Index of Production estimate for Quarter 3 (July to Sept) 2017 was revised up by 0.1% from the increase of 1.0% published in <u>Gross domestic product, preliminary estimate: July to September 2017</u>; the upward impact of this revision to the previously published GDP was 0.03 percentage points, which does not impact the headline GDP growth rate to one decimal place.

2. Things you need to know about this release

The Index of Production (IoP) is an important economic indicator and one of the short-term measures of economic activity in the UK. It is used in the compilation of gross domestic product (GDP); the production industries' weight accounts for 14.0% of the <u>output approach to the measurement of GDP</u>.

The IoP measures the UK output in the mining and quarrying; manufacturing; energy supply; and water supply and waste management industries. The IoP estimates are mainly based on the Monthly Business Survey (MBS) of approximately 6,000 businesses. For the mining and quarrying, and energy supply sectors, and two manufacturing industries namely coke and refined petroleum, and basic iron and steel, we receive volume data from the <u>Department for Business, Energy and Industrial Strategy (BEIS)</u> and the <u>International Steel Statistics</u> <u>Bureau (ISSB)</u> respectively. Unless otherwise stated, all estimates included in this release are based on seasonally adjusted data. The current price non-seasonally adjusted estimates of industries collected by the MBS can be found in today's (10 November 2017) publication of <u>TOPSI: Turnover in production and services industries</u>.

As part of the Short-term Economic Indicators theme day, TOPSI produces the <u>proportion of turnover from exports</u> by industry and <u>level of turnover and exports (£ millions)</u>. However, this is not always comparable with UK trade statistics, for a number of reasons. These include, but are not limited to:

- different data sources IoP and TOPSI are based on a survey of businesses; UK Trade in Goods uses administrative data collected by HM Revenue and Customs (HMRC)
- different concepts being measured IoP reports the value of exports as a proportion of the industry's turnover; the UK trade in goods data report the change in ownership between the UK and other countries
- time lag there can be time lags between the sale of a product reported in IoP and the movements of that product reported by UK trade

Further information on UK trade and how data on it are compiled can be found in the "Things you need to know about this release" section of the <u>UK trade release</u>.

This release has a revisions period back to July 2017. This is in line with the standard <u>National Accounts</u> <u>Revisions Policy</u>. Revisions can be made for a variety of reasons; the most common include:

- · late responses to surveys and administrative sources, or changes to original returns
- forecasts being replaced by actual data
- revisions to seasonal adjustment factors, which are re-estimated every month and reviewed annually

This revisions period is consistent with the National Accounts Revisions Policy.

Care should be taken when using the month-on-month growth rates as data can often be volatile; longer-term growth rates and examination of the time series allow for better interpretation of the statistics.

Summary information can be found in the Quality and Methodology Information report.

3. Index of Production (IoP) main figures and the longer-term trend

Figures 1 and 2 show that both the Index of Production (IoP) and Index of Manufacturing (IoM) followed a broadly upward trend following the economic downturn. Growth was more pronounced from the beginning of 2010, as the economy recovered, before a downturn during 2012. Since then, both production and manufacturing output have risen but remain below their level reached in the pre-downturn gross domestic product (GDP) peak in Quarter 1 (Jan to Mar) 2008, by 6.4% and 2.5% respectively in the three months to September 2017.

Figure 1: Index of Production in the UK

Seasonally adjusted, September 2007 to September 2017, UK

Economic igure 1: Index of Production in the UK

Seasonally adjusted, September 2007 to September 2017, UK



Source: Primarily Monthly Business Survey (Production and Services) - Office for National Statistics

Notes:

1. Quarter 1 (Jan to Mar) 2008 to Quarter 2 (Apr to June) 2009 - UK economic downturn.

Figure 2: Index of Manufacturing in the UK

Seasonally adjusted, September 2007 to September 2017, UK

^{Economic} downtum 2: Index of Manufacturing in the UK

Seasonally adjusted, September 2007 to September 2017, UK



Source: Primarily Monthly Business Survey (Production and Services) - Office for National Statistics

Notes:

1. Quarter 1 (Jan to Mar) 2008 to Quarter 2 (Apr to June) 2009 – UK economic downturn.

Table 1 shows the growth rates and contributions for the IoP and main sectors for September 2017. The monthly estimate of total production rose by 0.7%. There were rises in two of the four main sectors, with manufacturing providing the largest upward contribution, increasing by 0.7%, supported by mining and quarrying, rising by 2.2%.

The three months-on-previous three months estimate of total production rose by 1.1% in September 2017, with rises in all four of the main sectors. Manufacturing provided the largest upward contribution, increasing by 1.1%.

Description	% of production 1	Month on previous month growth (%)	Contribution to production (% points)	Most recent 3 months on previous 3 months growth (%)	Contribution to production (% points)
loP	100.0	0.7	0.67	1.1	1.15
Mining and quarrying	8.7	2.2	0.19	2.1	0.18
Manufacturing	72.0	0.7	0.50	1.1	0.78
Electricity, gas, steam and air conditioning	12.0	0.0	0.00	1.1	0.13
Water supply, sewerage and waste management	7.2	-0.1	-0.01	0.7	0.05

Table 1: Index of Production headline growth rates and contributions, September 2017, UK

Source: Office for National Statistics

Notes:

1. "% of production" column does not add up to 100 due to rounding.

4. What is contributing to the three months-on-previous three months increase?

In the three monthsonprevious three months to September 2017, total production was estimated to have increased by 1.1% (Table 2) and follows a decrease of 0.3% in the three months to June 2017.

Manufacturing provided the largest upward contribution to total production, rising by 1.1%, with 8 of its 13 subsectors rising. Within this sector, transport equipment provided the largest contribution, rising by 3.0%, due mainly to an increase of 4.2% in motor vehicles, trailers and semi-trailers. The strength came from the month of July 2017 and evidence suggested that the production of new models of motor vehicles contributed to the growth. This industry experienced a weak Quarter 2 (Apr to June) 2017, when it fell by 5.3%.

Sector	Summary description	Three months on previous three months growth (percentage)	Contribution to production (percentage points)
loP	Index of Production	1.1	1.15
Sector B	Total Mining and Quarrying	2.1	0.18
5	Coal and Lignite	2.0	0.00
6	Crude petroleum and Natural gas	2.9	0.19
789	Other mining and quarrying	-0.5	-0.01
Sector C	Total Manufacturing	1.1	0.78
CA	Food, beverages and tobacco	-0.4	-0.04
СВ	Textiles and leather products	1.2	0.03
CC	Wood, paper and printing	1.0	0.05
CD	Coke and petroleum	-3.5	-0.04
CE	Chemical products	1.1	0.05
CF	Pharmaceutical products	-2.2	-0.11
CG	Rubber and plastic products	0.0	0.00
СН	Metal products	-0.2	-0.02
CI	Computer, electronic and optical	2.2	0.07
CJ	Electrical equipment	1.2	0.03
CK	Machinery and equipment	3.0	0.13
CL	Transport equipment	3.0	0.32
СМ	Other manufacturing and repair	4.4	0.31
Sector D	Total Electricity and Gas	1.1	0.13
35.1	Electric power generation, transmission and distribution	1.5	0.12
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	0.1	0.01
Sector E	Total Water	0.7	0.05
36	Water collection, treatment and supply	-2.3	-0.05
37	Sewerage	2.5	0.06
38	Waste collection, treatment and disposal activities; materials recovery	1.5	0.05
39	Remediation activities and other waste management services	1.6	0.00

Table 2: Growths and contributions to production, three months-on-previous three months, September 2017, UK

Source: Office for National Statistics

5. What is contributing to the month-on-month increase?

The monthly estimate of total production increased by 0.7% in September 2017 (Table 3). There were rises in two of the four main sectors.

Manufacturing provided the largest upward contribution, increasing by 0.7%, with 10 of the 13 sub-sectors rising. This is the fifth consecutive monthly rise in this sector and follows growth of 0.4% in August 2017. <u>Machinery and equipment not elsewhere classified</u> provided the largest upward contribution to the growth in manufacturing, rising by 3.2%, following 0.0% in August 2017.

The rise of 2.2% in the mining and quarrying sector was due to a rise of 2.7% in oil and gas extraction. The higher output in September 2017 was largely due to a period of maintenance during August 2017.

Sector	Summary description	Month on previous month growth (percentage)	Contribution to production (percentage points)
loP	Index of Production	0.7	0.67
Sector B	Total Mining and Quarrying	2.2	0.19
5	Coal and Lignite	-6.4	0.00
6	Crude petroleum and Natural gas	2.7	0.17
789	Other mining and quarrying	0.7	0.01
Sector C	Total Manufacturing	0.7	0.50
CA	Food, beverages and tobacco	-1.1	-0.12
СВ	Textiles and leather products	-1.5	-0.04
CC	Wood, paper and printing	-0.7	-0.03
CD	Coke and petroleum	4.7	0.06
CE	Chemical products	1.2	0.06
CF	Pharmaceutical products	0.5	0.02
CG	Rubber and plastic products	0.3	0.02
СН	Metal products	0.7	0.06
CI	Computer, electronic and optical	2.9	0.10
CJ	Electrical equipment	2.7	0.06
СК	Machinery and equipment	3.2	0.15
CL	Transport equipment	0.5	0.05
СМ	Other manufacturing and repair	1.8	0.13
Sector D	Total Electricity and Gas	0.0	0.00
35.1	Electric power generation, transmission and distribution	-0.2	-0.01
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	0.3	0.01
Sector E	Total Water	-0.1	-0.01
36	Water collection, treatment and supply	0.3	0.01
37	Sewerage	1.1	0.03
38	Waste collection, treatment and disposal activities; materials recovery	-1.3	-0.04
39	Remediation activities and other waste management services	-0.3	0.00

Table 3: Growths and contributions to production, month-on-previous month, September 2017, UK

Source: Office for National Statistics

6. What is contributing to the month-on-same-month a year ago increase?

Total production increased by 2.5% in September 2017 compared with September 2016; all four of the main sectors provided upwards contributions (Table 4).

The largest upward contribution came from manufacturing, which increased by 2.7%. There was broad-based strength throughout the sector, with 9 of the 13 sub-sectors increasing. The largest upward contribution came from transport equipment, which rose by 5.8%. Within this sub-sector, air and spacecraft and related machinery rose by 10.2%. This is a contract driven industry that can experience large milestone payments.

Table 4: Growths and contributions to production, month-on-same-month a year ago, September 2017, UK

Sector	Summary description	Month on same month a year ago growth (percentage)	Contribution to production (percentage points)
loP	Index of Production	2.5	2.53
Sector B	Total Mining and Quarrying	1.3	0.12
5	Coal and Lignite	-29.8	0.00
6	Crude petroleum and Natural gas	1.1	0.08
789	Other mining and quarrying	2.5	0.04
Sector C	Total Manufacturing	2.7	1.96
CA	Food, beverages and tobacco	-1.6	-0.18
СВ	Textiles and leather products	5.6	0.15
CC	Wood, paper and printing	3.3	0.16
CD	Coke and petroleum	-0.6	-0.01
CE	Chemical products	2.8	0.14
CF	Pharmaceutical products	-1.8	-0.09
CG	Rubber and plastic products	-2.6	-0.16
СН	Metal products	0.6	0.05
CI	Computer, electronic and optical	9.7	0.31
CJ	Electrical equipment	7.7	0.15
СК	Machinery and equipment	9.2	0.40
CL	Transport equipment	5.8	0.61
СМ	Other manufacturing and repair	6.0	0.43
Sector D	Total Electricity and Gas	1.6	0.19
35.1	Electric power generation, transmission and distribution	-0.3	-0.03
35.2-3	Manufacture of gas; distribution of gaseous fuels through mains; steam and aircon supply	6.2	0.22
Sector E	Total Water	3.5	0.26
36	Water collection, treatment and supply	-1.3	-0.03
37	Sewerage	7.7	0.17
38	Waste collection, treatment and disposal activities; materials recovery	3.9	0.12
39	Remediation activities and other waste management services	0.7	0.00

Source: Office for National Statistics

7 . Links to related statistics

The corresponding price indices used to deflate the Index of Production (IoP) are published in the monthly publication of <u>UK producer price inflation</u>. Product sales by manufacturers are published on an annual basis in <u>UK manufacturers' sales by product (PRODCOM)</u> statistical bulletins; estimates are in current prices, unlike the chained volume measures published in the IoP release.

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

The IoP follows the <u>Eurostat short-term statistics (STS)</u> regulation for measuring output in production. The latest release of <u>industrial production</u> and <u>output in manufacturing</u> are available from Eurostat and are updated monthly. It should be noted that an accurate comparison cannot be made between our publication and the Eurostat publication without re-indexing the data to the same base year, as Eurostat data are calculated on a 2010 equals 100 basis, while UK data are calculated on a 2015 equals 100 basis.

Outside the EU, the US Census Bureau releases <u>Manufacturing and Trade Inventories and Sales</u> reports. Accurate comparisons cannot be made between our publication and the US Census Bureau release, as the UK data are calculated at chained volume indices, which take into account price changes, while the US publication is not adjusted for price changes.

8. What's new?

We published the <u>Short-term indicators economic commentary</u> alongside this release, presenting new information on economic conditions in September 2017, with data available for output in production, construction and the trade balance.

We published the <u>Monthly economic commentary: October 2017</u> on 25 October 2017, presenting analysis of the latest estimate of gross domestic product and economic commentary for prices, short-term indicators and labour market indicators to complement theme day economic commentary.

We previously announced that we would publish an article on <u>VAT turnover implementation into national</u> accounts: November update on 10 November 2017; this will now be published on 20 November 2017.

9. Upcoming changes

We will begin using Value Added Tax (VAT) data, alongside the Monthly Business Survey (MBS) data, in the production of gross domestic product (GDP) statistics from December 2017. This change means that the Monthly Business Survey will no longer be the sole turnover data source.

We announced in our previous bulletin that we were planning to stop the publication of Turnover in Production and Services Industries (TOPSI), which is based on the Monthly Business Survey (MBS), in its current form. The final release of TOPSI in its current form is today, 10 November 2017. From December 2017, the IoP bulletin will contain an additional annex covering the Monthly Business Survey data used in its compilation.

10. Quality and methodology

The majority of data used to compile the manufacturing sector, and thus the Index of Production (IoP), are collected via the Monthly Business Survey (MBS). The MBS samples around 6,000 businesses every month. The data collected are turnover excluding Value Added Tax (VAT) and exports for some applicable industries. These data are then deflated using <u>Producer Price Indices (PPI)</u>. Within the manufacturing sector we also receive direct volume data from the Department for Business, Energy and Industrial Strategy (BEIS) for fuel industries and the International Steel Statistics <u>Bureau</u> for steel industries.

The mining and quarrying sector is comprised mainly of data from BEIS, including volume of oil and gas extraction and coal extraction. The data used to produce the energy sector are also from BEIS and include energy and gas supply output. A comprehensive list of the IoP source data can be found in the <u>Gross domestic</u> product (GDP(O)) source catalogue.

Within the suite of datasets published monthly alongside this release, you will find:

- Output of the Production Industries (IOP5) publication tables
- <u>Revisions to Output of the Production Industries</u> (IOP5R)
- Monthly Business Survey response rates for production industries for this publication
- Revision triangle monitors the size of monthly and three-monthly revisions
- Index of Production weights 2015 equals 100
- Index of Production and Sectors to four decimal places

The <u>TOPSI: production and services turnover</u> is published alongside this release, providing current price estimates for industries collected by the MBS.

The Index of Production Quality and Methodology Information report contains important information on:

- the strengths and limitations of the data and how it compares with related data
- uses and users of the data
- how the output was created
- the quality of the output including the accuracy of the data



Index of Production Release Tables

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

Pages 12-21 Table IoP5R, revisions to index values and growth rates for industry groups and manufacturing sub-sectors



Output of the Production Industries, September 2017

Page 1 Output by Broad industry groups and Main industrial groupings Percentage change, latest year on previous year Percentage change, latest month on same month a year ago Percentage change, latest month on previous month Percentage change, latest 3 months on same 3 months a year ago Page 2 Percentage change, latest 3 months on previous 3 months Page 3 Output by Manufacturing sub-sectors part 1 Page 4 Percentage change, latest year on previous year Percentage change, latest month on same month a year ago Page 5 Output by Manufacturing sub-sectors part 2 Percentage change, latest year on previous year Percentage change, latest month on same month a year ago Percentage change, latest month on previous month part 1 Percentage change, latest 3 months on same 3 months a year ago Page 6 Percentage change, latest month on previous month part 2 Page 7 Percentage change, latest 3 months on same 3 months a year ago Page 8 Percentage change, latest 3 months on previous 3 months part 1

Page 9 Percentage change, latest 3 months on previous 3 months part 2

Enquiries

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

			Broad ind	ustry groups				Mair	n industrial group	Seasonally adjust pings	
					Water supply,						
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
Section	B+C+D+E	В	С	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight	1 000.0	87.1	720.5	120.3	72.1	65.1	49.3	204.4	240.5	267.9	219.9
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2012	98.0	94.6	98.1	105.3	92.2	98.5	95.5	99.8	97.1	96.1	102.4
2013	97.3	91.9	97.2	105.1	96.1	90.5	94.2	98.9	98.1	95.4	98.8
2014 2015	98.8	92.5	100.0	99.0	96.7	89.5	100.1	99.5	101.0	100.2	95.5
2015	100.0 101.3	100.0 99.0	100.0 100.9	100.0 102.6	100.0 105.3	100.0 104.0	100.0 100.9	100.0 100.4	100.0 102.7	100.0 98.4	100.0 102.4
2016 Q3 Q4	101.4 102.1	104.3 95.1	100.6 102.0	101.1 104.6	105.9 106.9	111.0 99.0	101.5 102.7	99.2 100.8	103.0 103.9	98.2 99.6	103.7 102.4
2017 Q1	102.3	97.9	102.6	100.3	109.0	102.3	103.5	99.7	106.5	99.8	100.8
Q2	102.1	98.5	102.3	100.0	107.9	102.6	102.7	100.1	106.1	99.4	100.9
Q3	103.2	100.6	103.4	101.1	108.7	105.5	104.5	99.5	109.5	99.9	101.9
2016 Jul	101.6	108.1	100.2	102.2	106.7	116.0	101.2	98.6	102.4	98.0	105.9
Aug Sep	101.3 101.2	104.3 100.5	100.5 101.2	101.5 99.6	105.9 105.1	110.9 106.0	102.2 101.1	99.1 99.8	103.0 103.7	97.9 98.6	103.7 101.6
Oct	101.2	91.7	101.2	102.8	105.1	94.2	101.6	97.9	102.2	98.6	101.0
Nov Dec	102.4 103.5	97.3 96.3	101.6 104.1	107.9 103.1	107.0 106.7	101.8 100.9	101.2 105.3	100.9 103.7	102.8 106.8	99.6 100.7	105.2 102.1
2017 Jan	103.1	98.3	102.9	104.0	108.6	103.2	104.4	100.5	106.5	100.3	103.1
Feb	102.3	97.0	102.5	100.8	109.0	100.9	105.1	99.0	106.9	99.9	100.7
Mar	101.6	98.2	102.2	96.0	109.5	102.8	101.0	99.6	106.1	99.3	98.6
Apr May	101.8 102.0	97.0 97.4	102.1 102.2	100.3 100.3	107.2 107.9	100.5 101.1	101.1 102.6	100.0 99.8	105.7 105.9	99.6 99.6	100.1 100.7
Jun	102.4	101.1	102.5	99.4	108.5	106.1	104.4	100.6	106.8	99.0	101.8
Jul Aug	102.8 103.1 [†]	100.2 99.6	102.9 103.3	100.8 101.3	[⊤] 108.3 108.9 [†]	104.8 [†] 104.4	101.8 ¹ 105.4	99.6 99.0	108.8 ¹ 108.9	[™] 99.5 [™] 99.7	101.4 101.6
Sep	103.8	101.8	104.0	101.2	108.8	107.2	106.5	99.1	110.7	100.6	102.7
Percentage chai	nge, latest year o	on previous ye	ar								
2012	-2.7	-11.0	-1.4	-0.9	-0.1	-14.2	-2.6	-3.8	1.3	-	-8.9
2013 2014	-0.7 1.5	-2.8 0.6	-1.0 2.9	-0.2 -5.8	4.2 0.6	-8.2 -1.0	-1.3 6.3	-0.9 0.6	0.9 3.0	-0.7 5.1	-3.5 -3.4
2015	1.2	8.1	-	1.0	3.4	11.7	-0.1	0.5	-1.0	-0.2	4.8
2016	1.3	-1.0	0.9	2.6	5.3	4.0	0.9	0.4	2.8	-1.6	2.4
-	nge, latest month										
2015 Jul Aug	0.5 1.7	10.7 19.8	-1.4 -0.8	-2.8 -2.6	8.4 5.5	15.0 28.1	0.9	0.4	-4.1 -0.4	-1.2	4.4 9.2
	1 5					20.1	-1.8	-0.7	-0.4	-1.8	9.2
Sep	1.5	8.9	-	2.6	3.3	14.2	-4.5	0.9	-0.3	-1.4	6.6
Sep Oct Nov	1.5 1.5 0.2	8.9 7.2 9.7	- - -1.6								6.6 6.3
Oct	1.5	7.2	- -1.6 -1.3	2.6 3.9	3.3 3.9	14.2 10.7	-4.5 -4.9	0.9 2.5	-0.3 -1.5	-1.4 -0.8	6.6 6.3 6.6
Oct Nov Dec 2016 Jan	1.5 0.2 -0.3 0.5	7.2 9.7 7.0	-1.3 0.1	2.6 3.9 0.7 -7.2 -3.5	3.3 3.9 3.4 7.8 8.0	14.2 10.7 16.0 14.2 7.6	-4.5 -4.9 -3.3 -5.2 -4.0	0.9 2.5 -0.9 0.2 -0.8	-0.3 -1.5 -2.9 -1.4 2.9	-1.4 -0.8 -2.5 -4.0 -2.8	6.6 6.3 6.6 1.5
Oct Nov Dec 2016 Jan Feb	1.5 0.2 -0.3 0.5 -0.2	7.2 9.7 7.0	-1.3	2.6 3.9 0.7 -7.2 -3.5 -4.5	3.3 3.9 3.4 7.8	14.2 10.7 16.0 14.2 7.6 18.3	-4.5 -4.9 -3.3 -5.2 -4.0 -0.6	0.9 2.5 -0.9 0.2 -0.8 1.5	-0.3 -1.5 -2.9 -1.4	-1.4 -0.8 -2.5 -4.0	6.6 6.3 6.6 1.5 0.9 3.0
Oct Nov Dec 2016 Jan Feb Mar Apr	1.5 0.2 -0.3 0.5 -0.2 -0.1 2.2	7.2 9.7 7.0 1.0 7.2 2.6 -1.6	-1.3 0.1 -1.2 -1.4 1.3	2.6 3.9 0.7 -7.2 -3.5 -4.5 1.1 9.2	3.3 3.9 3.4 7.8 8.0 5.1 5.4 3.8	14.2 10.7 16.0 14.2 7.6 18.3 11.3 4.0	-4.5 -4.9 -3.3 -5.2 -4.0 -0.6 -1.8 1.3	0.9 2.5 -0.9 0.2 -0.8 1.5 -2.0 4.4	-0.3 -1.5 -2.9 -1.4 2.9 -1.8 1.2 2.0	-1.4 -0.8 -2.5 -4.0 -2.8 -4.9 -4.8 -3.1	6.6 6.3 6.6 1.5 0.9 3.0 3.9 5.7
Oct Nov Dec 2016 Jan Feb Mar	1.5 0.2 -0.3 0.5 -0.2 -0.1	7.2 9.7 7.0 1.0 7.2 2.6	-1.3 0.1 -1.2 -1.4	2.6 3.9 0.7 -7.2 -3.5 -4.5 1.1	3.3 3.9 3.4 7.8 8.0 5.1 5.4	14.2 10.7 16.0 14.2 7.6 18.3 11.3	-4.5 -4.9 -3.3 -5.2 -4.0 -0.6 -1.8	0.9 2.5 -0.9 0.2 -0.8 1.5 -2.0	-0.3 -1.5 -2.9 -1.4 2.9 -1.8 1.2	-1.4 -0.8 -2.5 -4.0 -2.8 -4.9 -4.8	6.6 6.3 6.6 1.5 0.9 3.0 3.9 5.7 1.0
Oct Nov Dec 2016 Jan Feb Mar Apr May	1.5 0.2 -0.3 0.5 -0.2 -0.1 2.2 1.4	7.2 9.7 7.0 1.0 7.2 2.6 -1.6 -5.9	-1.3 0.1 -1.2 -1.4 1.3 1.6	2.6 3.9 0.7 -7.2 -3.5 -4.5 1.1 9.2 3.9	3.3 3.9 3.4 7.8 8.0 5.1 5.4 3.8 5.8	14.2 10.7 16.0 14.2 7.6 18.3 11.3 4.0 -2.8	-4.5 -4.9 -3.3 -5.2 -4.0 -0.6 -1.8 1.3 2.8	0.9 2.5 -0.9 0.2 -0.8 1.5 -2.0 4.4 0.3	-0.3 -1.5 -2.9 -1.4 2.9 -1.8 1.2 2.0 3.6	-1.4 -0.8 -2.5 -4.0 -2.8 -4.9 -4.8 -3.1 -0.8	6.6 6.3 6.6 1.5 3.0 3.9 5.7 1.0 3.0
Oct Nov Dec 2016 Jan Feb Mar Apr May Jun Jun Jul Aug	1.5 0.2 -0.3 0.5 -0.2 -0.1 2.2 1.4 1.3 2.1 0.9	7.2 9.7 7.0 1.0 7.2 2.66 -1.6 -5.9 -0.8 6.8 -3.2	-1.3 0.1 -1.2 -1.4 1.3 1.6 0.9 1.3 1.2	2.6 3.9 0.7 -7.2 -3.5 -4.5 1.1 9.2 3.9 3.6 2.8 1.4	3.3 3.9 3.4 7.8 8.0 5.1 5.4 3.8 5.8 3.9 3.5 5.6	14.2 10.7 16.0 14.2 7.6 18.3 11.3 4.0 -2.8 4.0 14.5 0.4	-4.5 -4.9 -3.3 -5.2 -5.2 -0.6 -1.8 1.3 2.8 -3.3 0.5 3.4	0.9 2.5 -0.9 0.2 -0.8 1.5 -2.0 4.4 0.3 1.8 -1.1	-0.3 -1.5 -2.9 -1.4 2.9 -1.8 1.2 2.0 3.6 3.4 5.5 5.32	-1.4 -0.8 -2.5 -4.0 -2.8 -4.9 -4.8 -3.1 -0.8 -3.1 -0.8 -3.4 -1.7 -1.0	6.6 6.3 6.6 1.5 0.9 3.0 3.9 5.7 1.0 3.0 5.7 1.0 3.0 5.6
Oct Nov Dec 2016 Jan Feb Mar Apr May Jun Jun	1.5 0.2 -0.3 0.5 -0.2 -0.1 2.2 1.4 1.3 2.1	7.2 9.7 7.0 1.0 7.2 2.6 -1.6 -5.9 -0.8 6.8	-1.3 0.1 -1.2 -1.4 1.3 1.6 0.9 1.3	2.6 3.9 0.7 -7.2 -3.5 -4.5 1.1 9.2 3.9 3.6 2.8	3.3 3.9 3.4 7.8 8.0 5.1 5.4 3.8 5.8 3.9 3.5	14.2 10.7 16.0 14.2 7.6 18.3 11.3 4.0 -2.8 4.0 14.5	-4.5 -4.9 -3.3 -5.2 -4.0 -0.6 -1.8 1.3 2.8 -3.3 0.5	0.9 2.5 -0.9 0.2 -0.8 1.5 -2.0 4.4 0.3 1.8	-0.3 -1.5 -2.9 -1.4 2.9 -1.8 1.2 2.0 3.6 3.4 5.5	-1.4 -0.8 -2.5 -4.0 -2.8 -4.9 -4.8 -3.1 -0.8 -3.4 -1.7	9.2 6.6 6.3 6.6 1.5 3.0 3.0 3.9 5.7 1.0 3.0 3.0 5.6 -0.4 -0.2 -2.8
Oct Nov Dec 2016 Jan Feb Mar Apr May Jun Jul Aug Sep	1.5 0.2 -0.3 0.5 -0.2 2.2 1.4 1.3 2.1 0.9 0.5 -0.4 2.7	7.2 9.7 7.0 7.2 2.6 -1.6 -5.9 -0.8 6.8 -3.2 -1.3 -10.4 -3.4	-1.3 0.1 -1.2 -1.4 1.3 1.6 0.9 1.3 1.2 0.5	2.66 3.99 0.7 -7.2 -3.5 -4.5 1.1 9.2 3.9 3.6 2.8 2.8 1.4 -1.4 0.2 8.8	3.3 3.9 3.4 7.8 8.0 5.1 5.4 3.8 3.8 3.5 5.6 6.0 6.1 6.4	14.2 10.7 16.0 14.2 7.6 18.3 11.3 4.0 -2.8 4.0 14.5 0.4 2.6 -8.6 -0.7	-4.5 -4.9 -3.3 -5.2 -4.0 -0.6 -1.8 1.3 2.8 -3.3 0.5 3.4 2.4	0.9 2.5 -0.9 0.2 -0.8 1.5 -2.0 4.4 0.3 1.8 -1.1 - 0.8 -3.7 1.5	-0.3 -1.5 -2.9 -1.4 2.9 -1.8 1.2 2.0 3.6 3.4 5.5 3.2 2.0	-1.4 -0.8 -2.5 -4.0 -2.8 -4.9 -4.8 -3.1 -0.8 -3.4 -1.7 -1.0 -1.0 -1.0 -1.0 -1.0 -1.1	6.6 6.3 6.6 1.5 3.0 3.0 3.9 5.7 1.0 3.0 3.0 3.0 5.6 -0.4 -0.2 -2.8 4.2
Oct Nov Dec 2016 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec	$\begin{array}{c} 1.5\\ 0.2\\ -0.3\\ 0.5\\ -0.2\\ -0.1\\ 2.2\\ 1.4\\ 1.3\\ 2.1\\ 0.9\\ 0.5\\ -0.4\\ 2.7\\ 4.5\end{array}$	7.2 9.7 7.0 1.0 7.2 2.6 -1.6 -5.9 -0.8 6.8 -3.2 -1.3 -10.4 -3.4 -1.6	-1.3 0.1 -1.2 -1.4 1.3 1.6 0.9 1.3 1.2 0.5 0.1 2.1 4.5	2.6 3.9 0.7 -7.2 -3.5 -4.5 1.1 9.2 3.9 3.6 2.8 1.4 -1.4 0.2 8.8 1.02	3.3 3.9 3.4 7.8 8.0 5.1 5.4 3.8 5.8 5.8 6.0 6.1 6.1 6.4 4.0	14.2 10.7 16.0 14.2 7.6 18.3 11.3 4.0 -2.8 4.0 14.5 0.4 2.6 -8.6 -0.7 1.3	-4.5 -4.9 -3.3 -5.2 -4.0 -0.6 -1.8 -1.8 -3.3 -3.3 -5 -3.4 2.4 4.5 -1.4 4.8	0.9 2.55 -0.9 0.2 -0.8 1.5 -2.0 4.4 0.3 1.8 -1.1 - -0.8 -3.7 -1.5 3.6	-0.3 -1.5 -2.9 -1.4 2.9 -1.8 1.2 2.0 3.6 3.4 5.5 5.2 2.0 0 2.4 3.3 5.5	-1.4 -0.8 -2.5 -4.0 -2.8 -4.9 -4.8 -3.1 -0.8 -3.4 -1.7 -1.0 -1.0 -1.0 -0.3 1.1 4.1	6.6 6.3 6.6 1.5 0.9 3.0 3.9 5.7 1.0 3.0 3.0 5.6 -0.4 -0.2 -2.8 4.2 5.6
Oct Nov Dec 2016 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2017 Jan Feb	$\begin{array}{c} 1.5\\ 0.2\\ -0.3\\ 0.5\\ -0.2\\ -0.1\\ 2.2\\ 1.4\\ 1.3\\ 2.1\\ 0.9\\ 0.5\\ -0.4\\ 2.7\\ 4.5\\ 3.3\\ 2.9\end{array}$	7.2 9.7 7.0 1.0 7.2 2.6 -1.6 -1.6 -1.6 -3.2 -1.3 -10.4 -3.4 -1.6 3.2 -1.5	-1.3 0.1 -1.2 -1.4 1.3 1.6 0.9 1.3 1.2 0.5 0.1 2.1 4.5 2.7 3.1	266 3.9 0.7 -7.2 -3.5 -4.5 1.1 9.2 3.9 3.6 2.8 8 1.4 -1.4 0.2 8.8 10.2 6.2 2.6	3.3 3.9 3.4 7.8 8.0 5.1 5.4 5.8 3.9 3.5 5.6 6.0 6.1 6.1 6.4 4.0 5.3 5.5	14.2 10.7 16.0 14.2 7.6 18.3 11.3 4.0 -2.8 4.0 14.5 0.4 2.6 -8.6 -0.7 1.3 5.4 -2.4	-4.5 -4.9 -3.3 -5.2 -4.0 -0.6 -1.8 1.3 2.8 -3.3 0.5 3.4 4.5 1.4 4.5 1.4 4.5 5.0 6.9	0.9 2.5 -0.9 0.2 -0.8 1.5 -2.0 4.4 0.3 1.8 -1.1 - - -0.8 -3.7 1.5 3.6 -3.6 -1.8	-0.3 -1.5 -2.9 -1.4 2.9 -1.8 1.2 2.0 3.6 3.4 5.5 3.2 2.0 2.4 3.3 3.5 5.5 4.8 8.0	-1.4 -0.8 -2.5 -4.0 -2.8 -4.9 -4.8 -3.1 -0.8 -3.4 -1.7 -1.0 -1.0 -0.3 1.1 4.1 1.7 2.5	66 63 66 1.5 0.9 3.0 3.9 5.7 1.0 3.0 5.6 -0.4 -0.2 -2.8 4.2 2.5 6 5.0 0.9
Oct Nov Dec 2016 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2017 Jan Feb Mar	1.5 0.2 -0.3 0.5 -0.2 -0.1 2.2 1.4 1.3 2.1 0.9 0.5 -0.4 2.7 4.5 3.3 2.9 1.7	7.2 9.7 7.0 1.0 7.2 2.6 -1.6 -5.9 -0.8 -3.2 -1.3 -10.4 -3.4 -1.6 3.2 -1.5 0.3	-1.3 0.1 -1.2 -1.4 1.3 1.6 0.9 0.5 0.1 2.1 2.1 4.5 2.7 3.1 2.6	2.6 3.9 0.7 -7.2 -3.5 -4.5 1.1 9.2 3.9 3.6 2.8 1.4 -1.4 -1.4 0.2 8.8 10.2 6.2 2.6 5.8	3.3 3.9 3.4 7.8 8.0 5.1 5.4 5.8 3.9 3.5 5.6 6.0 6.1 6.4 4.0 5.3 6.5 6.0	$\begin{array}{c} 14.2\\ 10.7\\ 16.0\\ 14.2\\ 7.6\\ 18.3\\ 11.3\\ 4.0\\ -2.8\\ 4.0\\ 14.5\\ 0.4\\ 2.6\\ -8.6\\ -0.7\\ 1.3\\ 5.4\\ -2.4\\ -0.5\end{array}$	-4.5 -4.9 -3.3 -5.2 -4.0 -0.6 -1.8 -1.8 -3.3 2.8 -3.3 0.5 3.4 2.4 4.5 -1.4 4.8 5.0 6.9 2.3	0.9 2.5 -0.9 0.2 -0.8 1.5 -2.0 4.4 0.3 1.8 -1.1 - -0.8 -3.7 -3.6 -3.7 3.6 1.0 -1.8 0.2	-0.3 -1.5 -2.9 -1.4 2.9 -1.4 1.2 1.2 0.0 3.6 3.4 5.5 3.2 2.0 0 2.4 3.3 5.5 4.8 8.0 0 4.7	-1.4 -0.8 -2.5 -4.0 -2.8 -4.9 -4.9 -4.9 -3.1 -0.8 -3.1 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1	66 63 66 1.5 0.9 3.0 3.9 5.7 1.0 3.0 3.0 5.6 -0.4 -0.2 2.8 4.2 5.6 5.0 9 -0.9 -2.7
Oct Nov Dec 2016 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2017 Jan Feb	$\begin{array}{c} 1.5\\ 0.2\\ -0.3\\ 0.5\\ -0.2\\ -0.1\\ 2.2\\ 1.4\\ 1.3\\ 2.1\\ 0.9\\ 0.5\\ -0.4\\ 2.7\\ 4.5\\ 3.3\\ 2.9\\ 1.7\\ -0.5\\ 0.3\\ \end{array}$	7.2 9.7 7.0 7.2 2.6 -1.6 -5.9 -0.8 6.8 -3.2 -1.3 -10.4 -3.4 -10.4 -3.4 -1.5 0.3 -1.5 0.3 -1.5 0.3 -1.6 -1.4	-1.3 0.1 -1.2 -1.4 1.3 1.6 0.9 1.3 1.2 0.5 0.5 0.1 2.1 4.5 2.7 3.1 2.6 0.4 1.0	2.6 3.9 0.7 -7.2 -3.5 -4.5 1.1 9.2 3.9 3.6 2.8 1.4 -1.4 0.2 8.8 10.2 6.2 2.6 -5.8 -7.1 -3.6 -3.6 -5.8 -7.1 -3.6 -4.5 -5.8 -5.8 -7.8 -5.8 -7.8 -5.8 -5.8 -7.8 -5.8 -7.8 -5.8 -7.8 -5.8 -7.8 -5.8 -7.8 -	3.3 3.9 3.4 7.8 8.0 5.1 5.4 3.8 5.8 5.8 5.6 6.0 6.1 6.4 4.0 5.3 6.5 6.0 2.9 1.8	$\begin{array}{c} 14.2\\ 10.7\\ 16.0\\ 14.2\\ 7.6\\ 18.3\\ 11.3\\ 4.0\\ -2.8\\ 4.0\\ 14.5\\ 0.4\\ 2.6\\ -8.6\\ -0.7\\ 1.3\\ 5.4\\ -2.4\\ -0.5\\ -3.3\\ -2.5\\ \end{array}$	-4.5 -4.9 -3.3 -5.2 -4.0 -0.6 -1.8 -1.8 -3.3 -3.3 -3.3 -3.4 2.4 4.5 -1.4 4.8 5.0 5.9 -2.3 0.1 1.4	0.9 2.5 -0.9 0.2 -0.8 1.5 -2.0 4.4 0.3 1.8 -0.8 -3.7 1.5 3.6 1.0 -1.5 -3.0 -1.5 -3.0 -1.5 -3.0 -1.5 -3.0 -1.5 -3.0 -1.5 -3.0 -1.5 -3.0 -1.5 -3.0 -1.5 -3.0 -1.5 -3.0 -1.5 -3.0 -1.5 -3.0 -1.5 -3.0 -1.5 -3.0 -3.2 -3.2 -3.2 -3.2 -3.2 -3.2 -3.2 -3.2	-0.3 -1.5 -2.9 -1.4 2.9 -1.8 1.8 1.2 2.0 3.6 3.4 5.5 5.5 2.2 2.0 2.4 3.3 5.5 4.8 8.0 4.7 2.5 3.1	-1.4 -0.8 -2.5 -4.0 -2.8 -4.9 -4.8 -3.1 -0.8 -3.4 -1.7 -1.0 -0.3 -1.0 -0.3 -1.1 4.1 1.7 2.5 2.3 1.3 1.3	6.6 6.3 6.6 1.5 0.9 3.0 3.0 3.0 3.0 3.0 3.0 3.0 5.7 5.7 5.7 5.7 4.2 4.2 4.2 4.2 4.2
Oct Nov Dec 2016 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2017 Jan Feb Mar Apr	$\begin{array}{c} 1.5\\ 0.2\\ -0.3\\ 0.5\\ -0.2\\ -0.1\\ 2.2\\ 1.4\\ 1.3\\ 2.1\\ 0.9\\ 0.5\\ -0.4\\ 2.7\\ 4.5\\ 3.3\\ 2.9\\ 1.7\\ -0.5\\ \end{array}$	7.2 9.7 7.0 1.0 7.2 2.6 -1.6 -1.6 -5.9 -0.8 6.8 -3.2 -1.3 -10.4 -3.4 -1.6 3.2 -1.5 0.3 -1.6	-1.3 0.1 -1.2 -1.4 1.3 1.6 0.9 1.3 1.2 0.5 0.1 2.1 2.1 2.7 3.1 2.6 0.4	2.66 3.99 0.7 -7.2 -3.5 -4.55 1.1 9.2 3.99 3.6 2.8 8 1.4 -1.4 0.2 8.8 10.2 6.2 2.66 -5.68 -7.1	3.3 3.9 3.4 7.8 8.0 5.1 5.4 8.8 3.9 3.5 5.6 6.0 6.1 6.4 4.0 5.3 6.5 6.0 2.9	14.2 10.7 16.0 14.2 7.6 18.3 11.3 4.0 -2.8 4.0 14.5 0.4 2.6 -8.6 -8.6 -8.6 -0.7 1.3 5.4 -2.4 -0.5 -3.3	-4.5 -4.9 -3.3 -5.2 -4.0 -0.6 -1.8 1.3 2.8 -3.3 0.5 0.5 3.4 4.5 5.0 4.4 4.8 5.0 6.9 2.3 3 0.1	0.9 2.5 -0.9 0.2 -0.8 1.5 -2.0 4.4 0.3 1.8 -1.1 - -0.8 -3.7 1.5 3.6 -1.8 0.2 -0.8 -1.8 -1.8 -1.1 -2.0 -1.8 -2.0 -1.8 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0	-0.3 -1.5 -2.9 -1.4 2.9 -1.8 1.2 2.0 3.6 3.4 5.5 3.2 2.0 2.4 4.3 3.5.5 4.8 8.0 0 4.7 2.5	-1.4 -0.8 -2.5 -4.0 -2.8 -4.9 -4.8 -3.1 -0.8 -3.4 -1.7 -1.0 -0.3 -1.0 -0.3 1.1 4.1 1.7 2.5 2.3 1.3	66 63 66 1.5 9 3.0 3.9 5.7 1.0 3.0 5.6 -0.4 -0.2 -2.8 4.2 5.6 5.0
Oct Nov Dec 2016 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2017 Jan Feb Mar Apr May	$\begin{array}{c} 1.5\\ 0.2\\ -0.3\\ 0.5\\ -0.2\\ -0.1\\ 2.2\\ 1.4\\ 1.3\\ 2.1\\ 0.9\\ 0.5\\ -0.4\\ 2.7\\ 4.5\\ 3.3\\ 2.9\\ 1.7\\ -0.5\\ 0.3\\ \end{array}$	7.2 9.7 7.0 7.2 2.6 -1.6 -5.9 -0.8 6.8 -3.2 -1.3 -10.4 -3.4 -10.4 -3.4 -1.5 0.3 -1.5 0.3 -1.5 0.3 -1.6 -1.4	-1.3 0.1 -1.2 -1.4 1.3 1.6 0.9 1.3 1.2 0.5 0.1 2.1 2.5 0.1 2.1 2.5 0.1 2.1 2.5 0.1 2.1 2.6 0.4 0.4 1.0 1.4	2.6 3.9 0.7 -7.2 -3.5 -4.5 1.1 9.2 3.9 3.6 2.8 1.4 -1.4 0.2 8.8 10.2 6.2 2.6 5.8 -7.1 -3.6	$\begin{array}{c} 3.3\\ 3.9\\ 3.4\\ 7.8\\ 8.0\\ 5.1\\ 5.4\\ 3.8\\ 3.9\\ 3.5\\ 5.6\\ 6.0\\ 6.1\\ 6.1\\ 6.4\\ 4.0\\ 5.3\\ 6.5\\ 6.0\\ 2.9\\ 1.8\\ 2.4\end{array}$	$\begin{array}{c} 14.2\\ 10.7\\ 16.0\\ 14.2\\ 7.6\\ 18.3\\ 11.3\\ 4.0\\ -2.8\\ 4.0\\ 14.5\\ 0.4\\ 2.6\\ -8.6\\ -0.7\\ 1.3\\ 5.4\\ -2.4\\ -0.5\\ -3.3\\ -2.5\\ 0.2\\ \end{array}$	-4.5 -4.9 -3.3 -5.2 -4.0 -0.6 -1.8 -1.8 -3.3 -3.3 -3.3 -3.4 2.4 4.5 -1.4 4.8 5.0 5.9 -2.3 0.1 1.4	0.9 2.5 -0.9 0.2 -0.8 1.5 -2.0 4.4 0.3 1.8 -1.1 - -0.8 -3.7 -3.6 -1.5 3.6 -1.5 0.3	-0.3 -1.5 -2.9 -1.4 2.9 -1.8 1.2 2.00 3.6 3.4 5.5 5.2 2.0 2.4 3.3 5.5 4.8 8.0 8.0 4.7 2.5 3.1 2.4 6.3	-1.4 -0.8 -2.5 -4.0 -2.8 -4.9 -4.8 -3.1 -0.8 -3.1 -0.8 -3.4 -1.7 -1.0 -0.3 1.1 4.1 1.7 2.5 2.3 1.3 1.3 1.5	66 63 66 1.5 0.9 3.0 3.9 5.7 1.0 3.0 3.0 5.6 -0.4 -0.2 -2.8 4.2 5.6 5.0 0.9 -2.7 -4.5 -2.4

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

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

			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	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRC
atest weight	1 000.0	87.1	720.5	120.3	72.1	65.1	49.3	204.4	240.5	267.9	219.9
g	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K241
Percentage cha	nge, latest mont	h on previous	month								
2015 Jul	-0.8	-0.1	-1.2	-0.2	1.0	-0.5	-2.5	1.3	-3.8	-1.3	0.2
Aug Sep	0.9 0.3	6.4 -5.5	0.4 1.4	0.7 0.9	-2.8 -1.1	9.0 -6.5	-1.8 -0.1	-0.6 1.5	2.8 1.9	-0.8 0.7	3.8
Oct	-0.1	0.6	-0.6	1.5	1.7	-0.3	-1.6	1.0	-1.8	-0.6	1.1
Nov	-0.9	-1.6	-0.5	-3.3	-0.2	-0.5	2.7	-2.2	-0.4	-0.5	-1.9
Dec	-0.7	-2.9	0.1	-5.7	2.1	-2.8	0.7	0.8	1.8	-1.7	-4.2
2016 Jan	0.7	-2.6	0.6	4.7	0.5	-1.7	-1.0	-0.7	0.3	1.8	1.6
Feb	-0.3	3.4	-0.8	0.3	-0.8	5.6	-1.2	1.3	-2.6	-1.1	1.0
Mar	0.6	-0.5	0.1	3.8	0.9	-	0.5	-1.5	2.5	-0.4	1.6
Apr	2.4	0.6	2.2	5.9	0.8	0.5	2.3	3.7	1.7	1.3	3.3
May	-0.7	0.2	-0.5	-3.6	1.8	-0.3	0.1	-1.6	-0.4	-	-1.5
Jun	-0.1	1.8	-0.2	-0.7	-	2.2	-1.4	-1.2	1.5	-0.8	
Jul	-	7.5	-0.8	-1.0	0.7	9.6	1.4	-1.6	-1.8	0.4	2.
Aug	-0.3	-3.5	0.3	-0.7	-0.8	-4.4	1.0	0.5	0.6	-0.1	-2.
Sep	-0.1	-3.6	0.7	-1.9	-0.8	-4.4	-1.1	0.7	0.7	0.7	-2.0
Oct	-1.0	-8.7	-1.0	3.2	1.8	-11.1	0.4	-1.9	-1.4	0.1	-1.6
Nov Dec	2.1 1.1	6.1 -1.1	1.4 2.4	5.0 -4.5	0.1 -0.3	8.0 -0.8	-0.4 4.1	3.1 2.8	0.6 3.9	1.0 1.2	5.2 -3.0
017 Jan	-0.4	2.2	-1.1	0.9	1.7	2.2	-0.8	-3.2	-0.3	-0.5	1.0
Feb	-0.8	-1.3	-0.4	-3.1	0.4	-2.2	0.6	-1.4	0.4	-0.4	-2
Mar	-0.6	1.3	-0.3	-4.8	0.5	1.9	-3.8	0.6	-0.7	-0.6	-2.0
Apr	0.2	-1.3	-0.1	4.5	-2.1	-2.3	0.1	0.4	-0.4	0.3	1.4
May	0.1	0.4	0.1	-	0.7	0.6	1.4	-0.2	0.2	-	0.7
Jun	0.4	3.8	0.2	-0.9	0.5	5.0	1.8	0.7	0.8	-0.6	1.0
Jul	0.4 ^T	-0.8		1.4	[™] -0.2	-1.2 ^T			1.9 ⁺	0.5 ^T	-0.4
Aug Sep	0.3 0.7	-0.6 2.2	0.4 0.7	0.5	0.5 ⁺ -0.1	-0.4 2.7	3.5 1.1	0.4 [†] -0.8	- 1.7	0.2 0.9	0.2 1.1
			• •	2							
Ū	nge, latest 3 mo			0							_
2015 Jul Aug	1.4 1.3	10.8 13.8	-0.2 -0.7	-0.6 -2.1	6.5 6.9	15.6 19.8	2.6 1.2	0.5 -0.2	-1.8 -1.9	-0.1 -0.6	5.2 6.3
Sep	1.2	13.1	-0.7	-1.0	5.7	19.0	-1.9	0.2	-1.6	-1.5	6.7
Oct	1.6	11.8	-0.2	1.3	4.2	17.4	-3.8	0.9	-0.7	-1.4	7.4
Nov	1.1	8.6	-0.5	2.4	3.5	13.6	-4.3	0.8	-1.6	-1.6	6.5
Dec	0.5	7.9	-0.9	-0.9	5.0	13.6	-4.5	0.6	-1.9	-2.4	4.6
016 Jan	0.1	5.8	-0.9	-3.4	6.4	12.5	-4.2	-0.5	-0.5	-3.1	3.0
Feb	-	5.0	-0.8	-5.1	6.9	13.3	-3.3	0.3	-0.1	-3.9	1.8
Mar	-	3.6	-0.8	-2.3	6.2	12.3	-2.2	-0.4	0.7	-4.2	2.
Apr	0.6	2.6	-0.4	1.8	4.7	10.9	-0.4	1.3	0.5	-4.3	4.
May Jun	1.1 1.6	-1.8 -2.8	0.5 1.3	4.7 5.5	5.0 4.5	3.9 1.7	0.7 0.2	0.9 2.1	2.3 3.0	-3.0 -2.5	3. 3.
Jul	1.6	2.0	1.3	3.4	4.4	5.1	-0.1	0.3	4.1	-2.0	3.1
Aug	1.6	- 0.8	1.3	3.4 2.6	4.4 4.3	6.1	-0.1	0.3	4.1	-2.0	3.
Sep	1.2	0.7	1.0	0.9	5.0	5.7	2.1	-0.6	3.5	-1.3	1.
Oct	0.3	-5.0	0.6	0.1	5.9	-1.8	3.4	-1.5	2.5	-0.8	-1.
Nov	0.9	-5.1	0.9	2.5	6.2	-2.2	2.8	-1.0	2.6	-0.1	0.
Dec	2.3	-5.2	2.2	6.2	5.5	-2.7	3.6	0.4	3.7	1.6	2.
017 Jan	3.5	-0.7	3.1	8.3	5.2	1.9	3.7	2.0	4.6	2.3	4.
Feb	3.6 2.6	- 0.7	3.4 2.8	6.2 0.9	5.2 5.9	1.4 0.8	5.6 4.7	0.9 -0.2	6.1 5.8	2.7 2.2	3. 1.
Mar Apr	2.6	-0.9	2.8	-3.6	5.9	-2.1	4.7	-0.2	5.8	2.2	-2.
Ahi	0.5	-0.9	2.0	-3.6 -5.5	5.1 3.6	-2.1	3.1	-1.5	5.0 3.4	2.0	-2.
May	0.5	-0.9	0.9	-4.8	2.4	-1.8	2.1	-1.4	2.7	1.3	-2.
May Jun											
	0.8 ^T	-2.9	^т 1.7	-2.9		-4.2 [†]	2.2	· -0.1	3.9	1.4 [⊤]	-2.
Jun	0.8 [⊤] 1.2 1.8	-2.9 -3.8 -3.6	T 1.7 2.3 2.7	-2.9 -1.8	[⊤] 1.9 2.2 2.6	-4.2 [⊤] -5.2 -4.9	2.2 2.8 3.0	-0.1 0.7 0.4		1.4 [⊤] 1.6 1.8	-2. -2. -1.

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

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

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

			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	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
atest weight	1 000.0	87.1	720.5	120.3	72.1	65.1	49.3	204.4	240.5	267.9	219.9
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
Percentage cha	nge, latest 3 mo	nths on previ	ous 3 months ²								
015 Jul	0.1	7.0	-1.1	-1.1	3.3	10.5	1.1	-	-1.6	-2.0	3.1
Aug	-0.1	3.2	-0.9	-0.2	2.3	4.8	1.3	-1.3	-0.9	-1.0	1.9
Sep		1.4	-0.4	0.7	-	2.2	-1.1	0.4	-0.8	-1.2	1.6
Oct	0.6	1.4	0.5	1.5	-1.7	2.3	-2.5	0.7	1.4	-0.8	2.1
Nov	0.3	-1.7	0.7	1.1	-1.6	-1.5	-2.3	1.5	1.1	-0.8	0.3
Dec	-0.4	-3.1	0.1	-1.8	0.5	-3.1	-0.3	0.6	0.7	-1.3	-1.9
2016 Jan	-1.1	-5.8	-0.2	-4.3	2.1	-5.3	1.7	-0.8	0.3	-1.2	-4.2
Feb	-1.0	-4.4	-0.3	-4.3	2.5	-2.6	0.8	-0.4	0.3	-1.4	-3.6
Mar	-0.1	-3.1	-	1.0	1.6	-0.2	-0.3	-0.5	0.4	-0.4	-0.4
Apr	1.1	0.4	0.4	6.0	1.1	3.5	-0.6	1.4	0.3	-0.4	3.4
May	2.0	1.3	1.1	8.3	1.7	3.3	0.9	1.1	1.8	0.3	4.9
Jun	2.2	2.2	1.6	5.7	2.4	2.9	1.8	1.7	2.7	0.4	3.9
Jul	1.0	4.2	0.6	0.5	2.9	4.8	1.4	-1.0	2.0	0.4	2.1
Aug	0.2	5.9	-0.3	-2.2	1.6	7.0	0.7	-1.9	0.8	-0.1	1.1
Sep	-0.5	5.0	-0.7	-3.8	0.5	6.2	0.8	-2.3	-0.3	0.1	0.1
Oct	-0.7	-3.6	-0.2	-1.8	-0.3	-4.4	0.9	-1.1	-0.1	0.4	-2.2
Nov	-0.2	-7.5	0.5	1.1	0.1	-9.2	0.2	0.2	-0.3	1.1	-1.9
Dec	0.7	-8.8	1.3	3.4	1.0	-10.8	1.2	1.7	0.9	1.5	-1.3
017 Jan	2.0	-1.5	2.2	3.6	1.4	-1.7	2.0	2.8	2.3	1.9	1.6
Feb	1.6	0.7	2.1	-0.8	1.6	1.0	3.6	1.5	3.7	1.4	-0.3
Mar	0.3	2.9	0.6	-4.1	2.0	3.4	0.8	-1.2	2.4	0.1	-1.6
Apr	-1.0	0.1	-0.6	-5.7	1.0	-0.5	-1.2	-2.1	0.8	-0.6	-3.6
May	-1.1	0.4	-1.0	-3.7	0.1	-0.2	-3.2	-1.3	-0.8	-0.8	-2.1
Jun	-0.3	0.6	-0.3	-0.3	-1.0	0.2	-0.8	0.5	-0.3	-0.4	0.1
Jul	0.5 [†]	2.2	т 0.2	1.1	-0.3	2.5 [†]	0.5	⊤ 0.5	0.9	-0.2	1.5
Aug	0.9	2.8	0.7	1.7		3.6	2.2	0.2			1.8
Sep	1.1	2.1	1.1	1.1	0.7	2.9	1.8	-0.6	3.1	0.5	1.0

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.

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

	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutica products and preparation
Section	CA	CB	CC	CD	CE	CI
atest weight	114.5	26.8	50.3	13.0	49.5	51.
atest weight	K22B	K22P	K22T	K22X	K22Z	K239
012	97.6	108.4	96.0	109.2	93.1	107.2
013 014	95.9 100.0	103.6 100.9	98.2 99.3	107.1 97.5	92.1 94.6	104.4 99.2
015	100.0	100.0	100.0	100.0	100.0	100.0
016	101.5	95.6	99.7	98.4	97.2	103.4
016 Q3 Q4	101.6 101.5	97.0 96.6	99.2 100.2	98.8 102.3	98.2 97.9	99.2 108.5
017 Q1 Q2	101.9 101.8	103.2 104.5	102.1 101.0	99.0 99.6	99.4 100.1	98. 101.
Q3	101.4	104.5	102.0	96.1	101.3	99.0
016 Jul	101.2	96.0	99.4	99.1	97.7	96.
Aug	101.4	97.5	99.4	96.5	97.2	98.
Sep Oct	102.1 100.9	97.5 95.7	98.9 98.9	100.8 102.8	99.7 98.0	102. 98.
Nov	100.9	95.7	100.5	102.8	98.0 97.7	109.
Dec	102.4	98.6	101.1	99.9	98.0	117.
017 Jan	101.5	99.6	102.8	98.8	100.5	102.
Feb Mar	101.9 102.2	104.0 106.0	101.0 102.6	98.0 100.3	98.1 99.7	96. 96.
Apr	103.1	102.6	101.2	96.0	100.4	98.
May Jun	101.6 100.7	105.5 105.4	101.3 100.5	101.3 101.3	99.1 100.9	100. 104.
Jul	102.1			92.3	99.9 [†]	
Aug Sep	101.6 100.5	104.6 103.0	102.8 102.2	† 95.7 † 100.2	101.3 102.5	99. 100.
ercentage cha	inge, latest year or					
2012 2013 2014 2015	-2.6 -1.7 4.2	-3.4 -4.4 -2.6 -0.9	-5.3 2.2 1.1 0.7	-10.1 -1.9 -8.9 2.5	-1.9 -1.1 2.7 5.7	-2. -5. 0.
012 013 014 015 016	-2.6 -1.7 4.2 1.5	-3.4 -4.4 -2.6 -0.9 -4.4	2.2 1.1 0.7 -0.3	-1.9 -8.9	-1.1 2.7	-2. -5. 0.
012 013 0014 0015 0016 Percentage cha	-2.6 -1.7 4.2 1.5	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y	2.2 1.1 0.7 -0.3	-1.9 -8.9 2.5 -1.6	-1.1 2.7 5.7 -2.8	-5.: -2.: -5.: 0.: 3.:
012 013 0014 0015 0016 Percentage cha	-2.6 -1.7 4.2 1.5 ange, latest month -0.8	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y	2.2 1.1 0.7 -0.3 ear ag:	-1.9 -8.9 2.5 -1.6 9.0	-1.1 2.7 5.7 -2.8 4.8	-2. -5. 0.3 3.
012 013 0014 0015 0016 Percentage cha	-2.6 -1.7 4.2 1.5	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y	2.2 1.1 0.7 -0.3	-1.9 -8.9 2.5 -1.6	-1.1 2.7 5.7 -2.8	-2. -5. 0. 3. 0. -1.
012 1013 1014 1015 1016 Percentage cha 1015 Jul Aug Sep Oct	-2.6 -1.7 4.2 1.5 ange, latest month -0.8 -0.4 0.7 -0.5	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a yr 5.0 -3.0 2.6 6.8	2.2 1.1 0.7 -0.3 ear ag: -0.8 -2.5 -0.8 -2.6 -0.8 -1.6	-1.9 -8.9 2.5 -1.6 9.0 7.9 9.9 13.9	-1.1 2.7 5.7 -2.8 4.8 7.9 4.2 5.2	-2. -5. 0. 3. 0. -1. 1. 8.
2012 2013 2014 2015 2016 Percentage cha 2015 Jul Aug Sep	-2.6 -1.7 4.2 1.5 ange, latest month -0.8 -0.4 0.7	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y 5.0 -3.0 2.6	2.2 1.1 0.7 -0.3 ear ag: -0.8 -2.5 -0.8	-1.9 -8.9 2.5 -1.6 9.0 7.9 9.9	-1.1 2.7 5.7 -2.8 4.8 7.9 4.2	-2. -5. 0. 3. 0. -1. 1. 8. -2.
012 013 014 015 0016 Percentage cha 015 Jul Aug Sep Oct Nov Dec 016 Jan	-2.6 -1.7 4.2 1.5 ange, latest month -0.8 -0.4 0.7 -0.5 -0.5 -1.1 0.3	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y 5.0 -3.0 2.6 6.8 2.9 6.9 6.9	2.2 1.1 0.7 -0.3 ear ag: -0.8 -2.5 -0.8 -1.6 1.0 0.8 -1.6 1.0 0.8 -2.4	-1.9 -8.9 2.5 -1.6 9.0 7.9 9.9 13.9 14.8 2.9 4.8	-1.1 2.7 5.7 -2.8 4.8 7.9 4.2 5.2 5.2 4.4 2.5 -2.8	-2. -5. 0. 3. 0. -1. 1. 8. -2. -1. -3.
012 013 014 015 0016 Percentage cha 015 Jul Aug Sep Oct Nov Dec 016 Jan Feb	-2.6 -1.7 4.2 1.5 unge, latest month -0.8 -0.4 0.7 -0.5 -0.5 -0.5 -1.1 0.3 1.5	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y 5.0 -3.0 2.6 6.8 2.9 6.9 6.9 -5.4	2.2 1.1 0.7 •0.3 ear ag: -0.8 -2.5 -0.8 -1.6 1.0 0.8 -2.4 -3.6	-1.9 -8.9 2.5 -1.6 9.0 7.9 9.9 13.9 14.8 2.9 4.8 -2.9	-1.1 2.7 5.7 -2.8 4.8 7.9 4.2 5.2 5.2 4.4 2.5 -2.8 -5.9	-2. -5. 0. 3. -1. 1. 8. -2. -1. -3. 6.
012 013 014 015 0016 Percentage cha 015 Jul Aug Sep Oct Nov Dec 016 Jan	-2.6 -1.7 4.2 1.5 ange, latest month -0.8 -0.4 -0.4 -0.7 -0.5 -0.5 -1.1 0.3 1.5 -0.7 2.7	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y 5.0 -3.0 2.6 6.8 2.9 6.9 6.9	2.2 1.1 0.7 -0.3 ear ag: -0.8 -2.5 -0.8 -1.6 1.0 0.8 -1.6 1.0 0.8 -2.4	-1.9 -8.9 2.5 -1.6 9.0 7.9 9.9 13.9 14.8 2.9 4.8	-1.1 2.7 5.7 -2.8 4.8 7.9 4.2 5.2 5.2 4.4 2.5 -2.8	-2. -5. 0. 3. 3. 0. -1. 1. 8. -2. -1. -3. 6. 0.
1012 1013 1014 1015 1016 Percentage cha 1015 Jul Aug Sep Oct Nov Dec 1016 Jan Feb Mar	-2.6 -1.7 4.2 1.5 ange, latest month -0.8 -0.4 0.7 -0.5 -0.5 -1.1 0.3 1.5 -0.7	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y 5.0 -3.0 2.6 6.8 2.9 6.9 -5.4 -9.8	2.2 1.1 0.7 -0.3 ear ag: -0.8 -2.5 -0.8 -1.6 1.0 0.8 -2.4 -2.4 -2.6	-1.9 -8.9 2.5 -1.6 9.0 7.9 9.9 13.9 14.8 2.9 4.8 -2.9 -4.1	-1.1 2.7 5.7 -2.8 4.8 7.9 4.2 5.2 4.4 2.5 -2.8 -5.9 -5.9	-2. -5. 0. 3. 0. -1. 1. 8. -2. -1. -3. 6. 0. 14. -2.
1012 1013 1014 1015 1016 Percentage cha 1015 Jul Aug Sep Oct Nov Dec 1016 Jan Feb Mar Apr May Jun Jul	-2.6 -1.7 4.2 1.5 ange, latest month -0.8 -0.4 -0.4 -0.7 -0.5 -0.5 -1.1 0.3 1.5 -0.7 2.7 2.7 3.9 3.2 1.7	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y 5.0 -3.0 2.6 6.8 8 2.9 6.9 -5.4 -9.8 -4.8 -15.0 -9.0 -5.9	2.2 1.1 0.7 -0.3 ear ag(-0.8 -2.5 -0.8 -2.5 -0.8 -1.6 1.0 0.8 -2.4 -3.6 -2.6 -2.6 -2.5 1.9 1.0	-1.9 -8.9 2.5 -1.6 9.0 7.9 9.9 13.9 14.8 2.9 4.8 -2.9 -4.1 -0.3 8.4 10.2 -3.4	-1.1 2.7 5.7 -2.8 4.8 7.9 4.2 5.2 4.4 2.5 -2.8 -5.9 -5.5 -5.1 -4.4 -2.3	-2. -5. 0. 3. 0. -1. 1. 1. 8. -2. -1. -3. 6. 0. 0. 1. -2. -4. -3.
012 013 014 015 016 Percentage cha 015 Jul Aug Sep Oct Nov Dec 016 Jan Feb Mar Apr May Jun Jul Aug	-2.6 -1.7 4.2 1.5 ange, latest month -0.8 -0.4 0.7 -0.5 -0.5 -0.5 -1.1 0.3 1.5 -0.7 2.7 3.9 3.2 1.7 1.1	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y 5.0 -3.0 2.6 6.8 2.9 6.9 6.9 6.9 6.9 6.9 -5.4 -9.8 -4.8 -15.0 -9.0 -5.9 3.8	2.2 1.1 0.7 -0.3 ear ag: -0.8 -2.5 -0.8 -1.6 1.0 0.8 -2.4 -3.6 -2.6 -0.6 -0.6 -2.5 1.9 1.0 0.5	-1.9 -8.9 2.5 -1.6 9.0 7.9 9.9 13.9 14.8 2.9 4.8 -2.9 -4.1 -0.3 8.4 10.2 -3.4 -5.7	-1.1 2.7 5.7 -2.8 4.8 7.9 4.2 5.2 4.4 2.5 -2.8 -5.9 -5.5 -5.1 - -4.4 -2.3 -2.7	-2. -5. 0. 3. 0. -1. 1. 8. -2. -1. -3. 6. 0. 14. -2. 4. -3. -0.
012 013 014 015 016 ercentage cha 015 Jul Aug Sep Oct Nov Dec 016 Jan Feb Mar Apr May Jun Jul	-2.6 -1.7 4.2 1.5 ange, latest month -0.8 -0.4 -0.4 -0.7 -0.5 -0.5 -1.1 0.3 1.5 -0.7 2.7 2.7 3.9 3.2 1.7	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y 5.0 -3.0 2.6 6.8 8 2.9 6.9 -5.4 -9.8 -4.8 -15.0 -9.0 -5.9	2.2 1.1 0.7 -0.3 ear ag(-0.8 -2.5 -0.8 -2.5 -0.8 -1.6 1.0 0.8 -2.4 -3.6 -2.6 -2.6 -2.5 1.9 1.0	-1.9 -8.9 2.5 -1.6 9.0 7.9 9.9 13.9 14.8 2.9 4.8 -2.9 4.8 -2.9 -4.1 -0.3 8.4 10.2 -3.4 -5.7 -4.4	-1.1 2.7 5.7 -2.8 4.8 7.9 4.2 5.2 4.4 2.5 -2.8 -5.9 -5.5 -5.1 -4.4 -2.3	-2. -5. 0. 3. -1.1. 1.1 8. -2. -1. -3. 6. 0. 0. 14. -2. 4. 3. -3. 1.
012 013 014 015 016 Percentage cha 015 Jul Aug Sep Oct Nov Dec 016 Jan Feb Mar Apr May Jun Jul Aug Sep	-2.6 -1.7 4.2 1.5 ange, latest month -0.8 -0.4 0.7 -0.5 -0.5 -0.5 -1.1 0.3 1.5 -0.7 2.7 3.9 3.2 1.7 1.1 1.1	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y 5.0 -3.0 2.6 6.8 2.9 6.9 6.9 -5.4 -9.8 -4.8 -15.0 -9.0 -9.0 -5.9 3.8 -2.4	2.2 1.1 0.7 -0.3 ear ag: -0.8 -2.5 -0.8 -1.6 1.0 0.8 -2.4 -3.6 -2.6 -0.6 2.5 1.9 1.0 0.5 -1.2	-1.9 -8.9 2.5 -1.6 9.0 7.9 9.9 13.9 14.8 2.9 4.8 -2.9 -4.1 -0.3 8.4 10.2 -3.4 -5.7	-1.1 2.7 5.7 -2.8 4.8 7.9 4.2 5.2 4.4 2.5 -2.8 -5.5 -5.1 -4.4 -2.3 -2.7 -0.8	-2: -5. 0. 3. 0. -1. 1. 1. -2. -1. -3. 6. 0. 14. -2. -3. -3. -3. -3. -3. -3. -3. -0.
1012 1013 1014 1015 1016 1015 1016 1015 1016 1015 1017 1018	-2.6 -1.7 4.2 1.5 ange, latest month -0.8 -0.4 0.7 -0.5 -0.5 -1.1 0.3 1.5 -0.7 2.7 3.9 3.2 1.7 1.1 1.1 1.1 0.4 0.4 0.4	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y 5.0 -3.0 2.6 6.8 2.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 -5.4 -9.8 -4.8 -15.0 -9.0 -5.9 3.8 2.2.4 -5.9 3.8 -2.4 -5.2	2.2 1.1 0.7 -0.3 ear age -0.8 -2.5 -0.8 -2.5 -0.8 -1.6 1.0 0.8 -2.4 -3.6 -2.6 -2.6 -2.6 -2.6 -2.6 -2.5 1.9 1.0 0.5 -1.2 -0.4 -0.3 -2.5 -0.3 -2.5 -0.8 -2.5 -0.8 -1.6 -0.6 -2.5 -0.6 -2.5 -0.0 -2.5 -0.8 -2.5 -0.0 -2.5 -0.6 -2.6 -2.6 -2.6 -2.6 -2.6 -2.6 -2.6 -2.5 -0.9 -0.9 -0.9 -0.9 -0.2 -0.6 -0.6 -2.5 -0.9 -0.6 -0.6 -2.5 -0.9 -0.9 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.2	$\begin{array}{c} -1.9\\ -8.9\\ 2.5\\ -1.6\end{array}$ 9.0 7.9 9.9 13.9 14.8 2.9 4.8 -2.9 4.8 -2.9 4.1 0.2 -3.4 -5.7 -4.4 -5.7 -4.4 -7.3 -6.1	-1.1 2.7 5.7 -2.8 4.8 7.9 4.2 5.2 4.4 2.5 -2.8 -5.9 -5.5 -5.1 - -4.4 -2.3 -2.7 -0.8 -1.8 -2.9	-2. -5. 0. 3. 0. -1. 1. 1. 8. -2. -1. -3. 6. 0. 14. -2. 4. -3. -0. 1. -6. 12. 18.
1012 1013 1014 1015 1016 1015 1015 1015 1015 1015 1017	-2.6 -1.7 4.2 1.5 ange, latest month -0.8 -0.4 0.7 -0.5 -0.5 -0.5 -1.1 0.3 1.5 -0.7 2.7 3.9 3.2 1.7 1.1 1.1 1.1 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y 5.0 -3.0 2.6 6.8 2.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6	2.2 1.1 0.7 -0.3 ear age -0.8 -2.5 -0.8 -2.5 -0.8 -1.6 1.0 0.8 -2.4 -3.6 -2.6 -0.6 -2.6 -0.6 -2.5 1.9 1.0 0.5 -1.2 -0.8 -1.9 1.0 0.5 -1.2 -0.8 1.9 1.0 0.5 -1.2 -0.8 -1.9	-1.9 -8.9 2.5 -1.6 9.0 7.9 9.9 13.9 14.8 2.9 4.8 -2.9 -4.1 -0.3 8.4 10.2 -3.4 -5.7 -4.4 -5.7 -4.4 -5.7 -4.4 -5.7 -4.2 -3.2 -0.4	-1.1 2.7 5.7 -2.8 4.8 7.9 4.2 5.2 4.4 2.5 -2.8 -5.9 -5.5 -5.1 - -4.4 -2.3 -2.7 -0.8 -1.8 -2.9 0.6 3.4 1.9	-2. -5. 0. 3. 0. -1. 1. 8. -2. -1. -3. 6. 0. 14. -2. 4. -3. -0. 1. -6. 2. -1. -3. -0. 1. -2. -1. -3. -3. -0. -1. -3. -0. -1. -3. -3. -0. -1. -3. -3. -3. -3. -3. -3. -3. -3. -3. -3
1012 1013 1014 1015 1016 1015 1015 1015 1015 1017	-2.6 -1.7 4.2 1.5 ange, latest month -0.8 -0.4 0.7 -0.5 -0.5 -0.5 -1.1 0.3 1.5 -0.7 2.7 3.9 3.2 1.7 1.1 1.1 1.1 1.1 0.4 0.8 1.5 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y 5.0 -3.0 2.6 6.8 2.9 6.9 -5.4 -9.8 -4.8 -15.0 -9.0 -5.9 3.8 -2.4 -5.6 -3.2 0.4 -1.3 11.1 15.6	2.2 1.1 0.7 -0.3 Par ag: -0.8 -2.5 -0.8 -1.6 1.0 0.8 -2.4 -3.6 -2.6 -0.6 2.5 1.9 1.0 0.5 -1.2 -0.4 -0.8 1.9 1.0 0.5 -1.2 -0.4 -0.8 1.9 1.9 1.0 0.5 -1.2 -0.4 -0.8 1.9 -1.2 -0.4 -0.8 -1.9 -	-1.9 -8.9 2.5 -1.6 9.0 7.9 9.9 13.9 14.8 2.9 4.8 -2.9 4.8 -2.9 4.1 -0.3 8.4 10.2 -3.4 -5.7 -4.4 -7.3 -6.1 -4.2 -3.2 -0.4 12.6	-1.1 2.7 5.7 -2.8 4.8 7.9 4.2 5.2 4.4 2.5 -2.8 -5.5 -5.1 -4.4 2.3 -2.8 -5.5 -5.1 -4.4 2.3 -2.7 -0.8 -1.8 -2.9 0.6 3.4 1.9 4.0	-2. -5. 0. 3. 0. -1. 1. 8. -2. -1. -3. 6. 0. 0. 14. -2. 4. -3. -0. 14. -2. 4. -3. -0. 14. -2. -1. -3. -1. -3. -1. -3. -1. -3. -1. -3. -1. -3. -2. -1. -1. -3. -3. -1. -3. -1. -3. -3. -1. -3. -3. -2. -1. -3. -3. -3. -3. -3. -3. -3. -3. -3. -3
012 013 014 015 016 Percentage cha 015 Jul Aug Sep Oct Nov Dec 016 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 017 Jan Feb	-2.6 -1.7 4.2 1.5 ange, latest month -0.8 -0.4 0.7 -0.5 -0.5 -0.5 -1.1 0.3 1.5 -0.7 2.7 3.9 3.2 1.7 1.1 1.1 1.1 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y 5.0 -3.0 2.6 6.8 2.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6	2.2 1.1 0.7 -0.3 ear age -0.8 -2.5 -0.8 -2.5 -0.8 -1.6 1.0 0.8 -2.4 -3.6 -2.6 -0.6 -2.6 -0.6 -2.5 1.9 1.0 0.5 -1.2 -0.8 -1.9 1.0 0.5 -1.2 -0.8 1.9 1.0 0.5 -1.2 -0.8 -1.9	-1.9 -8.9 2.5 -1.6 9.0 7.9 9.9 13.9 14.8 2.9 4.8 -2.9 -4.1 -0.3 8.4 10.2 -3.4 -5.7 -4.4 -5.7 -4.4 -5.7 -4.4 -5.7 -4.2 -3.2 -0.4	-1.1 2.7 5.7 -2.8 4.8 7.9 4.2 5.2 4.4 2.5 -2.8 -5.9 -5.5 -5.1 - -4.4 -2.3 -2.7 -0.8 -1.8 -2.9 0.6 3.4 1.9	-2. -5. 0. 3. 0. -1. 1. 8. -2. -1. -3. 6. 0. 14. -2. 4. -3. -0. 1. -6. 2. -1. -3. -0. 1. -2. -1. -3. -3. -0. -1. -3. -0. -1. -3. -3. -0. -1. -3. -3. -3. -3. -3. -3. -3. -3. -3. -3
012 013 014 015 016 ercentage cha 015 Jul Aug Sep Oct Nov Dec 016 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 017 Jul Aug Sep Oct Nov Dec	-2.6 -1.7 4.2 1.5 ange, latest month -0.8 -0.4 -0.4 -0.7 -0.5 -0.5 -1.1 0.3 1.5 -0.5 -1.1 0.3 1.5 -0.7 2.7 3.9 3.2 1.7 1.1 1.1 1.1 1.1 0.4 0.8 1.5 0.4 0.4 0.4 0.4 0.8 1.5 0.4 0.4 0.4 0.4 0.7 2.7 2.7 2.7 2.7 2.7 3.9 3.2 2.2 1.7 1.5 0.5 1.7 1.5 0.5 0.5 0.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a y 5.0 -3.0 2.6 6.8 2.9 6.9 -5.4 -9.8 -4.8 -15.0 -9.0 -5.9 3.8 -2.4 -5.9 3.8 -2.4 -5.6 -3.2 0.4 -1.3 11.1 15.6 6.8	2.2 1.1 0.7 -0.3 ear age -0.8 -2.5 -0.8 -1.6 1.0 0.8 -2.4 -3.6 -2.6 -2.6 -0.6 2.5 1.9 1.0 0.5 -1.2 -0.4 -0.8 1.9 2.9 3.4 4.3 1.3	$\begin{array}{c} -1.9\\ -8.9\\ 2.5\\ -1.6\end{array}$ 9.0 7.9 9.0 13.9 14.8 2.9 4.8 -2.9 4.8 -2.9 4.8 -2.9 -4.1 -0.3 8.4 10.2 -3.4 -5.7 -4.4 -7.3 -6.1 -4.2 -3.2 -0.4 12.6 5.8	$\begin{array}{c} -1.1\\ 2.7\\ 5.7\\ -2.8\end{array}$ $\begin{array}{c} 4.8\\ 7.9\\ 4.2\\ 5.2\\ 4.4\\ 2.5\\ -2.8\\ -5.9\\ -5.5\\ -5.1\\ -4.4\\ -2.3\\ -2.7\\ -0.6\\ -1.8\\ -2.9\\ 0.6\\ 3.4\\ 1.9\\ -2.9\\ 0.6\\ 3.4\\ 1.9\\ 4.0\\ 3.7\end{array}$	-2. -5. 0. 3. 0. -1. 1. 8. -2. -1. -3. 6. 0. 14. -2. 4. -3. -0. 11. 12. 18. 7. -6. -6. -6. -11.
012 013 014 015 016 ercentage cha 015 Jul Aug Sep Oct Nov Dec 016 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 017 Jan Feb Nov Dec	-2.6 -1.7 4.2 1.5 ange, latest month -0.8 -0.4 -0.4 -0.7 -0.5 -0.5 -1.1 0.3 1.5 -0.7 2.7 2.7 3.9 3.2 1.7 1.1 1.1 1.1 0.4 0.8 1.5 -0.5 -0.5 -0.5 -0.5 -0.5 -1.1 0.3 1.5 -0.7 2.7 2.9 3.2 1.7 1.1 1.1 0.3 1.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0	-3.4 -4.4 -2.6 -0.9 -4.4 on same month a yu 5.0 -3.0 2.6 6.8 2.9 6.9 6.9 -5.4 -9.8 -4.8 -15.0 -9.0 -5.9 3.8 -2.4 -5.9 3.8 -2.4 -5.6 -3.2 0.4 -1.3 11.1 15.6 6.8 8 16.3 12.2 14.3	2.2 1.1 0.7 -0.3 ear age -0.8 -2.5 -0.8 -2.5 -0.8 -2.5 -0.8 -2.6 -2.5 -1.9 -	$\begin{array}{c} -1.9\\ -8.9\\ 2.5\\ -1.6\end{array}$ 9.0 7.9 9.9 13.9 14.8 2.9 4.8 2.9 4.8 2.9 4.1 0.3 8.4 10.2 -3.4 -5.7 -4.4 12.6 5.8 2.7 2.3 -6.9	$\begin{array}{c} -1.1\\ 2.7\\ 5.7\\ -2.8\\ \end{array}$ $\begin{array}{c} 4.8\\ 7.9\\ 4.2\\ 5.2\\ 4.4\\ 2.5\\ -2.8\\ -5.9\\ -5.5\\ -5.1\\ -2.8\\ -5.9\\ -5.5\\ -5.1\\ -4.4\\ -2.3\\ -2.7\\ -0.8\\ -1.8\\ -2.9\\ 0.6\\ \end{array}$	-2. -5. 0. 3. 0. -1. 1. 1. -3. 6. 0. 0. 14. -2. 4. -3. -0. 14. -2. 4. -3. -0. 14. -2. 4. -3. -0. 14. -6. -6. -11. -6. -6. -6. -1. -1. -1. -2. -1. -1. -2. -1. -1. -2. -1. -2. -2. -1. -2. -2. -1. -2. -2. -2. -2. -2. -2. -2. -3. -3. -3. -3. -3. -3. -3. -3. -3. -3

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

1

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

Seasonally adjusted 2015 = 100 Rubber and Machinery and plastic products and non-metallic Basic metals and metal Computer, electronic and equipment not elsewhere Other manufacturing Electrical Transport mineral products products optical products classified and repair equipment equipment СН CI CJ СМ Section CG СК CL 87.6 21.7 44.0 67.4 58.5 33.0 102.9 Latest weight K23B K23G K23N K23P K23R K23T K23Z 100.4 108.0 103.0 84.9 91.4 91.2 95.4 2012 93.5 101.1 124.9 2013 90.9 98.2 98.3 110 1 2014 102.9 99.8 102.2 99.7 114.8 94.5 100.7 2015 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2016 102.2 100.0 100.7 104.7 98.6 95.1 103.6 2016 Q3 101.7 98.1 99.8 92.0 101.2 103.8 105.1 Q4 102.2 98.6 103.2 97.0 102.9 104.6 105.0 2017 Q1 100.9 97.2 102.3 97.6 107.1 108.4 108.1 Q2 99.3 97.3 103.4 99.0 105.0 107.1 106.4 Q3 99.4 97.1 100.2 110.3 105.7 108.2 111.1 2016 Jul 99.5 101.7 98.8 91.6 100.2 102.7 105.3 101.3 102.2 97.6 97.8 100.6 99.4 91.2 93.2 102.2 101.2 104.9 103.7 103.5 106.6 Aug Sep Oct 101.8 96.3 100.7 95.0 99.9 103.2 105.0 Νον 102.9 97 2 100.6 98.6 102.8 104 8 103.0 102.2 108.2 97.6 105.9 107.0 Dec 101.8 105.9 108.7 107.6 101.9 97.9 97.5 105.7 2017 104.2 Jan Feb 100.2 96.9 103.7 99.7 108.8 108.8 108.6 Mar 100.5 96 7 99.1 95.5 106.8 107 6 108.0 99.6 96.6 100.2 98.9 105.6 109.4 104.3 Apr May 100.3 96.9 103.0 107.1 96.8 101.1 107.5 107.4 105.1 Jun 98.1 98.3 102.1 104.4 109.9 107.0 ^T Jul 99.3 95.2 102.0 1 102.5 111.9 109.3 97.7 99.3 106.0 97.7 107.0 Aug 109.2 111.1 Sep 99.5 98.3 109.1 100.4 110.5 109.7 113.1 Percentage change, latest year on previous year -6.3 4.6 5.5 -0.7 -4.2 -2.8 2.9 -2.8 0.5 -2.1 4.4 7.6 2012 10.9 1.1 -11.8 2013 -4.7 2014 13.2 1.6 3.9 -3.2 3.4 4.3 58 2015 -2.8 02 -2.1 0.3 -12.9 2.2 2016 4.7 -4.9 0.7 3.6 -1.4 Percentage change, latest month on same month a year ago -3.5 -6.2 2015 Jul -0.4 -1.1 -2.7 -16.5 1.6 -3.2 -8.0 -2.5 -0.3 2.2 -12.2 11.5 Aug Sep -3.7 -0.8 -6.5 2.4 -13.1 7.4 -0.4 Oct -4.2 -0.6 -4.2 5.7 -15.2 8.8 -8.0 Nov -3.8 -5.1 -6.0 -1.4 -13.6 4.8 -3.9 Dec -4.6 -3.2 -8.8 -3.6 -11.8 4.6 0.5 2016 Jan Feb 0.2 -1.5 -0.9 -1.1 -4.8 4.5 3.0 -0.3 -0.7 -4.0 -2.7 -2.8 -6.3 -0.3 15 Mar -3.2 -3.6 -5.9 -1.8 4.1 0.4 Apr 4.0 -5.0 -0.9 -5.3 -1.4 7.5 0.4 May 4.0 2.7 1.0 1.5 -7.4 1.5 5.5 3.7 -4.8 -5.2 -6.6 -0.5 5.1 6.7 Jun 5.7 7.5 Jul 1.7 1.1 -0.6 -6.9 2.8 3.2 2.7 -1.0 -2.2 0.4 -0.4 2.3 1.7 Aug -7.4 3.1 7.8 -8.4 Sep 1.0 5.9 2.3 -2.0 2.3 -0.3 Oct -5.5 3.2 11.0 3.9 2.3 3.1 7.4 Nov 0.2 -0.5 5.8 3.2 3.0 5.2 Dec -0.5 6.8 4.4 6.7 0.7 -2.3 4.6 8.2 7.4 3.0 2017 -0.2 Jan Feb -1.1 -2.8 8.0 2.1 12.5 10.8 5.9 -0.4 -4.5 2.5 1.0 -0.1 2.8 Mar -2.3 6.0 5.8 4.0 -1.1 2.6 3.4 0.8 Apr May -2.9 -1.5 3.0 4.0 7.8 1.6 0.8 Jun -4.9 0.3 7.5 7.3 3.7 -0.9 2.0 Jul -2.4 -2.0 -3.7 0.1 ^т 2.5 [†] 5.4 11.9 6.8 † 9.0 † 3.8 ¹ 4.8 7.4 Aug 7.1 4.1 -2.6 0.6 9.7 7.7 9.2 5.8 6.0 Sep

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

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

	F	T . (1)		.	C1 · · ·	Basic
	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	pharmaceutica products and preparations
ection	CA	CB	CC	CD	CE	CF
	114.5	26.8	50.3	13.0	49.5	51.1
atest weight	K22B	K22P	K22T	K22X	K22Z	K239
ercentage cha	ange, latest month	on previous month				
015 Jul	0.9	-1.2	-0.1	14.2	0.8	3.7
Aug	0.9	-7.9	0.5	-0.3	-0.1	-0.9
Sep	0.7	6.4	1.3	3.0	0.5	1.1
Oct	-0.5	1.5	-0.8	5.2	-0.7	4.1
Nov Dec	-0.1 0.5	-2.7 -0.5	1.9 -2.0	- -6.0	0.9 -3.2	-7.2 2.1
016 Jan Feb	0.2	2.8	0.7	-2.1	-0.2	-3.5
Heb Mar	0.8 -2.4	-7.3 -2.1	-2.2 0.7	-3.6 -9.5	-0.9 -0.5	7.5 0.5
Apr	-2.4	4.8	1.6	-9.5	-0.5	7.7
May	1.3	-5.6	1.7	8.7	-0.1	-8.1
Jun	-0.9	3.6	-1.3	0.4	-1.9	-1.3
Jul	-0.6	2.2	-0.9	0.1	3.0	-4.7
Aug	0.2	1.6	0.1	-2.7	-0.5	2.4
Sep	0.6	0.1	-0.5	4.4	2.5	3.5
Oct	-1.1	-1.9	-	2.0	-1.7	-3.8
Nov Dec	0.3 1.2	-0.2 3.2	1.6 0.6	1.3 -4.1	-0.3 0.3	10.8 8.0
017 1						
2017 Jan Feb	-1.0 0.5	1.0 4.3	1.7 -1.8	-1.1 -0.9	2.6 -2.4	-12.8 -6.0
Mar	0.3	1.9	1.6	2.3	1.6	-0.1
Apr	0.8	-3.2	-1.3	-4.2	0.7	2.2
May	-1.5	2.8	0.1	5.5	-1.2	1.7
Jun	-0.8	-0.1	-0.8	-	1.8	4.4
Jul	1.4	4.1 ^T	0.4	-8.9	-1.0 ^T	
Aug	-0.5		1.9	¹ 3.8 4.7	1.4	3.4
Sep	-1.1	-1.5	-0.7	4.7	1.2	0.5
Percentage cha	ange, latest 3 mont	ths on same 3 month	ns a year ago			
2015 Jul	-0.3	-0.5	-0.3	-0.8	4.8	2.6
Aug	-0.6	1.7	-1.2	4.4	6.4	-0.4
Sep	-0.2	1.6	-1.4	8.9	5.6	0.3
Oct Nov	-0.1 -0.1	2.1 4.1	-1.6 -0.5	10.6 12.9	5.7 4.6	3.1 2.5
Dec	-0.7	5.5	0.1	10.4	4.0	1.5
016 Jan	-0.4	5.6	-0.2	7.4	1.3	-2.5
Feb	-0.4	2.6	-0.2	1.6	-2.2	-2.0
Mar	0.4	-3.0	-2.9	-0.7	-4.7	1.1
Apr	1.2	-6.7	-2.3	-2.5	-5.5	7.2
May Jun	2.0 3.3	-10.0 -9.7	-0.2 1.3	1.3 6.1	-3.6 -3.2	4.1 5.4
Juli	3.3	-9.7	1.5	0.1	-3.2	5.4
Jul	2.9	-10.0	1.8	4.7	-2.3	-0.7
Aug	2.0	-3.9	1.2	-	-3.1	-0.1
Sep Oct	1.3 0.9	-1.6 -1.5	0.1 -0.4	-4.5 -5.8	-1.9 -1.8	-1.0 -1.8
Nov	0.9	-3.8	-0.4 -0.8	-5.9	-1.8	-1.6
Dec	0.9	-2.9	0.2	-5.9	-1.4	8.0
017 Jan	0.9	-1.4	1.3	-4.5	0.3	12.8
Feb	0.6	3.2	2.7	-2.6	2.0	6.5
Mar	1.1	8.2	3.5	2.6	3.1	-2.1
Apr	1.5	11.1	3.0	5.8	3.2	-8.3
May	1.2 -0.1	12.8 11.7	1.7 0.4	6.9 3.5	3.4 4.2	-7.0 -3.7
Jun				2.9		0
Jun				*	•	
Jun Jul Aug	-0.4	14.2 [†] 11.2	0.5 1.8	-0.7 [†] -1.8	3.7 [†] 4.2	0.5 1.6

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

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

	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
ection	CG	СН	CI	CJ	СК	CL	CM
atest weight	58.5	87.6	33.0	21.7	44.0	102.9	67.4
0	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
ercentage ch	hange, latest month o	on previous mon	h				
015 Jul	-0.4	-5.0	-4.7	-2.6	-1.5	-3.0	-3.0
Aug	-1.9	0.9	0.1	0.2	1.6	5.5	-2.1
Sep Oct	1.6 -0.1	1.4 -1.8	-0.3 -1.4	3.3 -1.2	1.1 -3.4	-0.5 1.5	4.9 -6.1
Nov	-0.5	-1.2	-0.9	-1.4	0.3	-1.9	5.7
Dec	0.5	0.1	3.3	-1.0	2.2	-0.1	0.4
016 Jan	1.8	3.2	-1.2	-0.4	-1.5	-0.2	4.1
Feb	-	-0.6	-3.7	0.1	-1.0	-3.0	-1.8
Mar	-0.4	-0.6	0.7	-2.2	4.2	3.5	1.2
Apr	3.5	-1.4	2.6	0.6	2.1	4.0	-0.3
May	-1.0	0.8	0.9	-3.2	-3.1	-0.1	3.0
Jun	-0.2	-0.4	-0.4	1.2	-1.3	-0.4	3.0
Jul	-1.4	0.8	-0.1	-2.9	1.8	-2.5	-2.2
Aug	-0.4	-1.3	1.1	-0.4	1.9	2.1	-1.8
Sep	1.0	0.2	-1.2	2.2	-0.9	-1.1	3.
Oct Nov	-0.5 1.1	-1.5 1.0	1.3 -0.1	1.9 3.7	-1.2 2.8	-0.5 1.6	-1.6
Dec	-1.1	5.1	7.6	-1.0	2.8 3.1	1.0	-1.9 4.0
17 Jan	0.2	-4.2	-3.7	-0.1	-0.2	2.7	0.5
Feb	-1.7	-4.2	-0.5	2.3	2.9	0.1	1.0
Mar	0.3	-0.2	-4.5	-4.2	-1.8	-1.1	-0.6
Apr	-0.8	-0.1	1.1	3.5	-1.2	1.7	-3.4
May	0.7	0.3	2.8	-2.1	1.8	-1.8	0.8
Jun	-2.2	1.4	4.0	4.5	-5.0	-2.8	4.6
Jul	1.2	-3.2	-4.8 ^T	1.3	т 4.8 ^т	7.2	
Aug Sep	- 0.3	2.6 0.7	[†] 3.9 2.9	-4.6 2.7	- 3.2	-2.4 0.5	1.6 1.8
	hange, latest 3 montl				-		
-	-2.9	0.9	1.7	-1.0	-15.7	4.4	
015 Jul Aug	-2.9 -3.9	0.9	1.7	-1.0	-15.7 -14.6	4.4 5.3	-3.4
Sep	-4.5	-1.2	-2.7	0.6	-14.0	6.8	-3.9
Oct	-4.7	-1.3	-3.8	3.4	-13.5	9.2	-5.5
Nov	-3.9	-2.2	-5.6	2.2	-14.0	7.0	-4.1
Dec	-4.2	-3.0	-6.4	0.1	-13.5	6.0	-3.
16 Jan	-2.8	-3.3	-5.3	-2.0	-10.2	4.6	-0.
Feb	-1.6	-2.9	-4.3	-2.5	-7.8	2.9	1.0
Mar	-0.3	-2.9	-2.4	-3.3	-4.3	2.7	1.0
Apr	1.0	-4.1	-2.4	-4.7	-3.2	3.8	0.
May	2.4 3.6	-2.5 -3.0	-1.0 -1.6	-6.2 -6.4	-0.6 -0.2	5.7 6.0	1. 3.
Jun				-6.9			
Jun	0.0	1 ^	1 5		1.2	5.4	5.9
Jul	2.8 2.6	-1.0 -1.6	-1.5 -1.9			4 3	7 '
Jul Aug	2.6	-1.6	-1.9	-6.9	1.8	4.3 3.2	
Jul Aug Sep		-1.6 -0.7	-1.9 -0.2	-6.9 -7.5	1.8 2.3	3.2	7.
Jul Aug	2.6 2.5	-1.6	-1.9	-6.9	1.8 2.3 2.4		7.: 7. 8.: 6.0
Jul Aug Sep Oct	2.6 2.5 2.7	-1.6 -0.7 -1.8	-1.9 -0.2 0.8	-6.9 -7.5 -7.1	1.8 2.3	3.2 1.2	7. 8. 6.
Jul Aug Sep Oct Nov Dec 117 Jan	2.6 2.5 2.7 2.9 2.8 2.3	-1.6 -0.7 -1.8 -1.4	-1.9 -0.2 0.8 1.6 4.3 5.0	-6.9 -7.5 -7.1 -4.8 -2.2 -0.4	1.8 2.3 2.4 3.3 5.3 6.9	3.2 1.2 1.5 2.4 5.0	7. 8.1 6.1 6.4
Jul Aug Sep Oct Nov Dec 117 Jan Feb	2.6 2.5 2.7 2.9 2.8 2.3 0.6	-1.6 -0.7 -1.8 -1.4 1.1	-1.9 -0.2 0.8 1.6 4.3 5.0 6.7	-6.9 -7.5 -7.1 -4.8 -2.2 -0.4 0.5	1.8 2.3 2.4 3.3 5.3 6.9 9.1	3.2 1.2 1.5 2.4 5.0 7.5	7. 8. 6. 6. 4. 5.
Jul Aug Sep Oct Nov Dec 17 Jan Feb Mar	2.6 2.5 2.7 2.9 2.8 2.3 0.6 -0.3	-1.6 -0.7 -1.8 -1.4 1.1 1.0 -2.5	-1.9 -0.2 0.8 1.6 4.3 5.0 6.7 5.0	-6.9 -7.5 -7.1 -4.8 -2.2 -0.4 0.5 0.6	1.8 2.3 2.4 3.3 5.3 6.9 9.1 8.8	3.2 1.2 1.5 2.4 5.0 7.5 7.9	7. 8. 6. 4. 5. 4.
Jul Aug Oct Nov Dec 117 Jan Feb Mar Apr	2.6 2.5 2.7 2.9 2.8 2.3 0.6 -0.3 -2.0	-1.6 -0.7 -1.8 -1.4 1.1 1.0 -2.5 -2.1	-1.9 -0.2 0.8 1.6 4.3 5.0 6.7 5.0 3.8	-6.9 -7.5 -7.1 -4.8 -2.2 -0.4 0.5 0.6 1.6	1.8 2.3 2.4 3.3 5.3 6.9 9.1 8.8 6.9	3.2 1.2 1.5 2.4 5.0 7.5 7.9 6.6	7. 8. 6. 4. 5. 4. 3.
Jul Aug Sep Oct Nov Dec D17 Jan Feb Mar Apr May	2.6 2.5 2.7 2.9 2.8 2.3 0.6 -0.3 -2.0 -2.6	-1.6 -0.7 -1.8 -1.4 1.1 1.0 -2.5 -2.1 -1.7	-1.9 -0.2 0.8 1.6 4.3 5.0 6.7 5.0 3.8 2.2	-6.9 -7.5 -7.1 -4.8 -2.2 -0.4 0.5 0.6 1.6 2.2	1.8 2.3 2.4 3.3 5.3 6.9 9.1 8.8 6.9 5.4	3.2 1.2 1.5 2.4 5.0 7.5 7.9 6.6 3.6	7. 8. 6. 4. 4. 3. 3.
Jul Aug Oct Nov Dec 117 Jan Feb Mar Apr May Jun	2.6 2.5 2.7 2.9 2.8 2.3 0.6 -0.3 -2.0	-1.6 -0.7 -1.8 -1.4 1.1 1.0 -2.5 -2.1	-1.9 -0.2 0.8 1.6 4.3 5.0 6.7 5.0 3.8 2.2 3.8	-6.9 -7.5 -7.1 -4.8 -2.2 -0.4 0.5 0.6 1.6 2.2 4.7	1.8 2.3 2.4 3.3 5.3 6.9 9.1 8.8 6.9 5.4 4.7	3.2 1.2 1.5 2.4 5.0 7.5 7.9 6.6 3.6 1.4	7. 8. 6. 4. 5. 4. 3. 1.
Jul Aug Sep Oct Nov Dec I17 Jan Feb Mar Apr May	2.6 2.5 2.7 2.9 2.8 2.3 0.6 -0.3 -2.0 -2.6	-1.6 -0.7 -1.8 -1.4 1.1 1.0 -2.5 -2.1 -1.7	-1.9 -0.2 0.8 1.6 4.3 5.0 6.7 5.0 3.8 2.2	-6.9 -7.5 -7.1 -4.8 -2.2 -0.4 0.5 0.6 1.6 2.2	1.8 2.3 2.4 3.3 5.3 6.9 9.1 8.8 6.9 5.4 4.7	3.2 1.2 1.5 2.4 5.0 7.5 7.9 6.6 3.6	7. 8.3 6.1 4.3 5. 4.3 3.3 1.1

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

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

	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutica products and preparations
Section	CA	СВ	CC	CD	CE	CF
_atest weight	114.5	26.8	50.3	13.0	49.5	51.1
0	K22B	K22P	K22T	K22X	K22Z	K239
Percentage cha	ange, latest 3 mont	hs on previous 3 m	onths			
2015 Jul	-0.7	3.5	-2.3	-0.6	-3.2	2.0
Aug	0.3	-3.2	-1.7	7.2	-0.3	-2.7
Sep	1.6	-4.8	-0.2	14.1	0.8	0.5
Oct	1.6	-5.3	0.9	12.4	1.4	0.9
Nov	1.2	0.3	1.7	11.0	0.5	2.0
Dec	0.3	0.8	0.8	5.1	-0.9	0.2
016 Jan	0.2	0.9	0.7	-0.4	-1.7	-4.2
Feb	0.6	-2.4	-1.3	-6.9	-3.3	-1.5
Mar	0.2	-4.1	-1.3	-11.2	-2.8	0.4
Apr	0.1	-5.6	-1.5	-12.3	-2.1	8.8
May	-0.2	-4.9	1.0	-8.6	-0.5	6.6
Jun	1.1	-1.9	2.0	-0.3	-0.3	4.3
Jul	1.0	-0.2	1.8	6.7	0.1	-5.6
Aug	0.4	3.3	-0.3	5.8	0.2	-6.6
Sep	-0.3	3.7	-1.4	2.8	2.2	-5.6
Oct	-0.4	3.6	-1.3	1.1	1.9	-0.3
Nov	-0.1	0.5	-0.2	4.4	1.9	4.5
Dec	-0.1	-0.4	0.9	3.5	-0.3	9.4
2017 Jan	0.2	1.1	2.4	0.9	0.5	10.1
Feb	0.5	4.7	2.2	-3.6	0.5	2.4
Mar	0.4	6.8	1.9	-3.2	1.6	-9.1
Apr	0.7	6.4	0.1	-2.9	0.6	-11.5
May	0.3	3.9	0.1	0.3	0.8	-6.9
Jun	-0.1	1.2	-1.1	0.6	0.7	2.7
Jul	-0.9	2.6 ^T	-0.6	0.2	0.6 ^T	3.4
Aug	-0.8		-0.3	т -2.8	1.0	2.0
Sep	-0.4	1.2	1.0	-3.5	1.1	-2.2

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

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

	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repai
Section	CG	СН	CI	CJ	СК	CL	CN
atest weight	58.5	87.6	33.0	21.7	44.0	102.9	67.4
Ū	K23B	K23G	K23N	K23P	K23R	K23T	K232
Percentage c	hange, latest 3 mont	hs on previous 3	months				
2015 Jul	-1.2	-3.5	1.6	-1.3	-5.0	1.0	-2.6
Aug	-0.9	-1.1	2.2	-2.0	-3.2	1.2	-4.0
Sep	-0.8	-2.3	-1.2	-1.5	-1.6	1.0	-3.3
Oct	-0.8	-0.4	-1.7	0.3	0.4	3.5	-2.8
Nov	-0.1	-1.3	-3.1	1.2	-0.5	2.4	0.1
Dec	0.1	-1.3	-1.1	-0.3	-1.2	1.6	0.1
2016 Jan	0.9	-0.8	-0.2	-2.0	-0.7	-1.3	4.
Feb	1.3	0.6	0.2	-2.6	-0.2	-2.0	4.1
Mar	1.8	2.2	-1.6	-2.2	0.7	-1.7	5.5
Apr	2.2	0.7	-2.1	-1.8	2.2	0.5	1.1
May	2.1	-0.6	-0.2	-2.9	3.3	4.1	1.4
Jun	2.4	-1.6	2.2	-2.5	2.0	5.2	1.
Jul	0.5	-0.4	2.5	-3.7	-0.7	2.6	2.4
Aug	-0.8	-0.2	1.3	-2.8	-0.8	-0.1	1.5
Sep	-1.8	-	0.2	-2.7	0.8	-1.7	
Oct	-0.9	-1.2	0.5	0.2	1.6	-0.6	-0.7
Nov	0.3	-1.1	0.4	3.5	1.0	-0.4	-0.6
Dec	0.4	0.5	3.4	5.5	1.7	0.8	-0.2
2017 Jan	0.5	1.9	4.1	5.1	3.7	2.4	0.8
Feb	-1.0	1.9	5.1	2.8	5.4	3.7	2.8
Mar	-1.3	-1.4	-0.8	0.6	4.1	3.6	2.9
Apr	-2.1	-2.4	-3.2	0.2	2.2	2.0	1.1
May	-1.1	-2.2	-4.4	-1.2	-0.2	0.3	-1.8
Jun	-1.5	0.1	1.1	1.4	-1.9	-1.2	-1.5
Jul	-0.9	0.1	3.0 [†]	2.1		-0.6	
Aug	-1.3	0.3		3.5	-1.2	0.3	4.0
Sep	-	-0.2	2.2	1.2	3.0	3.0	4.4

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



Revisions to Output of the Production Industries, September 2017

Page 1 Output by Broad industry groups and Main industrial groupings Percentage change, latest year on previous year Percentage change, latest month on same month a year ago Percentage change, latest month on previous month Percentage change, latest 3 months on same 3 months a year ago Page 2 Percentage change, latest 3 months on previous 3 months Page 3 Output by Manufacturing sub-sectors part 1 Page 4 Percentage change, latest year on previous year Percentage change, latest month on same month a year ago Page 5 Output by Manufacturing sub-sectors part 2 Percentage change, latest year on previous year Percentage change, latest month on same month a year ago Percentage change, latest month on previous month part 1 Percentage change, latest 3 months on same 3 months a year ago Page 6 Percentage change, latest month on previous month part 2 Page 7 Percentage change, latest 3 months on same 3 months a year ago Page 8 Percentage change, latest 3 months on previous 3 months part 1

Page 9 Percentage change, latest 3 months on previous 3 months part 2

Enquiries

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

	Broad industry groups						Seasonally adjusted 2015 = 100 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	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight	1 000.0	87.1	720.5	120.3	72.1	65.1	49.3	204.4	240.5	267.9	219.9
Latest weight	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K241
0010											
2012 2013	-		-	-	-	-		-	-	-	
2014	-		-	-	-	-		-	-	-	
2015 2016	-	-	-	-	-	-	-	-	-	-	
2016 Q2		-	-		-	-	-	-	-	-	
Q3 Q4	-	-	-	-	-	-	-	-	-	-	
Q4	-	-	-	-	-	-	-	-	-	-	
2017 Q1	-	-	-	-	-	-	-	-	-	-	
Q2	-	-	-	-	-	-	-	-	-	-	
2016 Jun	-	-	-	-	-	-	-	-	-	-	
Jul	-	-	-	-	-	-	-	-	-	-	
Aug Sep	-	-		-	-	1	-	-	-	-	
Oct	-	-	-	-	-	-	-	-		-	
Nov Dec	-	-	-	-	-		-		-	-	
2017 Jan			-		-	-				-	
Feb	-		-	-	-	-		-	-	-	
Mar Apr	-		-	-	-	-		-	-	-	
May	-	-	-	-	-	-	-	-	-	-	
Jun	-	-		-	-	-	-	-	-	-	
Jul Aug	- 0.2	0.3 1.6	-	0.1 0.2	- 0.2	0.3 2.1	-0.4 -0.2	0.1 -0.2	0.1 0.3	-0.1	0.2 0.7
Percentage cha	nge, latest year o	on previous ye	ar								
2012	-	-	-	-	-	-	-	-	-	-	
2013 2014	-		-	-	-	-		-	-	-	
2015 2016	-	-	-	-	-	-	-	-	-	-	
	- nge, latest montl	h on same mo	nth a year ago			-	-	-	-	-	
2015 Jun	-	-		-	-	-	-		-	-	
Jul	-				-	-		-		-	-
Aug	-		-	-	-	-		-	-	-	
Sep Oct	-		-		-	-		-	-		
Nov	-		-	-	-	-		-	-	-	
Dec	-	-	-	-	-	-	-	-	-	-	
2016 Jan	-	-	-	-	-	-	-	-	-	-	
Feb Mar	-	-	-	-	-	-	-	-	-	-	
Apr	-	-	-	-	-	-	-	-	-	-	
May Jun	-		-	-	-			-		-	
Jul Aug	-		-	-	-	-		-	-		
Sep	-		-	-	-			-		-	
Oct Nov	-	-	-	-	-		-	-		-	
Dec	-	-	-	-	-	-	-	-	-	-	-
2017 Jan		-	-	-	-	-	-	-	-	-	
Feb Mar	-		-	-		1	-			-	
Apr	-	-	-	-	-	-	-	-	-	-	-
May Jun	-	-		-		-	-		-		-
Jul	0.1	0.2		0.1	0.1	0.2	-0.4		0.1	-0.1	0.2
Aug	0.2	1.6	-	0.1	0.1	2.0	-0.2	-0.3	0.3	0.1	0.6

1 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 added¹

		Broad industry groups						Seasonally adjusted 2015 = 100 Main industrial groupings				
			Broad Inc	ustry groups	Materia and a			IVia	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	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG	
Latest weight	1 000.0	87.1	720.5	120.3	72.1	65.1	49.3	204.4	240.5	267.9	219.9	
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T	
Percentage cha	nge, latest mon	th on previous	month									
2015 Jun		-		-	-	-	-	-	-		-	
Jul	-	-	-	-			-		-	-		
Aug Sep	-		-	-	-	-		-		-		
Oct	-		-	-	-	-		-	-	-		
Nov	-	-	-	-	-	-	-	-	-	-	-	
Dec	-	-	-	-	-	-	-	-	-	-	-	
2016 Jan	-	-	-	-	-	-	-	-	-	-		
Feb Mar	-	-	-		-	-	-	-	-	-		
Apr	-	-	-	-	-	-	-	-	-	-		
May Jun	-	-	-	-	-	-	-	-	-	-	-	
	-		-	-	-	-		-	-	-		
Jul	-	-	-	-	-	-	-	-	-	-	-	
Aug Sep	-	-	-	-	-	-	-	-	-	-		
Oct	-	-	-	-	-	-	-	-	-	-		
Nov	-	-	-	-	-	-	-	-	-	-	-	
Dec	-	-	-	-	-	-	-	-	-	-		
2017 Jan	-	-	-	-	-	-	-	-	-	-	-	
Feb Mar	-	-	-		-	-	-	-		-	-	
Apr	-	-	-		-	-	-	-		-	-	
May	-	-	-	-	-	-	-	-	-	-	-	
Jun	-	-	-	-	-	-	-	-	-	-	-	
Jul Aug	0.1 0.1	0.3 1.4	-	0.1 0.1	- 0.1	0.3 1.7	-0.4 0.2	-0.3	0.1 0.1	-0.1 0.1	0.1 0.5	
Percentage cha	nge, latest 3 mo	nths on same	3 months a yea	r ago								
2015 Jun	-	-	-	-	-	-	-	-	-	-	-	
Jul												
Aug	-	-	-	-	-	-	-	-	-	-		
Sep	-	-	-	-	-	-	-	-	-	-	-	
Oct Nov	-	-	-	-	-	-	-	-	-	-		
Dec	-	-	-	-	-	-	-	-	-	-	-	
2016 Jan				-		-	-	-	-			
Feb	-	-	-	-	-	-	-	-	-	-	-	
Mar	-	-	-	-	-	-	-	-	-	-	-	
Apr May	-	-	-	-	-	-	-	-	-	-		
Jun	-	-	-	-	-	-	-	-	-	-	-	
Jul												
Aug	-	-	-		-	-	-	-	-	-	-	
Sep	-	-	-	-	-	-	-	-	-	-	-	
Oct Nov	-	-	-		-	-	-	-	-	-		
Dec	-	-		-	-	-	-		-	-	-	
2017 Jan	-	-		-		-		-	-	-		
Feb	-	-	-	-	-	-	-	-	-	-	-	
Mar Apr	-		-	-	-	-		-	-	-	-	
May	-	-	-	1	-	-	-	-	-	-		
Jun	-	-	-	-	-	-	-	-	-	-	-	
Jul	0.1	0.1	-	0.1		0.1	-0.2		-	-0.1	0.1	
Aug		0.7	_	0.1	-	0.8	-0.2	-0.1	0.1		0.3	

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

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

	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	В	С	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG	
atest weight	1 000.0	87.1	720.5	120.3	72.1	65.1	49.3	204.4	240.5	267.9	219.9	
-	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T	
Percentage cha	nge, latest 3 mo	nths on previo	ous 3 months									
2015 Jun	-	-	-	-	-	-	-	-	-	-		
Jul	-		-	-	-	-		-	-	-		
Aug	-	-	-	-	-	-	-	-	-	-		
Sep	-	-	-	-	-	-	-	-	-	-		
Oct Nov	-	-	-	-	-	-	-	-	-	-		
Dec	-	-	-	-	-	-	-	-	-	-		
Dec	-	-	-	-	-	-	-	-	-	-		
2016 Jan	-	-	-	-	-	-	-	-	-	-		
Feb	-	-	-	-	-	-	-	-	-	-		
Mar	-	-	-	-	-	-	-	-	-	-		
Apr May	-	-	-	-	-	-	-	-	-	-		
Jun	-	-	-	-	-	-	-	-	-	-		
Jun	-	-	-	-	-	-	-	-	-	-		
Jul	-	-		-	-	-	-	-	-	-		
Aug	-	-	-	-	-	-	-	-	-	-		
Sep	-	-	-	-	-	-	-	-	-	-		
Oct	-	-	-	-	-	-	-	-	-	-		
Nov	-	-	-	-	-	-	-	-	-	-	-	
Dec	-	-	-	-	-	-	-	-	-	-		
017 Jan	-	-	-	-	-	-	-	-	-	-		
Feb	-	-		-	-	-	-		-	-		
Mar	-	-	-	-	-	-	-	-	-	-		
Apr	-	-	-	-	-	-	-	-	-	-		
May	-	-	-	-	-	-	-	-	-	-		
Jun	-	-	-	-	-	-	-	-	-	-		
Jul	0.1	0.1	-	-	-	0.1	-0.1	-	-	-		
Aug	-	0.6		0.1	-	0.8	-0.2	-0.1	0.1		0.3	

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

Output of the Production Industries

Section CA CB CC CD CE Latest weight 114.5 26.8 50.3 13.0 49.5 2012 K22P K22T K22X K22X K22X 2013 - - - - - 2014 - - - - - 2015 - - - - - - 2016 - - - - - - - 2016 -		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	adjusted 2015 = 100 Basic pharmaceutical products and preparations
Latest megin K22B K22P K22T K22K K22Z 2013 - <td< td=""><td>Section</td><td>CA</td><td>СВ</td><td>CC</td><td>CD</td><td>CE</td><td>CF</td></td<>	Section	CA	СВ	CC	CD	CE	CF
K128 K22P K21 K22K K22Z 2013 - - - - - 2014 - - - - - - 2014 - - - - - - - 2016 02 - - - - - - 2016 02 - - - - - - 2017 01 -	Lataat waight	114.5	26.8	50.3	13.0	49.5	51.1
2013 - - - - - - 2014 - - - - - - - 2015 - - - - - - - - 2017 Q1 -	Latest weight						K239
2015 -		-	-	-	-	-	-
2016 -		-	-	-	-	-	-
2016 02 - <td>2015</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	2015	-	-	-	-	-	-
C3 - - - - - - 2017 C1 - - - - - - 2016 Jun - - - - - - Jul - - - - - - - Jul - - - - - - - - Sep -	2016	-	-	-	-	-	-
Q4 -	2016 Q2	-	-	-	-	-	-
2017 Q1 - <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>		-	-	-	-	-	-
Q2 - - - - - - 2016 Jul - - - - - Jul - - - - - - Sep - - - - - - - Sep -	Q4	-	-	-	-	-	-
2016 Jun - - - - - - Aug - - - - - - Aug - - - - - - - Sep -		-	-	-	-	-	-
Juli - - - - - - Sep - - - - - - Oct - - - - - - - Nov - - - - - - - - 2017 Jan - <td>Q2</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	Q2	-	-	-	-	-	-
Aug - - - - - - Sep - - - - - - Nov - - - - - - - Dec - - - - - - - - 107 Jan -	2016 Jun	-	-	-	-	-	-
Sep - - - - - - Oct - - - - - - Nov - - - - - - - Nov - - - - - - - - Presenter -<		-	-	-	-	-	-
Oci - - - - - - 2017 Jan - - - - - - 2017 Jan - - - - - - - Mar - - - - - - - - May -<		-	-	-	-	-	-
Dec - - - - - - 2017 Jan - - - - - - May - - - - - - - May - - - - - - - May -0.1 0.3 - - 0.5 - - Jun -0.3 0.3 - - 0.5 - - - - - - - - 0.5 - - 0.5 - - - - - - - 0.5 -	Oct	-	-	-	-	-	-
2017 Jan - <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>		-	-	-	-	-	-
Feb - - - - - Apr - - - - - Apr - - - - - Jun -0.1 0.3 - - - - Jun -0.3 0.3 -0.5 0.1 0.2 Percentage change, latest year on previous year - - - - - 2013 - - - - - - - - 2014 -		_	_	_	_	_	_
Apr - - - - - May - - - - - Jul -0.1 0.3 - - 0.2 Aug -0.3 0.3 -0.5 -0.1 0.5 Percentage change, latest year on previous year - - - - 2012 - - - - - - 2013 - - - - - - - 2014 - <		-	-	-	-	-	-
May - - - - - Jun -0.1 0.3 0.3 -0.5 -0.1 0.5 Percentage change, latest year on previous year - - - - - - 0.5 2012 - - - - - - - - - - - - - 2013 - <t< td=""><td></td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></t<>		-	-	-	-	-	-
Jun - - - - - - - Jul -0.1 0.3 0.3 -0.5 - 0.2 Aug -0.3 0.3 -0.5 - 0.1 0.5 Percentage change, latest ver on previous year - - - - - 2013 - - - - - - - 2014 - - - - - - - - 2016 - <t< td=""><td></td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></t<>		-	-	-	-	-	-
Aug -0.3 0.3 -0.5 -0.1 0.5 Percentage change, latest year on previous year 2012 - - - - 2013 -		-	-	-	-	-	-
2012 - - - - - 2013 - - - - - 2014 - - - - - 2015 - - - - - 2016 - - - - - - Percentage change, latest month on same month a year age 2015 Jun - - - - - Jul - - - - - - - - Aug -				-0.5	-0.1		-0.3 -0.3
2013<	Percentage cha	ange, latest year or	n previous year				
2014<		-	-	-	-	-	-
2015<		-	-	-	-	-	-
2016Percentage change, latest month or same month year ago2015JunJulAugSepOctDecDecMarAprJunAugAugAugAugOctAugOptAugAprAprApr <td< td=""><td></td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></td<>		-	-	-	-	-	-
2015 Jun - - - - - - Jul - - - - - - - Aug - - - - - - - - Sep -		-	-	-	-	-	-
JulAugSepOctNovDecAprAprJulAqugQotQotMarQotQotAugQotNovDecMarMarMarMarMarMarMar-<	Percentage cha	ange, latest month	on same month a ye	ear ago			
AugSepOctNovDec2016JanAprMarMayJunSepOctNovDec2017JanMayAprAprMarApprApprApprAppr	2015 Jun	-	-	-	-	-	-
Sep -	Jul	-	-	-	-	-	-
Oct -		-	-	-	-	-	-
Nov Dec - </td <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>		-	-	-	-	-	-
2016 Jan - - - - - Feb - - - - - - Mar - - - - - - Apr - - - - - - May - - - - - - Jun - - - - - - Aug - - - - - - Sep - - - - - - - Oct -	Nov	-	-	-	-	-	-
Feb - - - - - Mar - - - - - - Apr - - - - - - - May - - - - - - - Jun - - - - - - - Aug - - - - - - - - Sep - - - - - - - - - Oct -	Dec	-	-	-	-	-	-
Mar - - - - - Apr - - - - - - May - - - - - - - May - - - - - - - Jul - - - - - - - Aug - - - - - - - - Sep - - - - - - - - - Oct -		-	-	-	-	-	-
Apr -		-	-	-	-	-	-
Jun -		-	-	-	-	-	-
Aug -		-	-	-	-	-	-
Aug -	Jul	-	-	-	-	-	-
Oct -	Aug	-	-	-	-	-	-
Nov -		-	-	-	-	-	-
2017 Jan	Nov	-	-	-	-	-	-
Feb - - - - - Mar - - - - - Apr - - - - - May - - - - -		-	-	-	-	-	-
Apr May	Feb	-	-	-	-	-	-
May		-	-	-	-	-	-
		-	-	-	-	-	-
		-	-	-	-	-	-
Jul - 0.3 0.3 Aug -0.3 0.3 -0.5 -0.1 0.6		-		-	-		-0.4 -0.2

Chained volume indices of gross value added¹

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

Output of the Production Industries

continued		chained volume i	ndices of gross v	alue added'		Seasonally adjuste	ed 2015 = 100
	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	СН	CI	CJ	CK	CL	CM
Latest weight	58.5	87.6	33.0	21.7	44.0	102.9	67.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2012 2013	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-
2015 2016	-	-	-	-	-	-	-
2010							
2016 Q2	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-
2017 Q1	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-
2016 Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul Aug	-	- -0.1	-0.6 -0.4	-0.7 -0.6	0.4 0.3	0.2 0.4	0.3 0.4
-			-0.4	-0.0	0.5	0.4	0.4
-	hange, latest year o	ni previous year					
2012 2013	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016		-	-	-	-	-	-
_	hange, latest month	n on same month a	a year agc				
2015 Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2016 Jan	-	-	-	-	-	-	-
Feb Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun							
	-	-	-	-	-	-	-
Jul Aug	-	-	-	-	-	-	-
Jul Aug Sep	-				- - -	-	- - -
Jul Aug Sep Oct Nov	- - - -		- - -	- - - -			- - - -
Jul Aug Sep Oct Nov Dec	-			- - - -			- - - -
Jul Aug Sep Oct Nov Dec 2017 Jan	-			-	-		- - - - - - -
Jul Aug Sep Oct Nov Dec 2017 Jan Feb Mar							
Jul Aug Sep Oct Nov Dec 2017 Jan Feb Mar Apr							
Jul Aug Sep Oct Nov Dec 2017 Jan Feb Mar					-	- - - - - - - - - - - - - - - - - - -	
Jul Aug Sep Oct Nov Dec 2017 Jan Feb Mar Apr May		- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -		- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -

Chained volume indices of gross value added¹

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

Section

Jul

Output of the Production Industries

Chained volume indices of gross value added¹ Seasonally adjusted 2015 = 100 Textiles, wearing apparel and leather products Food products, Wood and Coke and Chemicals refined petroleum products beverages and tobacco paper products and printing and chemical products СС CE CA СВ CD 50.3 13.0 49.5 114.5 26.8 Latest weight K22B K22P K22T K22X K22Z Percentage change, latest month on previous month 2015 Jun -. ------_ Aug Sep Oct Nov -------

	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2016		-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-		-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2017		-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	0.3	-	-	0.2	-0.3
	Aug	-0.2	-	-0.4	-	0.4	0.2
	-						
Perce	entage change, l	latest 3 months on	same 3 months a	year agc			
2015	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2016		-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2017		-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	0.1	-	-0.1	0.1	-0.1
	Aug	-0.1	0.2	-0.1	-	0.2	-0.3

Any apparent inconsistencies between the index numbers and the 1 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.

Basic pharmaceutical

products and preparations

CF

51.1

K239

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_

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Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2015 = 100 Rubber and Machinery and equipment not plastic products Basic metals Computer, Other and non-metallic and metal electronic and Electrical elsewhere Transport manufacturing mineral products products optical products equipment classified equipment and repair СН CI CJ СК CL СМ Section CG 58.5 87.6 21.7 44.0 102.9 67.4 33.0 Latest weight K23B K23N K23R K23G K23P K23T K23Z Percentage change, latest month on previous month 2015 Jun Jul Aug Sep _ Oct _ Nov _ Dec _ 2016 Jan Feb Mar Apr May Jun Jul Aug -Sep Oct Nov Dec 2017 Jan _ Feb Mar Apr May Jun Jul -0.6 -0.8 0.4 0.2 0.2 -0.1 -0.1 0.2 Aug 0.2 0.2 0.1 Percentage change, latest 3 months on same 3 months a year ago 2015 Jun Jul _ Aug --. Sep Oct -Nov Dec 2016 Jan Feb -. --Mar _ Apr May Jun Jul Aug Sep -Oct Nov Dec 2017 Jan Feb Mar ---Apr Mav -Jun Jul -0.2 -0.3 0.1 0.1 0.1 Aug -0.4 -0.4 0.2 0.2 0.1

1 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 added¹

continued			ndices of gross v		Seasonally	adjusted 2015 = 10
	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	Basi pharmaceutica products an preparation
Section	CA	СВ	CC	CD	CE	CI
_atest weight	114.5	26.8	50.3	13.0	49.5	51.
	K22B	K22P	K22T	K22X	K22Z	K23
Percentage cha	inge, latest 3 mont	ths on previous 3 m	onths			
2015 Jun	-	-	-	-	-	
Jul	-	-	-	-	-	
Aug	-	-	-	-	-	
Sep	-	-	-	-	-	
Oct	-	_	_	_	_	
Nov						
Dec	-	-	-	-	-	
Dec	-	-	-	-	-	
2016 Jan	-	-	-		-	
Feb	-	-	-		-	
Mar	-	-	-	-	-	
Apr	-	_	_	_	_	
May	_			_		
Jun	-	-	-	-	-	
Jun	-	-	-	-	-	
Jul	-	-	-	-	-	
Aug	-	-	-		-	
Sep	-	-	-	-	-	
Oct		_	_		_	
Nov						
Dec						
Dec	-	-	-	-	-	
017 Jan	-	-	-	-	-	
Feb	-	-	-	-	-	
Mar	-	-	-	-	-	
Apr	-	-	-	-	-	
May	-	-	-	-	-	
	-	-	-	-	-	
Jun	-	-	-	-	-	
Jul	-	0.1	-	-	0.1	-0.
Aug	-0.1	0.2	-0.2		0.3	-0.

1 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 added¹

Seasonally adjusted 2015 = 100 Rubber and plastic products and non-metallic Machinery and equipment not Computer, electronic and Basic metals Other and metal Electrical elsewhere manufacturing Transport optical products mineral products classified and repair products equipment equipment Section CG СН CI CJ CK CL СМ 58.5 87.6 33.0 21.7 44.0 102.9 67.4 Latest weight K23B K23G K23N K23P K23R K23T K23Z Percentage change, latest 3 months on previous 3 months 2015 Jun Jul Aug -Sep _ Oct -Nov _ Dec 2016 Jan Feb Mar Apr May Jun Jul Aug . _ Sep _ Oct . Nov Dec 2017 Jan Feb Mar Apr May Jun _ -0.2 -0.4 -0.3 -0.4 0.1 0.2 Jul 0.1 0.2 -0.1 0.1 Aug

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



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