

Index of Production, November 2013



Coverage: UK

Date: **10 January 2014**

Geographical Area: **UK and GB**

Theme: **Economy**

Key points

- Users are reminded that all figures contained within this release are seasonally adjusted estimates.
- Production output rose by 2.5% between November 2012 and November 2013. This increase reflects rises in manufacturing (the largest component of production), mining & quarrying and the water supply, sewerage & waste management sectors.
- The main manufacturing components contributing to the increase between November 2012 and November 2013 were the manufacture of transport equipment; other manufacturing & repair; and the manufacture of basic metals & metal products.
- The basic iron & steel industry provided the largest contribution to growth in the manufacture of basic metals & metal products between November 2012 and November 2013, recording its highest growth, 34.3%, since records began in January 1998.
- Production output remained unchanged (0.0% growth) between October 2013 and November 2013.
- Within total production, between October 2013 and November 2013, manufacturing also remained unchanged; mining & quarrying and the water supply, sewerage & waste management sectors fell; there was a rise in the electricity, gas, steam & air conditioning sector.
- In this release only October 2013 was open for revision, in line with the National Accounts revisions policy.

Key figures

This bulletin presents the Index of Production (IoP) for the United Kingdom production industries, November 2013. Users are reminded that all figures contained within this release are seasonally adjusted estimates, unless otherwise stated. The reference year for these estimates is 2010=100 and they are mainly based on a monthly business survey (MBS) of approximately 6,000 businesses, covering all the territory of the UK without geographical breakdown. The IoP is one of the earliest indicators of growth and it measures gross value added in the manufacturing (the largest component of production), mining & quarrying, energy supply and water supply & waste management sectors. The total IoP estimate and various breakdowns are widely used in private and public sector institutions. Care should be taken when using the month on month growth rates due to their volatility. For an explanation of the terms used in this bulletin and other information, please see the background notes section. Table 1 shows the key figures for this release. Figure 1 shows the production and manufacturing series from August 2011 to November 2013.

Table 1: Percentage changes

	Index number	Month on the same month a year ago	3 months on the same 3 months a year ago	Month on previous month	3 months on previous 3 months
	2010=100				
Production	97.0	2.5	2.6	0.0	0.3
Manufacturing	101.0	2.8	2.0	0.0	0.6

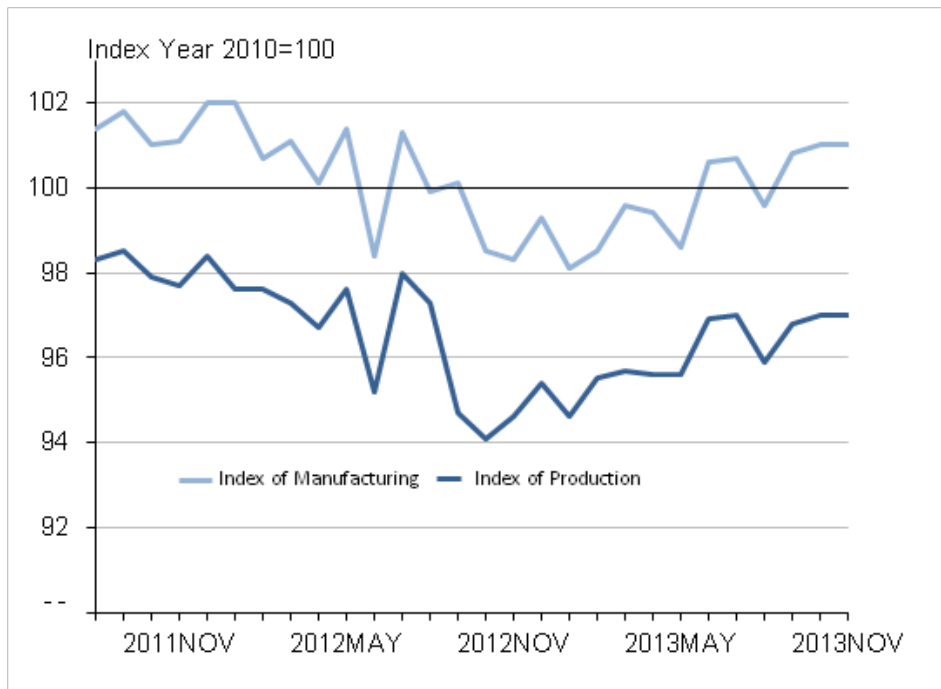
Table notes:

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

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(16.5 Kb)

Figure 1: Seasonally adjusted production and manufacturing**Notes:**

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

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Economic context

As seen in figure 2, the pace of growth in manufacturing exceeded that of total production between 2003 and 2007. This trend, however, was temporarily interrupted following the economic downturn in 2008, where manufacturing fell by a greater extent than total production. Since the second half of 2010, growth in manufacturing has returned to its pre-downturn trend of outpacing growth in total production. Comparing Q3 2013 with Q1 2013, manufacturing output rose by 1.7% and total production output increased by 1.4%.

Figure 2: Quarterly seasonally adjusted production and manufacturing**Notes:**

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

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The recent divergence can be attributed to movements within the sub-industry groupings that make up total production, namely the mining and quarrying industries. The decline of oil & gas extraction over the past 13 years has provided downward pressure on production, this can predominantly be attributed to North Sea oil and gas reserves becoming increasingly challenging to extract and ageing extraction equipment requiring extensive repairs and maintenance.

More recently, the Quarterly National Accounts' estimate of gross domestic product (GDP) confirmed that the UK economy grew by 0.8% in Q3 2013, unrevised from both the preliminary and second estimates.

Growth was broad-based with all industry groupings contributing positively towards GDP. The services industries continued to be the main contributors, with output in the latest quarter surpassing its pre-downturn peak in Q1 2008. By contrast, output in both the production and construction industries remained more than 10% below their respective pre-downturn peaks. It is also worth noting that, during the latest two quarters, growth in construction output has been notably higher compared with the production industries.

Broader economic conditions remain difficult as UK consumer price inflation continues to exceed growth in total average weekly earnings, therefore squeezing the real income of households. However, the rate of inflation fell further in November due to notable contributions from food and utilities (gas and electricity). The prices of goods produced by UK manufacturers – or 'factory gate

prices' – rose by 0.8% in the year to November. Input prices for all manufactured goods fell by 1.0% over the same period.

Economic conditions in the euro area remain complex. The latest EA17 GDP figures estimated that output grew by 0.1% in Q3 2013 compared with Q2 2013, a second successive quarterly expansion. However, this comes after a period of six consecutive quarterly contractions up to Q1 2013. The rate of consumer price inflation rose to 0.9% in the twelve months to November 2013, while unemployment fell slightly to 12.1% in October, although these statistics vary by country.

Economic conditions in the US strengthened further, with GDP growing by 1.0% in Q3 2013 compared with Q2 2013. The US labour market also improved, with the unemployment rate falling by 0.3 percentage points between October and November 2013 to 7.0%.

On a global level, production output amongst the G7 nations appears to have been growing steadily since 2011, expanding by a further 0.6% in Q3 2013 compared with Q2 2013. This experience, however, varies by country with production output in the UK, France and Italy still remaining below levels reached in Q1 2011.

GDP Impact and Components

In this release, the earliest period open for revision was October 2013, in line with [National Accounts revisions policy \(41.6 Kb Pdf\)](#). Therefore, there is no impact on previously published estimates of GDP quarterly growth rates.

The estimates for the production industries are generally the first of the main components for the output approach to the measurement of GDP to be published (agriculture, construction and services are the other components). All the components are already available for Q3 2013. Details of the data already published can be found in Table 2.

Output in the construction industry in November 2013 will be published on 10 January 2014 and services output for the same period on 28 January 2014.

Table 2: GDP component tables, Quarter 3 2013

Publication	% of GDP	Release date	Month / Quarter of GDP	Percentage change			
				Most recent quarter on a year earlier	Most recent quarter on quarter earlier	Most recent month on the same month a year ago	Most recent month on the previous month
Index of Production 1	15.2	10 Jan	Nov	..	..	2.5	0.0
			Oct	..	..	3.2	0.3
			Q3	-0.1	0.6	..	..
Construction output	6.3	10 Jan	Nov	..	..	2.2	-4.0
			Oct	..	..	5.1	2.0
			Q3	6.3	2.6	..	..
Index of Services	77.8	20 Dec	Oct	..	..	2.1	0.1
			Q3	1.8	0.8	..	..
Retail Sales		19 Dec	Nov	..	..	2.0	0.3
			Oct	..	..	1.8	-0.9
			Q3	2.1	1.3	..	..
Agriculture	0.7		Q3	-6.4	-3.2	..	..

Table source: Office for National Statistics

Table notes:

1. The data for the index of production reflect the latest revisions published as part of this release.

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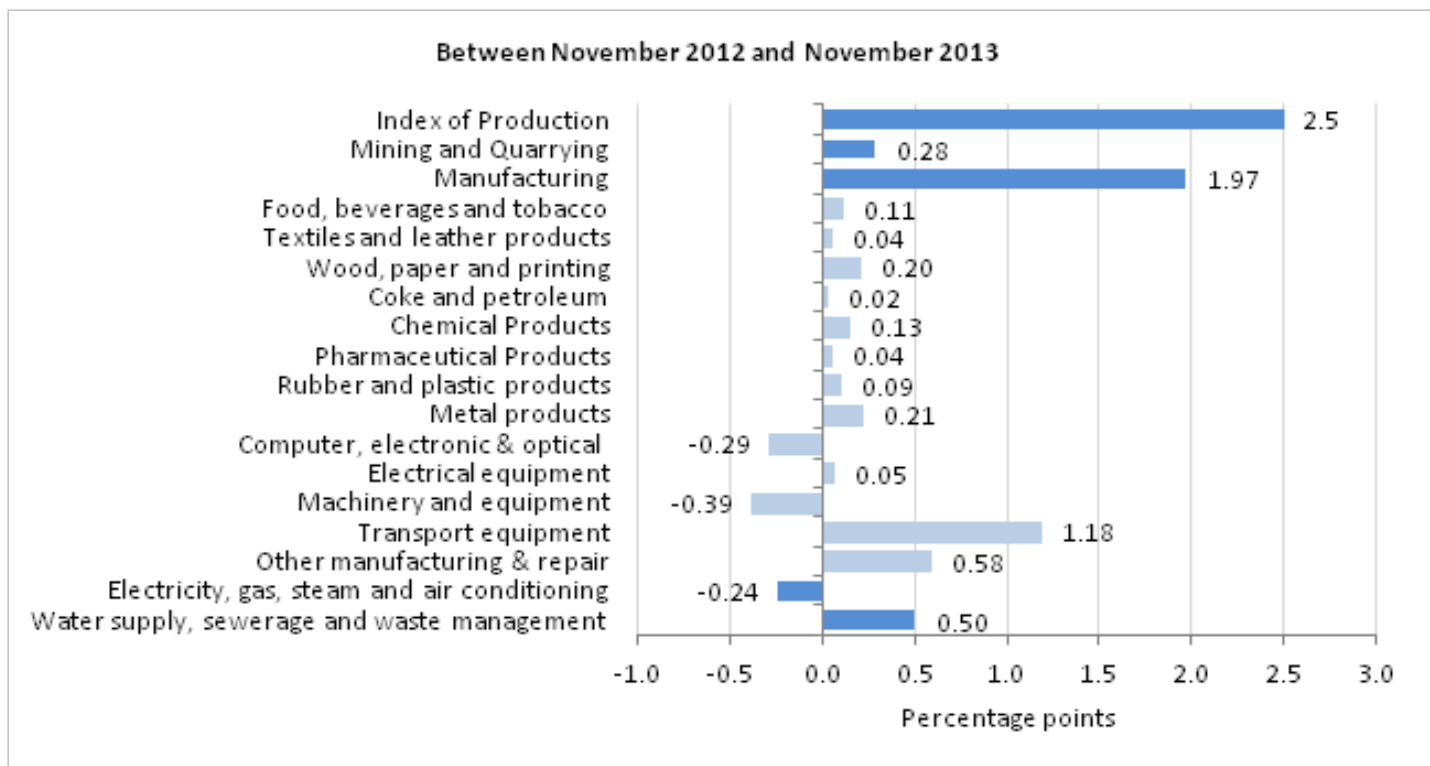
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Production and sectors supplementary analysis

Figure 3: Contribution to production growth month on same month a year ago

Growth rates can be found in the chart download or in the attached IoP 5 tables



Notes:

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

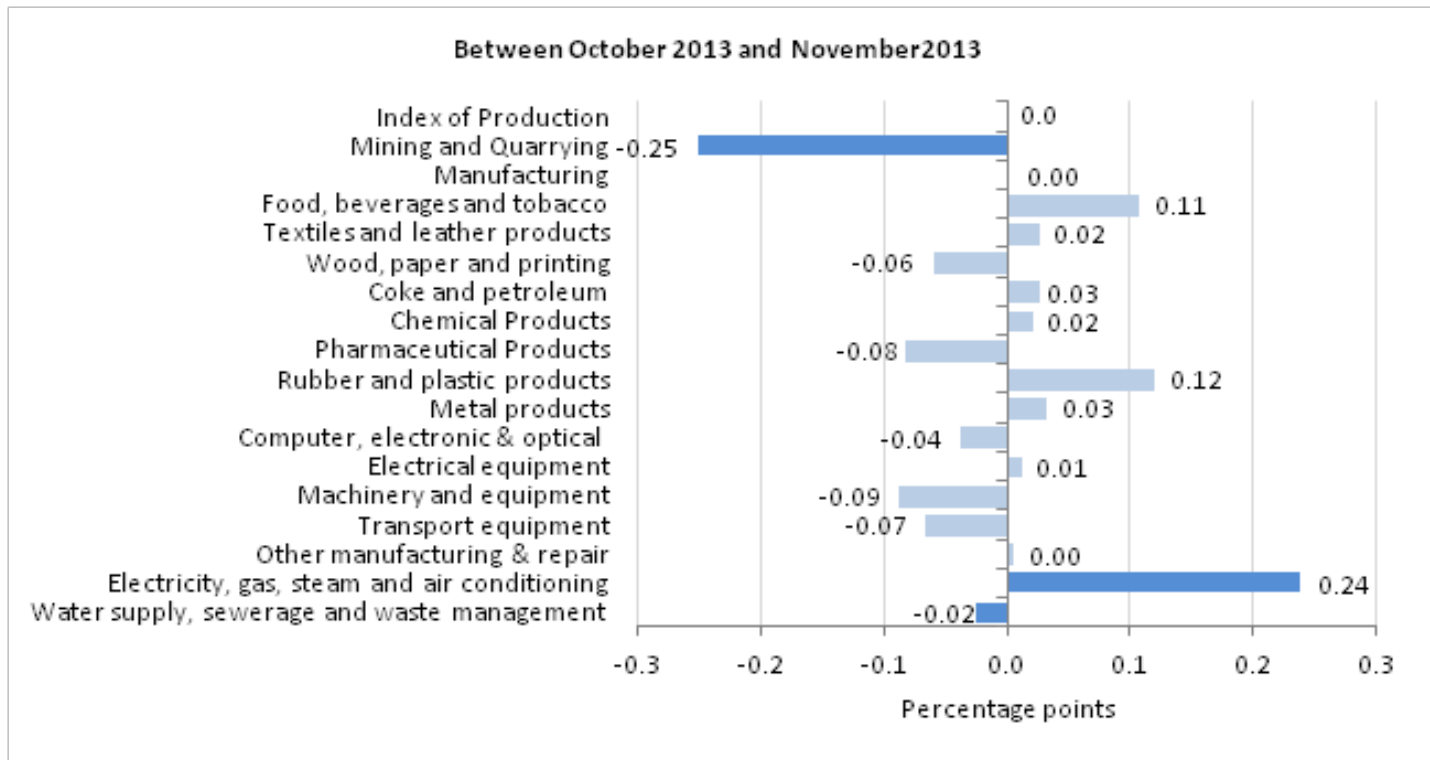
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Figure 4: Contribution to production growth month on month

Growth rates can be found in the chart download or in the attached IoP 5 tables

**Notes:**

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

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Total production

Total production output in November 2013 increased by 2.5% compared with November 2012. Manufacturing, the largest component of production, rose by 2.8%, the highest growth since May 2011. The water supply, sewerage & waste management sector rose by 5.6% and mining & quarrying rose by 2.4%. These rises were partially offset by a decrease in electricity, gas, steam & air-conditioning output of 2.8%

Between October 2013 and November 2013, production and manufacturing both remained unchanged at 0.0% growth (Figure 2). This is the first time this has occurred since August 1986, following upward growth to both in October of 0.3% and 0.2% respectively. Within total production, there were also falls of 2.2% in mining & quarrying and a fall of 0.3% in the water, sewerage & waste management sector. These falls were offset by a rise of 3.0% in the electricity, gas, steam & air conditioning sector.

Manufacturing

Manufacturing output increased by 2.8% between November 2012 and November 2013, with output rising in 11 of the 13 manufacturing subsectors. The largest upward contribution in manufacturing output was from the manufacture of transport equipment, which rose by 12.3% and contributed 1.7 percentage points to this sector's growth. The majority of this strength, 1.2 percentage points, came from the manufacture of motor vehicles, trailers & semi trailers. The second largest contributor to the growth in manufacturing was other manufacturing & repair, which increased by 10.5% and contributed 0.8 percentage points. This was followed by the manufacture of basic metals & metal products, which increased by 2.6% and contributed 0.3 percentage points; the main contributor to this increase was the growth in the basic iron and steel industry, which increased by 34.3% compared with a year ago, the highest growth since records began in January 1998 and contributed 3.8 percentage points to the subsector's growth. Anecdotal evidence suggests that the growth was due to increased demand in all steel products, especially cold drawn bars and tubes.

By contrast, the downward contributions came from the manufacture of machinery & equipment not elsewhere classified, which fell by 6.9% and contributed 0.5 percentage points and the manufacture of computer, electronic & optical products, which fell by 6.4% and contributed 0.4 percentage points.

Manufacturing output remained unchanged at 0.0% growth between October 2013 and November 2013 following a rise of 0.2% in the previous month. There were increases in eight of the 13 manufacturing subsectors. The largest contributor to manufacturing growth was the manufacture of rubber, plastic products & other non-metallic mineral products, which rose by 2.1% and contributed 0.2 percentage points. The next largest contributor was the manufacture of food products, beverages & tobacco, which rose by 0.9% and contributed 0.1 percentage points. This was followed by the manufacture of basic metals & metal products, which rose by 0.4% and had negligible upward contribution to manufacturing growth, less than 0.1 percentage points.

In contrast to the above rises, the largest downward contributions to the month on month manufacturing growth came from the manufacture of machinery & equipment not elsewhere classified, which fell by 1.7% and contributed 0.1 percentage points; the manufacture of basic pharmaceutical products & pharmaceutical preparations, which fell by 1.6% and contributed 0.1 percentage points. This was followed by the manufacture of transport equipment, which fell by 0.6% and contributed 0.1 percentage points; the majority of this fall was attributed to the manufacture of motor vehicles, trailers & semi trailers.

Mining & quarrying

Mining & quarrying output increased by 2.4% between November 2012 and November 2013. The largest contribution to this increase came from other mining & quarrying output, which rose by 17.7% and contributed 4.5 percentage points to the growth. This increase was partially offset by decreases in the extraction of crude petroleum & natural gas, which fell by 2.0% and contributed 1.5 percentage points; and also a decrease in the mining of coal & lignite, which fell by 41.8% and contributed 0.6 percentage points.

Mining & quarrying output decreased by 2.2% in November 2013 compared with October 2013. The largest contribution to the decrease came from the extraction of crude petroleum & natural gas, which fell by 3.0% and contributed 2.1 percentage points to the fall in this sector. This was followed by other mining & quarrying, which fell by 0.4%, and contributed 0.1 percentage points. These

decreases were partially offset by an increase in the mining of coal & lignite of 17.3%, the largest increase since January 2013, which contributed 0.1 percentage points.

Electricity, gas, steam & air conditioning

Electricity, gas, steam & air conditioning output decreased by 2.8% between November 2012 and November 2013, a result of falls in both of its sectors. The supply of gas, steam & air conditioning fell by 5.8% and contributed 1.5 percentage points and electrical power generation, transmission & distribution fell by 1.8% and contributed 1.3 percentage points to the fall.

Electricity, gas, steam & air conditioning output increased by 3.0% in November 2013 compared with October 2013. The increase reflects a rise of 15.7% in the supply of gas, steam & air conditioning, which contributed 3.6 percentage points. This rise was slightly offset by a fall in electrical power generation, transmission & distribution of 0.8%, which contributed 0.6 percentage points.

Water & waste management

Water supply, sewerage & waste management output increased by 5.6% between November 2012 and November 2013, with increases in all of its sectors. The highest contributor to the growth in this sector was waste collection, treatment & disposal activities, which increased by 6.6% and contributed 2.9 percentage points. The next highest was sewerage, which increased by 5.4% and contributed 1.6 percentage points; this was followed by water collection, treatment & supply, which increased by 4.3% and contributed 1.1 percentage points; and remediation activities & other waste management services, which increased by 6.5% and contributed 0.1 percentage points to the growth in this sector.

Water supply, sewerage & waste management output decreased by 0.3% between October 2013 and November 2013, with decreases in three of its four subsectors. Waste collection, treatment & disposal decreased by 1.7% and contributed 0.8 percentage points; sewerage decreased by 0.2% and contributed 0.1 percentage points; and remediation activities & other waste management services decreased by 2.8% with negligible contribution to the decrease in this sector. Offsetting these decreases was an increase in water collection, treatment & supply, which rose by 2.4% and contributed 0.6 percentage points.

Background notes

1. What's new?

This release conforms to the [standard revisions policy for National Accounts \(41.6 Kb Pdf\)](#). In accordance with the policy, the current revisions period is open back to October 2013.

A report titled [GDP Output Improvement Report November 2013 \(73.9 Kb Pdf\)](#) was published on 22 November 2013. This report provides a detailed update of the work on industry reviews and wider improvements to IoP, IoS, GDPO and outlines the greater scope of the project as part of the GDP Continuous Improvement Programme.

Upcoming changes

The index of production release for December 2013, to be published on 07 February 2014, will have a revisions period back to January 2013.

2. Code of Practice for Official Statistics

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3. Understanding the data

Short guide to the Index of Production

This statistical bulletin gives details of the index of output of the production industries in the United Kingdom. Index numbers of output in this statistical bulletin are on the base 2010=100 and are classified to the [2007 Standard Industrial Classification](#) (SIC). The production industries, which accounted for 15.2% of gross domestic product in 2010, cover mining & quarrying (Sector B), manufacturing (Sector C), gas & electric (Sector D), and water supply & sewerage (Sector E).

Interpreting the data

The non-seasonally adjusted series contain elements relating to the impact of the standard reporting period, moving holidays and trading day activity. When making comparisons it is recommended that users focus on seasonally adjusted estimates as these have the seasonal effects and systematic calendar related components removed.

Figures for the most recent months are provisional and subject to revision in light of (a) late responses to surveys and administrative sources and (b) revisions to seasonal adjustment factors which are re-estimated every month and reviewed annually (changes from the latest review are included in this release).

Definitions and explanations

Definitions found within the main statistical bulletin are listed here:

- Chained volume measure
An index number from a chain index of quantity. The index number for the reference period of the index may be set equal to 100 or to the estimated monetary value of the item in the reference period.
- Index number
A measure of the average level of prices, quantities or other measured characteristics relative to their level for a defined reference period or location. It is usually expressed as a percentage.
- Seasonally adjusted

Seasonal adjustment aids interpretation by removing effects associated with the time of the year or the arrangement of the calendar, which could obscure movements of interest.

Use of the data

The IoP is a key economic indicator and one of the earliest short-term measures of economic activity. The main output is a seasonally adjusted estimate of total production and broad sector groupings of mining & quarrying, manufacturing, energy and water supply & sewerage. The total IoP estimate and various breakdowns are widely used in private and public sector institutions, particularly the Bank of England, Her Majesty's Treasury and the Office for Budget Responsibility, to assist in informed policy and decision making.

4. Methods

An article about the [Index of Production methodology \(66.5 Kb Pdf\)](#) is available on the [Office for National Statistics website](#).

Composition of the data

The Index of Production uses a variety of different data from sources which are produced on either a quarterly or monthly basis.

Most of the series are derived using current price turnover deflated by a suitable price index. This includes the Monthly Business Survey (MBS) data; an ONS short-term survey on different sectors of the economy. It is one of the main data sources used in the compilation of the Index of Production.

Seasonal adjustment

The index numbers in this statistical bulletin are all seasonally adjusted. This aids interpretation by removing annually recurring fluctuations, for example, due to holidays or other regular seasonal patterns. Unadjusted data are also available.

Seasonal adjustment removes regular variation from a time series. Regular variation includes effects due to month lengths, different activity near particular events such as shopping activity before Christmas, and regular holidays such as the May bank holiday. Some features of the calendar are not regular each year, but are predictable if we have enough data - for example the number of certain days of the week in a month may have an effect, or the impact of the timing of Easter. As Easter changes between March and April we can estimate its effect on time series and allocate it between March and April depending on where Easter falls. Estimates of the effects of day of the week and Easter are used respectively to make trading day and Easter adjustments prior to seasonal adjustments.

Although leap years only happen every four years, they are predictable and regular and their impact can be estimated. Hence, if there is a leap year effect, it is removed as part of regular seasonal adjustment.

Deflation

It is common for the value of a group of financial transactions to be measured in several time periods. The values measured will include both the change in the volume sold and the effect of the change of prices over that year. Deflation is the process whereby the effect of price change is removed from a set of values.

All series, unless otherwise quoted, are chained volume measures. Deflators adjust the value series to take out the effect of price change to give the volume series.

5. Quality

Basic quality information

A common pitfall in interpreting data is that expectations of accuracy and reliability in early estimates are often too high. Revisions are an inevitable consequence of the trade off between timeliness and accuracy. Early estimates are based on incomplete data.

Very few statistical revisions arise as a result of 'errors' in the popular sense of the word. All estimates, by definition, are subject to statistical 'error' but in this context the word refers to the uncertainty inherent in any process or calculation that uses sampling, estimation or modelling. Most revisions reflect either the adoption of new statistical techniques, or the incorporation of new information which allows the statistical error of previous estimates to be reduced. Only rarely are there avoidable 'errors' such as human or system failures, and such mistakes are made quite clear when they do occur.

Summary quality report

A [summary quality report \(130.1 Kb Pdf\)](#) for this Statistical Bulletin can now be found on the [ONS website](#).

National Accounts revisions policy

Figures for the most recent months are provisional and subject to revision in light of (a) late responses to the Monthly Business Survey MBS and (b) revisions to seasonal adjustment factors which are re-estimated every period.

The index of production release for December 2013 will have a revisions period back to January 2013.

[National Accounts revision policy \(41.6 Kb Pdf\)](#) can be found on the [ONS website](#).

Revision triangles

One indication of the reliability of the key indicators in this bulletin can be obtained by monitoring the size of revisions. The table below is based on the revisions which have occurred over the last five years. Please note that these indicators only report summary measures for revisions. The revised data may, themselves, be subject to sampling or other sources of error.

The following table presents a summary of the differences between the first estimates published between December 2007 and November 2012 and the estimates published 12 months later.

Table 4: Revisions November 2013

Growth rates	Value in latest period	Average		Absolute average
Production - 3 month	0.3	-0.21		0.33
Manufacturing - 3 month	0.6	-0.20		0.37
Production - 1 month	0.0	-0.12	*	0.26
Manufacturing - 1 month	0.0	-0.10	*	0.28

Table source: Office for National Statistics

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[Spreadsheets give revisions triangles \(3.86 Mb ZIP\)](#) of estimates for all months from March 1998 through to the current month.

A statistical test has been applied to the average revisions to find out if they are statistically significantly different from zero. An asterisk (*) indicates if a figure has been found to be statistically significant from zero.

The table uses historical data for the most recent 60 months, comparing the estimate at first publication with the estimate as published 12 months later. The numbers which underpin these averages include normal changes due to late data and re-seasonal adjustment, but also significant methodological changes, the most recent being the introduction of the 2007 Standard Industrial Classification in October 2011.

6. Publication policy

Details of the policy governing the release of new data are available from the press office. Also available is [a list of those given pre-publication access](#) to the contents of this release.

A complete set of series in the statistical bulletin are available to download free of charge on the [Data section](#) of the Office for National Statistics website. Alternatively, for low-cost tailored data, call Online Services on 0845 601 3034

or email [Customer Contact Centre](#).

7. Accessing data

The complete run of data in the tables of this statistical bulletin is also available to view and download in electronic format free of charge using the [ONS Time Series Data service](#). Users can download the complete bulletin in a choice of zipped formats, or view and download their own selections of individual series.

ONS provides an [analysis of past revisions in the IoP and other statistical bulletins \(244.6 Kb Pdf\)](#) which present time series. Details can be found on the Office for National Statistics website.

[ONS publishes revisions triangles \(65.8 Kb Pdf\)](#) for all the main published key indicators on the Office for National Statistics website.

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9. Next publication: Friday 07 February 2014

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IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2010 = 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	MIG-CND	MIG-CAG	MIG-IG	MG-NRG
Latest weight	1 000.0	150.6	684.3	85.6	79.5	124.0	57.2	207.6	214.8	256.4	248.5
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2008	107.5	113.4	106.9	101.1	110.5	116.9	111.9	101.1	103.1	114.2	109.7
2009	97.2	102.5	96.0	96.2	101.3	107.1	104.3	100.3	90.6	95.6	102.6
2010	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2011	98.8	85.2	101.8	94.1	104.1	81.7	100.6	99.3	106.7	99.5	89.3
2012	96.3	76.8	100.1	93.8	103.9	70.3	97.8	95.2	108.5	98.7	82.6
2012 Q3	96.7	78.1	100.4	92.8	103.5	71.6	97.7	95.4	109.6	98.9	82.7
2012 Q4	94.7	70.7	98.7	96.1	104.2	62.5	98.4	92.6	109.1	97.8	78.9
2013 Q1	95.3	73.8	98.7	97.3	103.8	64.0	96.2	93.4	109.3	97.5	80.7
2013 Q2	96.0	75.4	99.5	94.5	106.5	64.7	96.6	95.9	109.6	98.0	80.3
2013 Q3	96.6	75.9	100.4	88.9	111.4	65.9	97.0	94.7	111.5	99.0	79.1
2012 Sep	94.7	68.3	100.1	92.6	100.5	59.8	97.6	95.7	109.1	98.3	76.8
2012 Oct	94.1	66.4	98.5	99.3	103.0	57.7	100.0	93.1	107.8	98.1	77.0
2012 Nov	94.6	71.8	98.3	95.0	105.9	63.7	97.4	92.1	108.7	97.4	79.4
2012 Dec	95.4	73.7	99.3	93.9	103.5	66.2	97.7	92.5	110.9	98.0	80.2
2013 Jan	94.6	73.9	98.1	95.0	103.2	65.1	97.0	93.2	108.5	96.0	80.5
2013 Feb	95.5	75.4	98.5	96.6	107.3	65.2	93.5	93.2	108.9	97.9	81.0
2013 Mar	95.7	72.2	99.6	100.3	101.0	61.7	98.0	93.8	110.4	98.8	80.6
2013 Apr	95.6	73.4	99.4	97.6	102.5	62.7	97.4	95.8	110.2	96.9	80.3
2013 May	95.6	76.2	98.6	95.5	106.9	66.1	95.0	95.4	107.7	97.5	81.2
2013 Jun	96.9	76.8	100.6	90.3	110.2	65.4	97.5	96.4	110.9	99.5	79.4
2013 Jul	97.0	76.1	100.7	89.6	112.2	65.8	100.3	95.9	113.1	97.7	79.6
2013 Aug	95.9	75.4	99.6	88.5	111.8	65.6	94.4	93.2	109.7	99.3	78.9
2013 Sep	96.8	76.1	100.8	88.6	110.2	66.2	96.3	94.9	111.7	100.0	78.7
2013 Oct	97.0 [†]	75.2 [†]	101.0 [†]	89.6 [†]	112.2 [†]	64.4 [†]	96.4 [†]	94.1 [†]	113.3 [†]	100.5	77.7 [†]
2013 Nov	97.0	73.6	101.0	92.3	111.9	62.4	95.7	93.8	112.5	101.3	78.0
Percentage change, latest year on previous year											
2008	-2.9	-6.1	-2.8	0.5	-2.0	-5.7	-5.5	-1.7	-3.3	-3.6	-2.9
2009	-9.5	-9.7	-10.2	-4.8	-8.3	-8.4	-6.8	-0.8	-12.1	-16.3	-6.5
2010	2.8	-2.4	4.2	3.9	-1.3	-6.6	-4.1	-0.3	10.4	4.6	-2.5
2011	-1.2	-14.8	1.8	-5.9	4.1	-18.3	0.6	-0.7	6.7	-0.5	-10.7
2012	-2.5	-9.8	-1.7	-0.3	-0.2	-14.0	-2.9	-4.2	1.7	-0.9	-7.5
Percentage change, latest month on same month a year ago											
2011 Sep	-2.3	-18.6	0.7	-1.8	2.5	-22.6	-2.0	-2.7	7.4	-2.0	-12.1
2011 Oct	-3.0	-14.2	-1.0	-7.2	5.7	-17.5	-1.1	-3.9	4.5	-3.0	-11.9
2011 Nov	-3.4	-14.0	-1.0	-10.2	4.0	-17.1	-0.3	-2.7	5.6	-4.7	-12.6
2011 Dec	-2.5	-14.1	0.9	-14.5	5.2	-18.2	-3.7	-1.7	7.1	-1.3	-15.4
2012 Jan	-3.5	-19.7	0.4	-8.1	-2.7	-23.8	-5.0	0.2	4.8	-2.4	-15.5
2012 Feb	-1.7	-7.6	-1.4	0.8	3.6	-10.7	-6.6	-0.7	-0.9	-1.8	-4.9
2012 Mar	-2.0	-6.0	-0.9	-9.6	2.2	-10.4	-6.3	-2.0	1.5	-0.6	-8.2
2012 Apr	-1.3	-10.6	-1.2	7.2	4.2	-15.9	-2.4	-5.1	2.9	1.0	-6.3
2012 May	-1.5	-6.8	-1.2	3.7	-1.5	-12.2	-3.2	-6.2	3.1	1.7	-4.9
2012 Jun	-4.2	-4.2	-4.1	-3.3	-5.8	-6.8	-10.5	-6.9	0.5	-4.4	-5.4
2012 Jul	-0.8	-1.2	-0.8	-2.2	1.2	-4.2	-3.1	-5.5	4.6	-0.1	-3.8
2012 Aug	-1.1	0.3	-1.5	-3.7	3.1	-1.5	-2.7	-4.5	2.4	-0.4	-3.0
2012 Sep	-3.8	-17.1	-1.7	-2.8	-2.9	-23.1	1.3	-2.3	0.5	-1.4	-12.3
2012 Oct	-3.9	-20.9	-2.5	8.7	-1.6	-27.2	4.4	-4.8	0.3	-0.6	-11.5
2012 Nov	-3.1	-13.7	-2.7	4.6	2.3	-18.7	0.7	-5.7	-0.2	-0.5	-8.0
2012 Dec	-3.1	-8.7	-2.6	2.5	-3.9	-12.0	0.7	-6.3	1.1	-0.9	-5.6
2013 Jan	-3.1	-6.4	-3.9	4.8	0.5	-11.5	-1.2	-5.8	-	-3.7	-3.6
2013 Feb	-2.1	-6.8	-2.2	0.8	2.3	-14.1	-3.6	-5.0	3.1	-1.0	-7.0
2013 Mar	-1.6	-11.0	-1.4	15.8	-5.2	-18.3	0.9	-4.2	2.3	-0.2	-3.3
2013 Apr	-1.2	-5.9	-0.7	2.6	-2.5	-12.8	-1.2	0.8	3.1	-2.7	-4.7
2013 May	-2.0	-1.2	-2.7	-1.9	3.0	-5.8	-3.6	0.5	-1.5	-3.7	-3.6
2013 Jun	1.7	-2.8	2.2	-3.6	9.9	-11.1	2.1	3.0	2.8	4.2	-5.5
2013 Jul	-1.0	-7.6	-0.5	-4.0	7.5	-14.2	1.6	0.8	1.8	-1.9	-6.9
2013 Aug	-1.4	-9.9	-0.4	-4.3	5.7	-16.0	-2.4	-2.2	1.2	0.5	-8.0
2013 Sep	2.2	11.4	0.7	-4.4	9.7	10.7	-1.3	-0.8	2.4	1.7	2.5
2013 Oct	3.2	13.2 [†]	2.6 [†]	-9.7 [†]	8.9 [†]	11.5 [†]	-3.6 [†]	1.2 [†]	5.1 [†]	2.4 [†]	1.0 [†]
2013 Nov	2.5	2.4	2.8	-2.8	5.6	-2.0	-1.7	1.8	3.5	4.0	-1.7

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

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

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2010 = 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	MIG-CND	MIG-CAG	MIG-IG	MG-NRG
Latest weight	1 000.0	150.6	684.3	85.6	79.5	124.0	57.2	207.6	214.8	256.4	248.5
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
Percentage change, latest month on previous month											
2011 Sep	0.1	-1.1	0.4	-0.7	0.8	-2.0	-3.0	-1.8	2.5	0.5	-1.0
Oct	-0.6	1.9	-0.8	-4.2	1.2	1.8	-0.5	-0.2	-1.0	-1.0	-0.7
Nov	-0.2	-0.9	0.1	-0.5	-1.1	-1.0	0.9	-0.1	1.3	-0.9	-0.8
Dec	0.7	-2.9	0.9	0.9	4.1	-4.0	0.3	1.1	0.7	1.1	-1.6
2012 Jan	-0.8	-2.3	-	-1.1	-4.7	-2.2	1.2	0.3	-1.0	0.7	-1.6
Feb	-	2.5	-1.4	5.8	2.1	3.2	-1.1	-0.9	-2.7	-0.8	4.2
Mar	-0.3	0.3	0.4	-9.7	1.7	-0.4	0.1	-0.2	2.3	0.2	-4.3
Apr	-0.6	-3.9	-1.0	10.0	-1.4	-4.9	1.6	-2.9	-1.0	0.6	1.1
May	0.9	-1.2	1.3	2.2	-1.2	-2.3	-0.1	-0.2	2.3	1.7	-0.1
Jun	-2.4	2.5	-2.9	-3.7	-3.4	4.8	-3.1	-1.4	-1.3	-5.6	-0.2
Jul	2.9	4.2	2.9	-0.3	4.0	4.3	3.4	1.6	3.0	4.3	1.7
Aug	-0.7	1.5	-1.3	-1.1	1.4	1.8	-2.1	0.2	-2.4	-0.8	0.4
Sep	-2.7	-18.3	0.1	0.2	-5.1	-23.5	1.0	0.4	0.6	-0.5	-10.5
Oct	-0.7	-2.8	-1.6	7.1	2.5	-3.5	2.5	-2.7	-1.2	-0.3	0.2
Nov	0.6	8.2	-0.2	-4.3	2.8	10.4	-2.6	-1.0	0.8	-0.7	3.2
Dec	0.8	2.7	1.1	-1.2	-2.2	4.0	0.3	0.4	2.0	0.6	1.0
2013 Jan	-0.8	0.1	-1.3	1.1	-0.3	-1.6	-0.7	0.8	-2.1	-2.1	0.4
Feb	1.0	2.1	0.4	1.7	3.9	0.2	-3.6	-	0.3	2.0	0.6
Mar	0.1	-4.3	1.2	3.8	-5.8	-5.3	4.8	0.7	1.4	1.0	-0.5
Apr	-0.1	1.6	-0.2	-2.6	1.4	1.5	-0.6	2.1	-0.3	-2.0	-0.4
May	0.1	3.8	-0.8	-2.2	4.3	5.5	-2.5	-0.5	-2.2	0.7	1.1
Jun	1.3	0.8	2.0	-5.4	3.1	-1.0	2.6	1.1	3.0	2.1	-2.2
Jul	0.1	-0.9	0.1	-0.7	1.8	0.6	2.9	-0.5	2.0	-1.8	0.3
Aug	-1.1	-0.9	-1.2	-1.3	-0.4	-0.3	-5.9	-2.8	-3.0	1.6	-0.8
Sep	0.9	1.0	1.2	0.1	-1.4	0.9	2.1	1.8	1.9	0.7	-0.3
Oct	0.3 [†]	-1.2 [†]	0.2 [†]	1.1 [†]	1.8	-2.8 [†]	0.1 [†]	-0.8 [†]	1.4 [†]	0.4 [†]	-1.3 [†]
Nov	-	-2.2	-	3.0	-0.3	-3.0	-0.8	-0.3	-0.7	0.8	0.4
Percentage change, latest 3 months on same 3 months a year ago											
2011 Sep	-1.8	-16.8	0.9	-0.6	2.7	-20.6	-0.4	-0.6	5.6	-1.5	-10.8
Oct	-2.5	-16.5	-	-2.8	3.6	-20.3	-1.5	-2.5	5.4	-2.2	-11.5
Nov	-2.9	-15.7	-0.5	-6.5	4.1	-19.1	-1.1	-3.1	5.9	-3.2	-12.2
Dec	-3.0	-14.1	-0.4	-10.8	5.0	-17.6	-1.7	-2.8	5.7	-3.0	-13.3
2012 Jan	-3.1	-16.0	0.1	-11.0	2.1	-19.7	-3.0	-1.4	5.8	-2.8	-14.5
Feb	-2.6	-14.1	-0.1	-7.6	2.0	-17.8	-5.1	-0.7	3.6	-1.8	-12.1
Mar	-2.4	-11.5	-0.7	-5.7	1.0	-15.3	-6.0	-0.8	1.8	-1.6	-9.7
Apr	-1.7	-8.1	-1.2	-0.7	3.3	-12.3	-5.1	-2.6	1.2	-0.5	-6.5
May	-1.6	-7.8	-1.1	0.3	1.6	-12.8	-4.0	-4.4	2.5	0.7	-6.5
Jun	-2.3	-7.2	-2.1	2.4	-1.1	-11.7	-5.4	-6.1	2.2	-0.6	-5.5
Jul	-2.2	-4.1	-2.0	-0.6	-2.0	-7.7	-5.7	-6.2	2.7	-0.9	-4.7
Aug	-2.0	-1.7	-2.1	-3.1	-0.5	-4.2	-5.5	-5.6	2.5	-1.7	-4.1
Sep	-1.9	-6.0	-1.3	-2.9	0.5	-9.5	-1.5	-4.1	2.5	-0.6	-6.4
Oct	-2.9	-12.6	-1.9	0.6	-0.5	-17.2	1.0	-3.9	1.1	-0.8	-8.9
Nov	-3.6	-17.3	-2.3	3.4	-0.8	-23.0	2.1	-4.3	0.2	-0.8	-10.6
Dec	-3.4	-14.5	-2.6	5.3	-1.1	-19.4	1.9	-5.6	0.4	-0.7	-8.4
2013 Jan	-3.1	-9.7	-3.1	3.9	-0.4	-14.2	0.1	-5.9	0.3	-1.7	-5.8
Feb	-2.8	-7.3	-2.9	2.7	-0.4	-12.5	-1.4	-5.7	1.4	-1.8	-5.4
Mar	-2.3	-8.1	-2.5	6.9	-0.8	-14.7	-1.3	-5.0	1.8	-1.6	-4.7
Apr	-1.7	-7.9	-1.4	6.1	-1.8	-15.1	-1.3	-2.9	2.8	-1.3	-5.0
May	-1.6	-6.1	-1.6	5.1	-1.6	-12.5	-1.3	-1.0	1.3	-2.2	-3.9
Jun	-0.5	-3.3	-0.4	-1.0	3.4	-10.0	-0.9	1.4	1.4	-0.8	-4.6
Jul	-0.4	-4.0	-0.4	-3.2	6.8	-10.5	-	1.4	1.0	-0.6	-5.3
Aug	-0.2	-6.8	0.4	-4.0	7.6	-13.8	0.4	0.5	1.9	0.9	-6.8
Sep	-0.1	-2.9	-0.1	-4.2	7.6	-7.9	-0.7	-0.7	1.8	0.1	-4.4
Oct	1.3	3.8 [†]	1.0	-6.2 [†]	8.0	0.3 [†]	-2.4	-0.6 [†]	2.9 [†]	1.5 [†]	-1.8 [†]
Nov	2.6	8.9	2.0	-5.7	8.0	6.5	-2.2	0.7	3.6	2.7	0.5

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

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2010 = 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	MIG-CND	MIG-CAG	MIG-IG	MG-NRG	
Latest weight	1 000.0	150.6	684.3	85.6	79.5	124.0	57.2	207.6	214.8	256.4	248.5	
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T	
Percentage change, latest 3 months on previous 3 months												
2011	Sep	-0.3	-1.2	-0.4	2.6	-1.1	-2.9	-3.8	-1.2	1.1	0.2	-0.9
	Oct	-0.9	0.5	-1.0	-1.3	-1.3	-1.1	-6.0	-2.2	0.7	-0.5	-1.2
	Nov	-0.8	0.2	-0.8	-3.8	-0.1	-1.3	-6.2	-2.5	1.7	-0.9	-2.0
	Dec	-0.6	-0.5	-0.4	-4.5	2.2	-1.9	-2.7	-1.4	1.7	-1.1	-2.5
2012	Jan	-0.3	-2.7	0.3	-3.3	1.0	-3.9	0.1	-	1.6	-0.5	-3.1
	Feb	-0.1	-3.6	0.3	0.2	1.1	-4.6	1.2	0.9	-0.4	0.4	-2.0
	Mar	-0.5	-2.8	-0.1	-0.3	-0.6	-3.3	0.9	0.3	-1.2	0.7	-1.7
	Apr	-0.7	-1.2	-1.1	1.6	0.8	-1.7	0.3	-1.4	-2.0	0.4	-
	May	-0.7	-1.8	-0.7	0.4	0.1	-3.1	0.7	-2.7	0.1	0.8	-1.5
	Jun	-1.0	-2.9	-1.3	4.9	-1.6	-4.2	0.1	-3.9	0.6	-0.4	-0.6
	Jul	-0.3	-0.7	-0.2	2.5	-2.5	-1.3	-	-2.6	2.5	-0.3	-0.4
	Aug	-0.4	3.7	-1.0	0.2	-1.6	4.9	-1.2	-1.4	1.0	-2.0	1.4
	Sep	0.1	0.1	0.5	-2.7	0.5	-0.5	0.1	0.9	1.4	0.1	-1.7
	Oct	-1.6	-8.4	-0.9	-	0.3	-11.3	0.5	0.2	-0.9	-0.4	-5.6
	Nov	-2.5	-15.7	-0.9	2.6	-0.3	-20.7	1.4	-1.1	-0.6	-	-8.7
	Dec	-2.0	-9.5	-1.7	3.5	0.6	-12.6	0.7	-2.9	-0.4	-1.1	-4.6
2013	Jan	-0.5	0.5	-0.9	-0.1	1.1	-0.3	-0.8	-2.2	0.8	-1.3	0.2
	Feb	0.7	8.0	-0.3	-0.5	1.5	8.5	-2.3	-0.7	0.8	-0.7	3.7
	Mar	0.6	4.5	-	1.3	-0.3	2.4	-2.2	0.9	0.1	-0.3	2.4
	Apr	0.8	0.7	0.6	3.8	-0.6	-2.8	-1.1	1.8	0.4	0.7	0.8
	May	0.5	-0.6	0.6	2.8	-1.2	-3.1	0.8	2.2	-	0.5	0.2
	Jun	0.8	2.2	0.8	-2.9	2.6	1.1	0.5	2.6	0.3	0.4	-0.5
	Jul	0.9	3.6	0.8	-6.5	6.0	4.1	1.3	1.7	0.7	0.4	-0.7
	Aug	1.0	2.9	1.1	-8.5	7.7	3.3	0.6	0.2	1.7	1.2	-1.7
	Sep	0.6	0.6	0.8	-5.9	4.6	1.8	0.4	-1.2	1.8	1.1	-1.5
	Oct	0.1	-1.0 ^T	0.5	-3.2	1.5	-0.6 ^T	-1.9 ^T	-1.9 ^T	0.9 ^T	1.7	-2.0
	Nov	0.3	-1.4	0.6	0.8	-	-2.0	-1.3	-0.9	1.1	1.7	-1.5

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

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

IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2010 = 100

Section	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	108.7	20.7	54.6	16.6	41.8	63.7
	K22B	K22P	K22T	K22X	K22Z	K239
2008	98.0	107.1	108.4	108.7	121.1	101.4
2009	95.9	97.0	100.5	102.2	103.5	107.7
2010	100.0	100.0	100.0	100.0	100.0	100.0
2011	105.3	101.9	94.0	101.9	105.7	86.5
2012	102.1	98.9	88.7	91.9	98.7	81.2
2012 Q3	102.8	97.7	88.0	89.8	96.9	81.2
Q4	100.4	97.7	86.2	79.4	97.5	78.6
2013 Q1	101.3	95.7	91.0	91.7	97.2	76.6
Q2	101.3	94.3	91.5	91.4	98.7	83.8
Q3	101.9	96.4	91.8	87.8	97.6	77.6
2012 Sep	102.7	97.4	86.9	89.5	95.5	82.8
Oct	100.7	99.0	87.1	73.5	96.1	78.5
Nov	99.7	96.8	86.6	81.9	96.0	78.6
Dec	100.9	97.2	84.9	82.8	100.5	78.6
2013 Jan	101.9	97.4	88.6	93.6	96.6	76.9
Feb	101.4	95.6	91.0	90.4	96.6	75.7
Mar	100.5	94.1	93.4	91.2	98.2	77.2
Apr	99.7	93.4	90.8	93.2	97.0	86.9
May	101.8	94.3	91.6	88.4	99.1	81.8
Jun	102.4	95.1	92.1	92.7	100.0	82.7
Jul	104.0	94.9	91.4	89.5	96.8	78.8
Aug	101.3	97.5	91.7	90.2	98.1	73.5
Sep	100.5	96.8	92.4	83.8	98.1	80.6
Oct	99.6 †	97.4 †	91.1 †	81.8 †	98.6 †	80.5 †
Nov	100.6	98.5	90.1	83.3	99.1	79.2

Percentage change, latest year on previous year

2008	-2.3	0.3	-3.9	-1.4	-0.3	1.8
2009	-2.2	-9.5	-7.3	-6.0	-14.5	6.1
2010	4.3	3.1	-0.5	-2.1	-3.4	-7.1
2011	5.3	1.9	-6.0	1.9	5.7	-13.5
2012	-3.0	-2.9	-5.6	-9.8	-6.6	-6.1

Percentage change, latest month on same month a year ago

2011 Sep	2.4	-0.1	-3.0	-1.2	7.2	-19.5
Oct	0.5	-1.9	-2.7	-5.6	7.5	-20.4
Nov	-	-2.2	-5.0	-4.2	2.6	-13.0
Dec	0.5	-	-2.9	-1.2	6.2	-8.5
2012 Jan	-0.6	1.0	-1.8	-5.7	-4.9	-1.6
Feb	-3.4	-3.1	-0.8	3.4	-6.4	-0.4
Mar	-4.3	-5.2	-1.6	4.4	-3.4	-1.3
Apr	-6.4	-3.4	-1.4	-8.4	-9.1	-4.8
May	-2.9	-0.8	-3.7	-5.1	-3.5	-17.4
Jun	-2.3	-7.9	-12.3	-8.3	-5.3	-14.2
Jul	-2.8	-5.2	-7.8	-10.0	-6.8	-7.1
Aug	-1.8	0.4	-5.8	-10.8	-10.3	-8.3
Sep	-0.9	-2.7	-7.4	-10.8	-10.5	-0.7
Oct	-2.0	-1.3	-8.0	-27.7	-8.7	-4.9
Nov	-4.1	-2.5	-6.3	-19.4	-6.8	-5.7
Dec	-4.4	-3.9	-10.2	-18.6	-2.9	-6.0
2013 Jan	-1.3	-6.0	-5.0	-6.7	-3.5	-13.0
Feb	-1.1	-2.4	-1.7	-14.1	-2.1	-13.7
Mar	-2.5	-5.1	2.6	-7.8	-3.0	-10.2
Apr	-1.4	-6.9	-0.5	-5.6	-3.1	7.4
May	-1.7	-8.3	1.4	-10.4	-2.5	8.3
Jun	-0.2	-1.8	10.7	-0.4	0.3	8.0
Jul	1.1	-2.5	2.9	-1.7	-2.6	-1.8
Aug	-1.6	-1.1	4.0	1.6	2.3	-8.6
Sep	-2.2	-0.6	6.3	-6.4	2.7	-2.7
Oct	-1.1 †	-1.7 †	4.7 †	11.3 †	2.7 †	2.5 †
Nov	0.9	1.8	4.0	1.6	3.2	0.8

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IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2010 = 100

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 not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	56.6	76.7	43.4	21.1	49.8	76.8	53.6
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2008	117.0	116.8	112.0	116.9	105.3	97.3	102.5
2009	100.3	93.9	106.6	90.8	83.8	82.5	96.9
2010	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2011	100.0	102.3	99.4	95.7	108.8	109.7	105.4
2012	96.0	104.3	99.0	106.2	110.4	115.7	98.9
2012 Q3	95.4	106.5	99.0	108.7	110.4	116.6	100.3
Q4	94.5	103.0	101.5	103.7	108.3	117.3	97.7
2013 Q1	90.7	102.2	99.2	100.3	96.7	121.6	103.8
Q2	91.7	100.8	98.3	103.8	96.1	123.5	102.8
Q3	94.2	102.8	95.9	100.4	98.7	129.0	107.6
2012 Sep	95.4	106.4	100.2	109.0	107.1	115.5	100.3
Oct	93.0	105.6	102.9	106.9	104.6	114.7	98.3
Nov	95.8	101.9	100.2	99.1	107.1	118.3	97.3
Dec	94.7	101.4	101.3	105.3	113.4	118.9	97.6
2013 Jan	89.4	99.9	100.9	99.3	93.7	119.2	105.4
Feb	91.3	101.8	96.1	99.8	96.5	121.9	104.6
Mar	91.3	105.0	100.7	101.9	99.9	123.6	101.5
Apr	90.0	103.7	99.9	100.1	97.0	121.0	102.9
May	91.9	98.6	96.2	103.0	94.8	121.7	101.6
Jun	93.2	100.1	98.8	108.1	96.3	127.7	103.9
Jul	94.2	99.4	100.3	100.1	99.8	129.0	108.2
Aug	94.2	103.8	92.5	101.0	98.6	126.8	106.5
Sep	94.1	105.2	94.9	100.0	97.6	131.2	107.9
Oct	95.3 †	104.1 †	94.7 †	100.8 †	101.4 †	133.6 †	107.4 †
Nov	97.3	104.5	93.8	101.3	99.7	132.8	107.4
Percentage change, latest year on previous year							
2008	-4.7	-4.3	-6.1	-2.2	-0.6	-3.3	-3.4
2009	-14.3	-19.6	-4.9	-22.3	-20.5	-15.2	-5.5
2010	-0.3	6.5	-6.2	10.1	19.4	21.2	3.2
2011	-	2.3	-0.6	-4.3	8.8	9.7	5.4
2012	-4.0	1.9	-0.5	10.9	1.5	5.4	-6.2
Percentage change, latest month on same month a year ago							
2011 Sep	0.3	-	-2.1	-10.1	7.4	10.4	8.1
Oct	-0.4	-1.3	-2.6	-12.6	5.1	7.3	4.0
Nov	-1.7	-4.0	-0.2	-12.5	2.7	7.5	7.9
Dec	2.5	-2.6	-2.8	-12.3	4.8	11.8	6.0
2012 Jan	-3.7	1.9	-2.8	-0.8	4.6	10.0	-0.5
Feb	-4.3	1.2	-7.2	6.9	1.1	3.0	-4.3
Mar	-3.3	1.7	-5.1	7.7	4.3	5.8	-6.6
Apr	-1.1	3.4	1.0	16.4	8.1	7.1	-11.4
May	1.0	2.5	0.7	16.3	3.2	9.1	-9.4
Jun	-7.2	-4.5	-11.1	7.8	4.9	7.4	-6.6
Jul	-4.1	3.3	-3.4	13.2	5.8	11.4	-4.8
Aug	-5.4	4.6	-0.2	16.6	1.1	5.2	-5.3
Sep	-5.5	3.1	5.3	16.9	-4.5	1.0	-5.1
Oct	-7.9	4.2	8.4	15.6	-7.4	1.6	-3.6
Nov	-4.4	2.4	5.0	5.5	-3.9	3.8	-8.8
Dec	-2.5	-0.8	6.0	10.9	2.1	0.8	-7.3
2013 Jan	-8.8	-4.4	3.5	-4.0	-15.1	3.0	2.6
Feb	-5.8	-2.5	-0.4	-5.8	-10.6	9.5	5.3
Mar	-6.1	1.1	3.2	-3.4	-9.2	7.2	2.7
Apr	-7.2	-	-0.2	-8.5	-13.7	7.1	8.8
May	-8.8	-7.3	-3.1	-4.9	-16.6	4.0	3.9
Jun	1.0	-0.1	3.8	4.0	-15.6	11.8	4.1
Jul	-1.7	-6.3	1.8	-8.0	-12.3	6.6	8.3
Aug	-0.7	-2.9	-5.8	-6.8	-10.6	11.8	5.9
Sep	-1.4	-1.1	-5.3	-8.2	-8.9	13.6	7.7
Oct	2.5 †	-1.4 †	-8.0 †	-5.7 †	-3.0 †	16.6 †	9.2 †
Nov	1.6	2.6	-6.4	2.2	-6.9	12.3	10.5

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IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2010 = 100

Section	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	108.7	20.7	54.6	16.6	41.8	63.7
	K22B	K22P	K22T	K22X	K22Z	K239
Percentage change, latest month on previous month						
2011 Sep	-1.1	2.0	0.3	0.9	-0.1	-4.9
Oct	-0.9	0.2	0.8	1.2	-1.5	-1.0
Nov	1.2	-1.0	-2.3	0.1	-2.1	1.0
Dec	1.6	1.9	2.2	-	0.5	0.4
2012 Jan	-2.2	2.4	-1.3	-1.4	-3.2	5.7
Feb	-0.7	-5.4	-0.7	5.0	-1.4	-0.7
Mar	0.7	1.2	-1.7	-6.0	2.5	-2.0
Apr	-2.0	1.2	0.2	-0.2	-1.1	-5.9
May	2.4	2.6	-0.9	-0.2	1.5	-6.7
Jun	-0.9	-5.8	-8.0	-5.5	-1.9	1.4
Jul	0.2	0.4	6.8	-2.2	-0.4	4.8
Aug	0.1	1.3	-0.8	-2.5	-3.6	0.2
Sep	-0.2	-1.2	-1.4	0.9	-0.3	3.0
Oct	-1.9	1.7	0.1	-18.0	0.6	-5.1
Nov	-1.0	-2.2	-0.5	11.5	-	0.1
Dec	1.2	0.4	-2.0	1.0	4.6	-
2013 Jan	1.0	0.2	4.4	13.1	-3.8	-2.2
Feb	-0.5	-1.8	2.7	-3.4	-	-1.5
Mar	-0.8	-1.6	2.6	0.9	1.6	2.0
Apr	-0.9	-0.7	-2.8	2.2	-1.2	12.5
May	2.1	1.0	1.0	-5.2	2.2	-5.9
Jun	0.6	0.9	0.5	4.9	0.9	1.2
Jul	1.5	-0.3	-0.7	-3.5	-3.3	-4.7
Aug	-2.6	2.7	0.3	0.8	1.3	-6.7
Sep	-0.8	-0.8	0.8	-7.1	-	9.6
Oct	-0.8 [†]	0.6 [†]	-1.3 [†]	-2.4 [†]	0.6 [†]	-0.1 [†]
Nov	0.9	1.2	-1.2	1.8	0.4	-1.6
Percentage change, latest 3 months on same 3 months a year ago						
2011 Sep	4.8	-2.5	-3.8	-1.6	8.3	-16.1
Oct	2.0	-1.9	-3.5	-2.9	8.5	-18.3
Nov	0.9	-1.4	-3.6	-3.7	5.7	-17.7
Dec	0.3	-1.4	-3.5	-3.7	5.4	-14.2
2012 Jan	-	-0.4	-3.2	-3.7	1.2	-7.8
Feb	-1.2	-0.7	-1.8	-1.2	-1.9	-3.6
Mar	-2.8	-2.4	-1.4	0.5	-4.9	-1.1
Apr	-4.7	-3.9	-1.3	-0.5	-6.4	-2.2
May	-4.5	-3.1	-2.3	-3.3	-5.4	-8.0
Jun	-3.9	-4.1	-5.8	-7.3	-6.0	-12.3
Jul	-2.7	-4.6	-7.9	-7.8	-5.2	-13.0
Aug	-2.3	-4.3	-8.7	-9.7	-7.5	-9.9
Sep	-1.9	-2.5	-7.0	-10.5	-9.2	-5.4
Oct	-1.6	-1.2	-7.1	-16.5	-9.8	-4.7
Nov	-2.3	-2.2	-7.3	-19.3	-8.7	-3.8
Dec	-3.5	-2.6	-8.2	-21.9	-6.1	-5.5
2013 Jan	-3.3	-4.2	-7.2	-15.0	-4.4	-8.4
Feb	-2.3	-4.2	-5.7	-13.2	-2.8	-11.0
Mar	-1.6	-4.5	-1.4	-9.6	-2.9	-12.3
Apr	-1.7	-4.8	0.1	-9.3	-2.7	-5.8
May	-1.9	-6.8	1.1	-7.9	-2.9	1.4
Jun	-1.1	-5.7	3.7	-5.5	-1.8	7.9
Jul	-0.2	-4.3	4.8	-4.3	-1.6	4.7
Aug	-0.2	-1.8	5.8	-0.2	-	-0.9
Sep	-0.9	-1.4	4.4	-2.2	0.7	-4.4
Oct	-1.6 [†]	-1.1 [†]	5.0	1.6 [†]	2.5 [†]	-3.0 [†]
Nov	-0.8	-0.2	5.0	1.6	2.8	0.1

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

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2010 = 100

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 not elsewhere classified	Transport equipment	Other manufacturing and repair	
	CG	CH	CI	CJ	CK	CL	CM	
Latest weight	56.6	76.7	43.4	21.1	49.8	76.8	53.6	
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z	
Percentage change, latest month on previous month								
2011	Sep	0.6	0.9	-3.3	0.3	2.8	6.1	-0.7
	Oct	-	-1.7	-0.2	-0.8	0.7	-1.3	-3.5
	Nov	-0.7	-1.9	0.5	1.5	-1.4	1.0	4.6
	Dec	-3.1	2.9	0.1	1.1	-0.3	3.5	-1.4
2012	Jan	0.9	2.2	2.0	8.9	-0.7	-1.9	-2.4
	Feb	-1.2	-0.1	-1.1	2.5	-2.3	-3.7	-3.3
	Mar	0.3	-0.5	1.1	-0.4	1.9	3.5	-0.5
	Apr	-0.2	-0.3	2.5	3.7	2.3	-2.0	-4.3
	May	3.8	2.6	-0.8	-1.0	1.0	3.6	3.3
	Jun	-8.4	-5.8	-4.1	-4.0	0.5	-2.4	2.0
	Jul	3.8	5.8	3.6	4.6	-0.4	6.0	0.2
	Aug	-1.0	0.8	-0.3	-0.3	-3.0	-6.3	0.6
	Sep	0.5	-0.5	2.0	0.5	-2.9	1.8	-0.4
	Oct	-2.5	-0.7	2.8	-1.9	-2.4	-0.7	-2.0
	Nov	3.0	-3.6	-2.7	-7.3	2.4	3.2	-1.0
	Dec	-1.2	-0.4	1.1	6.2	5.9	0.5	0.3
2013	Jan	-5.6	-1.5	-0.4	-5.7	-17.3	0.3	8.0
	Feb	2.1	1.9	-4.8	0.5	2.9	2.3	-0.7
	Mar	-	3.2	4.8	2.2	3.5	1.3	-3.0
	Apr	-1.4	-1.3	-0.8	-1.8	-2.8	-2.1	1.4
	May	2.1	-4.9	-3.7	2.9	-2.3	0.6	-1.3
	Jun	1.4	1.5	2.7	5.0	1.6	4.9	2.3
	Jul	1.1	-0.7	1.6	-7.5	3.6	1.0	4.2
	Aug	-	4.3	-7.8	0.9	-1.2	-1.7	-1.6
	Sep	-0.2	1.4	2.5	-1.0	-1.0	3.5	1.3
	Oct	1.3 †	-1.1 †	-0.2 †	0.8 †	3.9 †	1.8 †	-0.5 †
	Nov	2.1	0.4	-0.9	0.5	-1.7	-0.6	0.1
Percentage change, latest 3 months on same 3 months a year ago								
2011	Sep	-0.6	0.7	-0.5	-9.4	6.7	8.6	5.3
	Oct	-0.4	-0.1	-2.3	-11.2	6.3	7.7	5.9
	Nov	-0.6	-1.8	-1.6	-11.7	5.0	8.4	6.6
	Dec	0.1	-2.6	-1.8	-12.4	4.2	8.9	5.9
2012	Jan	-1.1	-1.6	-1.9	-8.6	4.0	9.8	4.4
	Feb	-1.9	0.1	-4.3	-2.3	3.5	8.2	0.3
	Mar	-3.8	1.6	-5.0	4.5	3.3	6.3	-3.8
	Apr	-2.9	2.1	-3.8	10.2	4.5	5.3	-7.5
	May	-1.1	2.5	-1.2	13.4	5.2	7.3	-9.1
	Jun	-2.4	0.4	-3.3	13.4	5.3	7.9	-9.1
	Jul	-3.4	0.4	-4.8	12.4	4.6	9.3	-7.0
	Aug	-5.6	1.1	-5.1	12.5	3.9	8.0	-5.6
	Sep	-5.0	3.7	0.5	15.5	0.7	5.8	-5.1
	Oct	-6.3	4.0	4.5	16.4	-3.7	2.6	-4.7
	Nov	-5.9	3.3	6.2	12.6	-5.3	2.2	-5.9
	Dec	-5.0	1.9	6.5	10.6	-3.1	2.1	-6.6
2013	Jan	-5.3	-1.0	4.8	3.9	-5.6	2.5	-4.6
	Feb	-5.7	-2.6	3.0	-	-7.8	4.3	0.1
	Mar	-6.9	-1.9	2.1	-4.4	-11.6	6.5	3.5
	Apr	-6.4	-0.5	0.9	-5.9	-11.2	7.9	5.5
	May	-7.4	-2.1	-	-5.6	-13.2	6.1	5.1
	Jun	-5.2	-2.5	0.1	-3.3	-15.3	7.6	5.5
	Jul	-3.3	-4.6	0.8	-3.1	-14.8	7.4	5.4
	Aug	-0.5	-3.1	-0.1	-3.7	-12.9	10.0	6.1
	Sep	-1.3	-3.4	-3.1	-7.7	-10.6	10.6	7.3
	Oct	0.1 †	-1.8 †	-6.4 †	-6.9 †	-7.6 †	14.0 †	7.6 †
	Nov	0.9	-	-6.6	-4.1	-6.3	14.1	9.1

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IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2010 = 100

Section	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	108.7	20.7	54.6	16.6	41.8	63.7
	K22B	K22P	K22T	K22X	K22Z	K239
Percentage change, latest 3 months on previous 3 months						
2011 Sep	-1.6	-3.8	1.0	-3.9	-0.2	-3.1
Oct	-2.0	-4.2	-1.0	-1.7	0.5	-5.1
Nov	-1.7	-2.1	-1.3	0.5	-1.2	-5.3
Dec	-0.7	-	-0.8	1.3	-2.7	-3.1
2012 Jan	0.5	1.8	-0.7	0.7	-3.8	0.7
Feb	0.3	1.0	-0.2	1.2	-4.0	4.2
Mar	-1.1	-	-1.6	-0.2	-3.7	5.0
Apr	-1.9	-2.2	-1.9	-0.2	-2.1	-0.3
May	-1.1	-0.1	-2.8	-3.6	0.2	-6.7
Jun	-0.5	-0.2	-4.4	-4.6	0.5	-11.1
Jul	0.7	-0.1	-4.6	-6.7	0.3	-8.8
Aug	0.2	-3.2	-4.6	-7.9	-2.6	-2.1
Sep	0.4	-2.3	-0.3	-7.3	-3.6	4.5
Oct	-0.9	-0.7	-0.1	-11.0	-4.4	4.0
Nov	-1.7	0.1	0.2	-10.2	-2.5	1.1
Dec	-2.3	-0.1	-2.0	-11.6	0.6	-3.2
2013 Jan	-1.3	-1.2	-0.8	2.6	2.0	-3.2
Feb	0.4	-1.0	1.5	8.9	2.1	-3.7
Mar	0.9	-2.0	5.6	15.6	-0.4	-2.5
Apr	-0.3	-2.8	5.8	6.4	-0.4	2.5
May	-0.7	-2.9	4.3	2.3	0.2	6.4
Jun	-	-1.5	0.5	-0.3	1.6	9.4
Jul	2.2	0.4	-	-1.5	1.4	1.5
Aug	1.9	2.0	-0.2	-0.1	0.2	-4.4
Sep	0.6	2.2	0.4	-4.0	-1.1	-7.4
Oct	-2.2 [†]	2.6 [†]	- [†]	-5.5 [†]	-0.4 [†]	-3.6 [†]
Nov	-2.3	1.8	-0.6	-8.7	0.3	2.2

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 2010 = 100

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 not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	56.6	76.7	43.4	21.1	49.8	76.8	53.6
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
Percentage change, latest 3 months on previous 3 months							
2011							
Sep	1.3	-0.2	-3.0	-0.5	1.8	3.6	-1.4
Oct	1.0	-1.5	-6.3	-2.4	2.4	3.9	-1.8
Nov	0.8	-1.9	-7.1	-2.1	3.4	5.7	-1.2
Dec	-1.0	-1.6	-3.3	-0.3	2.0	4.2	-1.0
2012							
Jan	-2.2	-0.2	-	4.8	-0.4	3.8	0.2
Feb	-3.3	2.4	1.4	8.8	-2.2	1.2	-2.2
Mar	-2.1	3.2	2.0	11.9	-2.2	-0.7	-4.1
Apr	-1.4	1.8	1.9	9.8	-0.8	-2.3	-6.9
May	1.0	0.8	2.5	6.3	2.0	0.1	-5.2
Jun	-0.7	-0.8	1.0	2.2	3.7	0.5	-2.9
Jul	-0.8	0.2	-0.4	0.1	3.4	3.7	1.6
Aug	-4.1	-0.2	-1.7	-0.7	0.6	1.0	3.1
Sep	-1.4	3.0	0.8	1.4	-2.7	1.6	3.0
Oct	-1.9	2.0	2.8	1.0	-5.7	-2.5	0.5
Nov	0.4	0.2	3.9	-1.9	-5.8	-0.1	-1.5
Dec	-0.9	-3.3	2.5	-4.6	-1.9	0.5	-2.6
2013							
Jan	-1.2	-4.9	0.3	-6.4	-2.4	3.7	0.3
Feb	-3.1	-3.4	-1.6	-3.4	-4.8	3.3	4.0
Mar	-4.0	-0.7	-2.2	-3.3	-10.8	3.7	6.3
Apr	-2.6	2.4	-1.9	-0.6	-6.6	2.8	2.9
May	-0.8	1.4	-0.5	0.3	-3.9	1.7	-0.5
Jun	1.1	-1.4	-1.0	3.4	-0.6	1.6	-1.0
Jul	2.4	-3.9	-0.5	3.1	-0.8	3.2	1.5
Aug	3.0	-1.3	-1.7	1.3	1.0	4.7	4.1
Sep	2.7	2.0	-2.4	-3.3	2.7	4.5	4.6
Oct	1.5 [†]	5.0 [†]	-4.5 [†]	-3.0 [†]	2.3 [†]	3.5 [†]	2.6 [†]
Nov	1.8	3.5	-2.8	-2.3	1.4	3.7	1.3

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

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

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
Page 2	Percentage change, latest month on previous month Percentage change, latest 3 months on same 3 months a year ago
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Enquiries	

IOP5R

Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2010 = 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	MIG-CND	MIG-CAG	MIG-IG	MG-NRG
Latest weight	1 000.0	150.6	684.3	85.6	79.5	124.0	57.2	207.6	214.8	256.4	248.5
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2008	-	-	-	-	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-	-
2012 Q3	-	-	-	-	-	-	-	-	-	-	-
2012 Q4	-	-	-	-	-	-	-	-	-	-	-
2013 Q1	-	-	-	-	-	-	-	-	-	-	-
2013 Q2	-	-	-	-	-	-	-	-	-	-	-
2013 Q3	-	-	-	-	-	-	-	-	-	-	-
2012 Aug	-	-	-	-	-	-	-	-	-	-	-
2012 Sep	-	-	-	-	-	-	-	-	-	-	-
2012 Oct	-	-	-	-	-	-	-	-	-	-	-
2012 Nov	-	-	-	-	-	-	-	-	-	-	-
2012 Dec	-	-	-	-	-	-	-	-	-	-	-
2013 Jan	-	-	-	-	-	-	-	-	-	-	-
2013 Feb	-	-	-	-	-	-	-	-	-	-	-
2013 Mar	-	-	-	-	-	-	-	-	-	-	-
2013 Apr	-	-	-	-	-	-	-	-	-	-	-
2013 May	-	-	-	-	-	-	-	-	-	-	-
2013 Jun	-	-	-	-	-	-	-	-	-	-	-
2013 Jul	-	-	-	-	-	-	-	-	-	-	-
2013 Aug	-	-	-	-	-	-	-	-	-	-	-
2013 Sep	-	-	-	-	-	-	-	-	-	-	-
2013 Oct	-0.1	-0.1	-0.1	0.2	0.1	-0.2	-0.3	0.5	-0.7	-	-0.1

Percentage change, latest year on previous year

2008	-	-	-	-	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-	-

Percentage change, latest month on same month a year ago

2011 Aug	-	-	-	-	-	-	-	-	-	-	-
2011 Sep	-	-	-	-	-	-	-	-	-	-	-
2011 Oct	-	-	-	-	-	-	-	-	-	-	-
2011 Nov	-	-	-	-	-	-	-	-	-	-	-
2011 Dec	-	-	-	-	-	-	-	-	-	-	-
2012 Jan	-	-	-	-	-	-	-	-	-	-	-
2012 Feb	-	-	-	-	-	-	-	-	-	-	-
2012 Mar	-	-	-	-	-	-	-	-	-	-	-
2012 Apr	-	-	-	-	-	-	-	-	-	-	-
2012 May	-	-	-	-	-	-	-	-	-	-	-
2012 Jun	-	-	-	-	-	-	-	-	-	-	-
2012 Jul	-	-	-	-	-	-	-	-	-	-	-
2012 Aug	-	-	-	-	-	-	-	-	-	-	-
2012 Sep	-	-	-	-	-	-	-	-	-	-	-
2012 Oct	-	-	-	-	-	-	-	-	-	-	-
2012 Nov	-	-	-	-	-	-	-	-	-	-	-
2012 Dec	-	-	-	-	-	-	-	-	-	-	-
2013 Jan	-	-	-	-	-	-	-	-	-	-	-
2013 Feb	-	-	-	-	-	-	-	-	-	-	-
2013 Mar	-	-	-	-	-	-	-	-	-	-	-
2013 Apr	-	-	-	-	-	-	-	-	-	-	-
2013 May	-	-	-	-	-	-	-	-	-	-	-
2013 Jun	-	-	-	-	-	-	-	-	-	-	-
2013 Jul	-	-	-	-	-	-	-	-	-	-	-
2013 Aug	-	-	-	-	-	-	-	-	-	-	-
2013 Sep	-	-	-	-	-	-	-	-	-	-	-
2013 Oct	-	-0.2	-0.1	0.2	0.1	-0.4	-0.2	0.6	-0.6	-0.1	-0.1

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.

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	MIG-CND	MIG-CAG	MIG-IG	MG-NRG
Latest weight	1 000.0	150.6	684.3	85.6	79.5	124.0	57.2	207.6	214.8	256.4	248.5
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
Percentage change, latest month on previous month											
2011	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2012	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2013	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-0.1	-0.1	-0.2	0.2	-	-0.3	-0.2	0.6	-0.6	-0.1
Percentage change, latest 3 months on same 3 months a year ago											
2011	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2012	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2013	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-0.1	-	0.1	-	-0.1	-	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.

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

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

Seasonally adjusted 2010 = 100

Seasonally adjusted 2010 = 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	MIG-CND	MIG-CAG	MIG-IG	MG-NRG
Latest weight	1 000.0	150.6	684.3	85.6	79.5	124.0	57.2	207.6	214.8	256.4	248.5
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
Percentage change, latest 3 months on previous 3 months											
2011	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2012	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2013	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-0.1	-	-	-	-0.1	-0.1	0.2	-0.2	-

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.

Section	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	108.7	20.7	54.6	16.6	41.8	63.7
	K22B	K22P	K22T	K22X	K22Z	K239
2008	-	-	-	-	-	-
2009	-	-	-	-	-	-
2010	-	-	-	-	-	-
2011	-	-	-	-	-	-
2012	-	-	-	-	-	-
2012 Q3	-	-	-	-	-	-
Q4	-	-	-	-	-	-
2013 Q1	-	-	-	-	-	-
Q2	-	-	-	-	-	-
Q3	-	-	-	-	-	-
2012 Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2013 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	0.5	1.1	-0.2	-0.8	0.3	0.8

Percentage change, latest year on previous year

2008	-	-	-	-	-	-
2009	-	-	-	-	-	-
2010	-	-	-	-	-	-
2011	-	-	-	-	-	-
2012	-	-	-	-	-	-

Percentage change, latest month on same month a year ago

2011 Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2012 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2013 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	0.5	1.0	-0.2	-1.2	0.3	1.1

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.

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 not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	56.6	76.7	43.4	21.1	49.8	76.8	53.6
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2008	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-
2012 Q3	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-
2013 Q1	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-
2012 Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2013 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-0.2	-0.6	-0.4	0.2	-0.2	-0.3	-1.8

Percentage change, latest year on previous year

2008	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-

Percentage change, latest month on same month a year ago

2011 Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2012 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2013 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-0.2	-0.6	-0.4	0.2	-0.1	-0.2	-1.9

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.

Section	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	108.7	20.7	54.6	16.6	41.8	63.7
	K22B	K22P	K22T	K22X	K22Z	K239

Percentage change, latest month on previous month

2011 Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2012 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2013 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	0.6	1.1	-0.1	-1.0	0.3	1.0

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

2011 Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2012 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2013 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	0.2	0.4	-	-0.3	0.1	0.3

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

Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2010 = 100

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 not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	56.6	76.7	43.4	21.1	49.8	76.8	53.6
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

Percentage change, latest month on previous month

2011 Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2012 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2013 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-0.2	-0.6	-0.4	0.2	-0.1	-0.2	-1.6

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

2011 Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2012 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2013 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-0.1	-0.2	-0.1	0.1	-0.1	-0.1	-0.6

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

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	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
Section	CA	CB	CC	CD	CE	CF
Latest weight	108.7	20.7	54.6	16.6	41.8	63.7
	K22B	K22P	K22T	K22X	K22Z	K239
Percentage change, latest 3 months on previous 3 months						
2011 Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2012 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2013 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	0.2	0.4	-0.1	-0.3	0.1	0.3

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	CG	CH	CI	CJ	CK	CL	CM
Latest weight	56.6	76.7	43.4	21.1	49.8	76.8	53.6
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

Percentage change, latest 3 months on previous 3 months

2011	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2012	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2013	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-0.1	-0.2	-0.2	0.1	-0.1	-0.1	-0.6

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