



## INDUSTRIAL PRODUCER PRICE INDEX, JULY 2023

### Producer prices of industrial products (total)

In July 2023, producer prices of industrial products for total industry increased by 0.7% compared to June 2023, while they increased by 1.9% compared to July 2022.

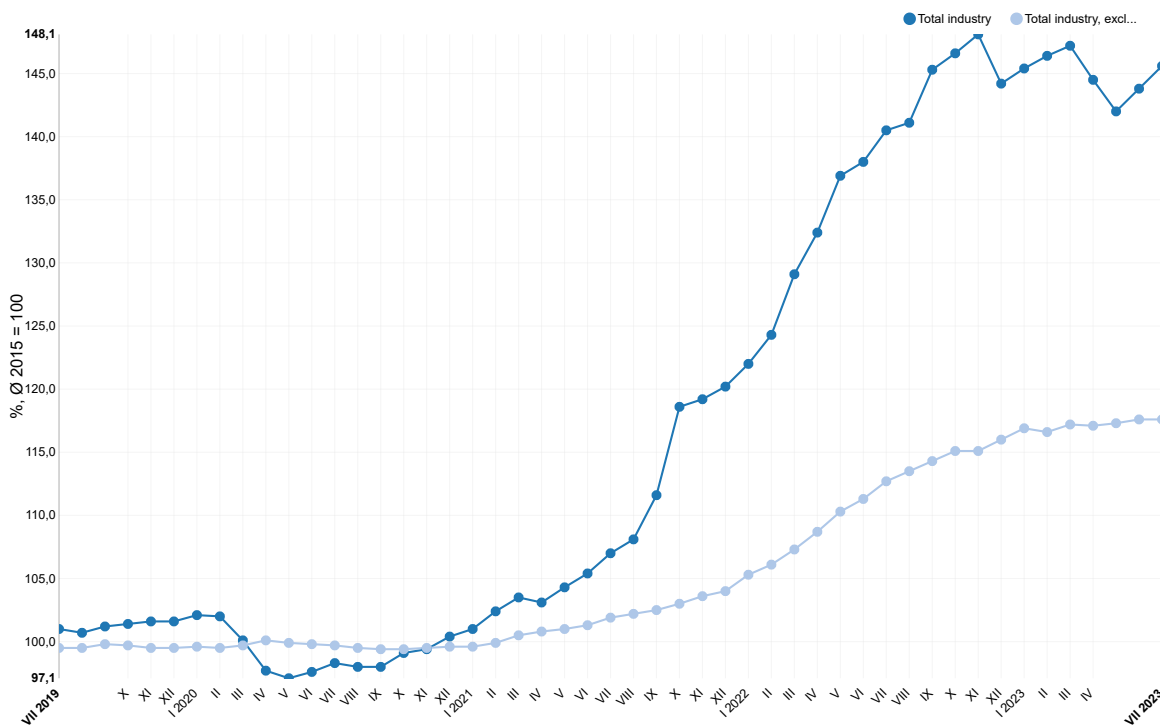
Comparison of producer prices of industrial products for total industry, excluding Energy, shows that they decreased by 0.2% in July 2023 compared to June 2023, while they increased by 3.1% compared to July 2022.

### Producer prices of industrial products on the domestic market (total)

In July 2023, producer prices of industrial products on the domestic market for total industry increased by 1.2% compared to June 2023 and by 3.7% compared to July 2022.

Comparison of producer prices of industrial products on the domestic market for total industry, excluding Energy, shows that in July 2023 they remained stable compared to June 2023, while they increased by 4.3% compared to July 2022.

### G-1 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC MARKET, JULY 2019 – JULY 2023



### Producer prices of industrial products on the non-domestic market (total)

In July 2023, producer prices of industrial products on the non-domestic market for total industry decreased by 0.1% compared to June 2023 and by 0.5% compared to July 2022.

Comparison of producer prices of industrial products on the non-domestic market for total industry, excluding Energy, shows that in July 2023 they decreased by 0.3% compared to June 2023, while they increased by 1.9% compared to July 2022.

### Producer prices of industrial products on the non-domestic market for total industry for the euro area and the non-euro area

In July 2023, producer prices of industrial products on the non-domestic market for total industry for the euro area decreased by 0.6% compared to June 2023.

In July 2023, producer prices of industrial products on the non-domestic market for total industry for the non-euro area increased by 0.7% compared to June 2023.

### MIGs 2009 aggregates

#### Producer prices of industrial products (total)

In July 2023, as compared to June 2023, producer prices of industrial products increased in Energy by 4.1% and in Durable consumer goods by 0.6%, they decreased in Capital goods by 0.4% and in Intermediate goods by 0.3%, while they remained stable in Non-durable consumer goods.

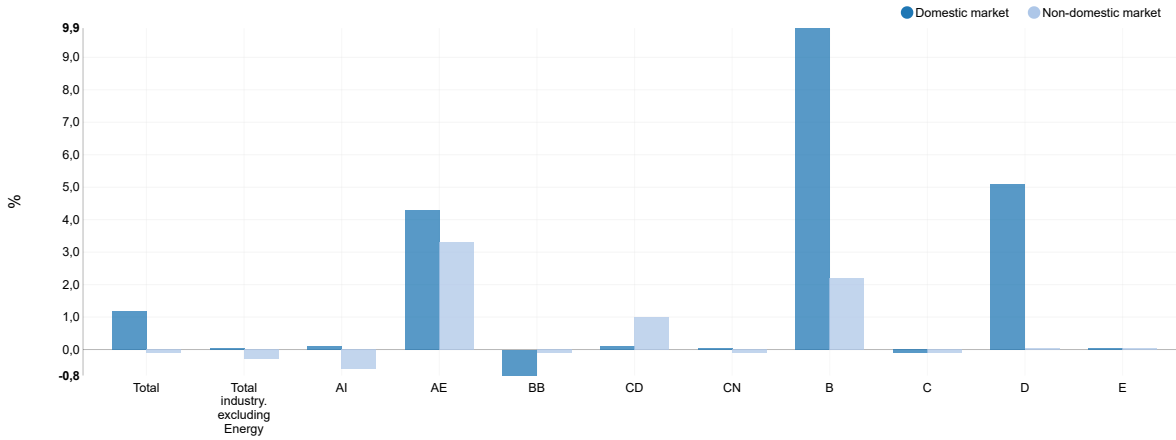
In July 2023, as compared to July 2022, producer prices of industrial products increased in Non-durable consumer goods by 6.6%, in Capital goods by 1.6%, in Durable consumer goods by 0.5% and in Intermediate goods by 0.3%, while they decreased in Energy by 2.5%.

**Producer prices of industrial products on the domestic market**

In July 2023, as compared to June 2023, producer prices of industrial products increased in Energy by 4.3%, in Intermediate goods by 0.1% and in Durable consumer goods by 0.1%, they decreased in Capital goods by 0.8% while they remained stable in Non-durable consumer goods.

In July 2023, as compared to July 2022, producer prices increased in Non-durable consumer goods by 7.4%, in Durable consumer goods by 5.3%, in Energy by 2.3%, in Capital goods by 1.3% and in Intermediate goods by 1.1%.

**G-2 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC AND NON-DOMESTIC MARKET, PRICE CHANGES COMPARED WITH PREVIOUS MONTH, JULY 2023**



**MIGs 2009 aggregates**

- AI Intermediate goods
- AE Energy
- BB Capital goods
- CD Durable consumer goods
- CN Non-durable consumer goods

**NKD 2007 sections**

- B Mining and quarrying
- C Manufacturing
- D Electricity, gas, steam and air conditioning supply
- E Water supply; sewerage, waste management and remediation activities

**Producer prices of industrial products on the non-domestic market**

In July 2023, as compared to June 2023, producer prices increased in Energy by 3.3% and in Durable consumer goods by 1.0%, while they decreased in Intermediate goods by 0.6%, in Capital goods by 0.1% and in Non-durable consumer goods by 0.1%.

In July 2023, as compared to July 2022, producer prices increased in Non-durable consumer goods by 5.3% and in Capital goods by 1.8%, while they decreased in Energy by 27.1%, in Durable consumer goods by 2.4% and in Intermediate goods by 0.1%.

**NKD 2007 industrial sections**

**Producer prices of industrial products (total)**

In July 2023, as compared to June 2023, producer prices increased in Mining and quarrying by 9.6% and in Electricity, gas, steam and air conditioning supply by 5.1%, they decreased in Manufacturing by 0.1%, while they remained stable in Water supply; sewerage, waste management and remediation activities (only division 36).

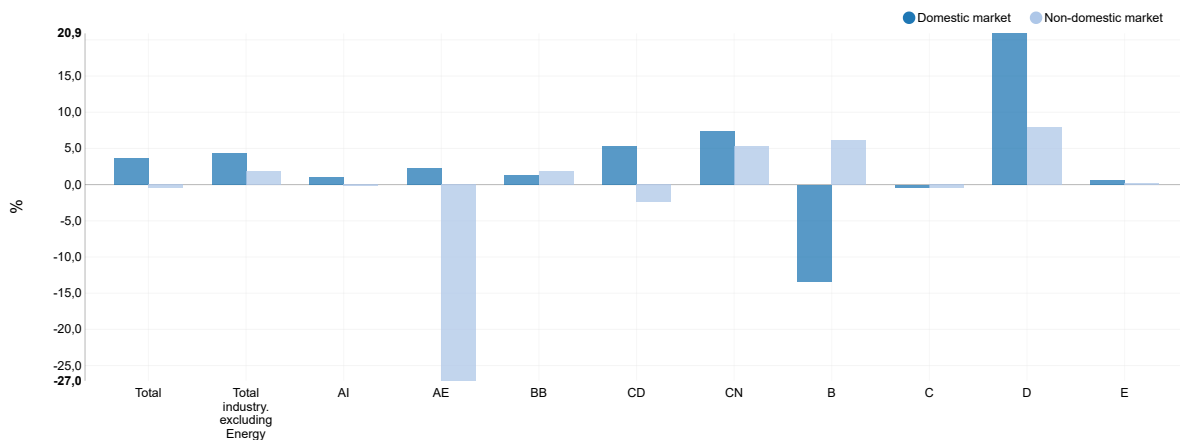
In July 2023, as compared to July 2022, producer prices increased in Electricity, gas, steam and air conditioning supply by 20.9% and in Water supply; sewerage, waste management and remediation activities (only division 36) by 0.6%, while they decreased in Mining and quarrying by 12.7% and in Manufacturing by 0.4%.

**Producer prices of industrial products on the domestic market**

In July 2023, as compared to June 2023, producer prices increased in Mining and quarrying by 9.9% and in Electricity, gas, steam and air conditioning supply by 5.1%, they decreased in Manufacturing by 0.1%, while they remained stable in Water supply; sewerage, waste management and remediation activities (only division 36).

In July 2023, as compared to July 2022, producer prices increased in Electricity, gas, steam and air conditioning supply by 20.9% and in Water supply; sewerage, waste management and remediation activities (only division 36) by 0.6%, while they decreased in Mining and quarrying by 13.4% and in Manufacturing by 0.4%

**G-3 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC AND NON-DOMESTIC MARKET, PRICE CHANGES COMPARED WITH SAME MONTH OF PREVIOUS YEAR, JULY 2023**



**MIGs 2009 aggregates**

- AI Intermediate goods
- AE Energy
- BB Capital goods
- CD Durable consumer goods
- CN Non-durable consumer goods

**NKD 2007 sections**

- B Mining and quarrying
- C Manufacturing
- D Electricity, gas, steam and air conditioning supply
- E Water supply; sewerage, waste management and remediation activities

**Producer prices of industrial products on the non-domestic market**

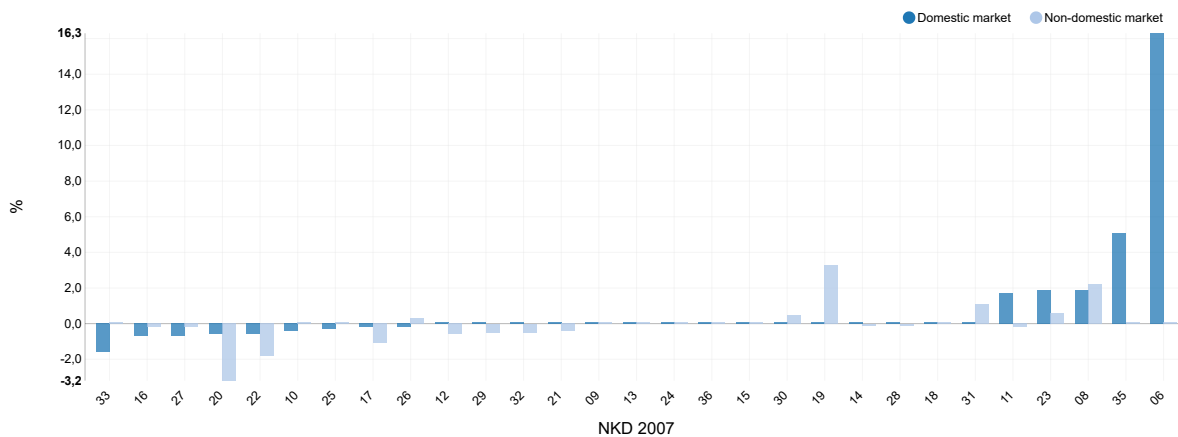
In July 2023, as compared to June 2023, producer prices increased in Mining and quarrying by 2.2%, they decreased in Manufacturing by 0.1%, while they remained stable in Electricity, gas, steam and air conditioning supply.

In July 2023, as compared to July 2022, producer prices increased in Electricity, gas, steam and air conditioning supply by 8.0% and in Mining and quarrying by 6.1%, while they decreased in Manufacturing by 0.5%.

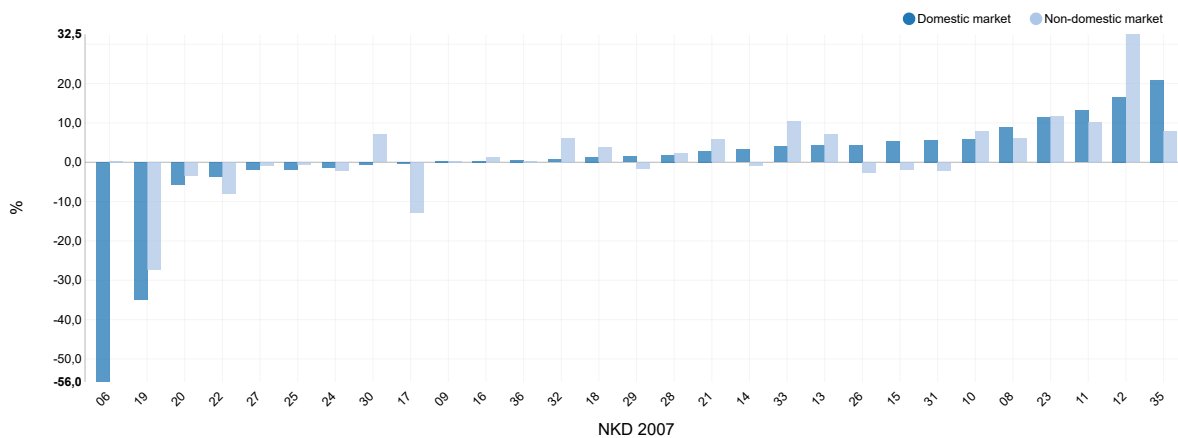
1 INDUSTRIAL PRODUCER PRICE INDICES ON DOMESTIC MARKET, NON-DOMESTIC MARKET AND TOTAL, ACCORDING TO MIGs 2009 AND NKD 2007 SECTIONS AND DIVISIONS, JULY 2023

	Domestic market		Non-domestic market		Total	
	VII 2023 VI 2023	VII 2023 VII 2022	VII 2023 VI 2023	VII 2023 VII 2022	VII 2023 VI 2023	VII 2023 VII 2022
Total industry	101,2	103,7	99,9	99,5	100,7	101,9
Total industry, excluding Energy	100,0	104,3	99,7	101,9	99,8	103,1
<b>According to MIGs 2009</b>						
AI Intermediate goods	100,1	101,1	99,4	99,9	99,7	100,3
AE Energy	104,3	102,3	103,3	72,9	104,1	97,5
BB Capital goods	99,2	101,3	99,9	101,8	99,6	101,6
CD Durable consumer goods	100,1	105,3	101,0	97,6	100,6	100,5
CN Non-durable consumer goods	100,0	107,4	99,9	105,3	100,0	106,6
<b>According to NKD 2007 sections and divisions</b>						
B Mining and quarrying	109,9	86,6	102,2	106,1	109,6	87,3
06 Extraction of crude petroleum and natural gas	116,3	44,2	...	...	116,3	44,2
08 Other mining and quarrying	101,9	108,9	102,2	106,1	101,9	108,6
09 Mining support service activities	100,0	100,0	...	...	100,0	100,0
C Manufacturing	99,9	99,6	99,9	99,5	99,9	99,6
10 Manufacture of food products	99,6	105,9	100,0	108,0	99,7	106,4
11 Manufacture of beverages	101,7	113,1	99,8	110,2	101,3	112,6
12 Manufacture of tobacco products	100,0	116,6	99,4	132,5	99,9	119,2
13 Manufacture of textiles	100,0	104,3	100,0	107,2	100,0	106,5
14 Manufacture of wearing apparel	100,1	103,2	99,9	99,0	99,9	99,8
15 Manufacture of leather and related products	100,0	105,4	100,1	98,1	100,1	99,1
16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	99,3	100,1	99,8	101,2	99,6	100,8
17 Manufacture of paper and paper products	99,8	99,7	98,9	87,2	99,3	93,0
18 Printing and reproduction of recorded media	100,1	101,3	100,0	103,7	100,0	102,3
19 Manufacture of coke and refined petroleum products	100,0	65,1	103,3	72,6	101,4	68,2
20 Manufacture of chemicals and chemical products	99,4	94,2	96,8	96,5	97,9	95,5
21 Manufacture of basic pharmaceutical products and pharmaceutical preparations	100,0	102,9	99,6	105,8	99,6	105,5
22 Manufacture of rubber and plastic products	99,4	96,4	98,2	92,1	98,7	93,9
23 Manufacture of other non-metallic mineral products	101,9	111,5	100,6	111,8	101,2	111,7
24 Manufacture of basic metals	100,0	98,6	100,0	97,9	100,0	98,2
25 Manufacture of fabricated metal products, except machinery and equipment	99,7	98,2	100,0	99,3	99,9	98,8
26 Manufacture of computer, electronic and optical products	99,8	104,4	100,3	97,3	100,1	99,4
27 Manufacture of electrical equipment	99,3	98,0	99,8	99,1	99,7	98,8
28 Manufacture of machinery and equipment n. e. c.	100,1	101,9	99,9	102,2	100,0	102,1
29 Manufacture of motor vehicles, trailers and semi-trailers	100,0	101,5	99,5	98,3	99,6	98,6
30 Manufacture of other transport equipment	100,0	99,3	100,5	107,0	100,3	106,2
31 Manufacture of furniture	100,1	105,6	101,1	97,8	100,7	100,8
32 Other manufacturing	100,0	100,7	99,5	106,2	99,8	102,4
33 Repair and installation of machinery and equipment	98,4	104,0	100,0	110,4	98,7	106,2
D Electricity, gas, steam and air conditioning supply	105,1	120,9	100,0	108,0	105,1	120,9
35 Electricity, gas, steam and air conditioning supply	105,1	120,9	100,0	108,0	105,1	120,9
E Water supply; sewerage, waste management and remediation activities	100,0	100,6	...	...	100,0	100,6
36 Water collection, treatment and supply	100,0	100,6	...	...	100,0	100,6

**G-4 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC AND NON-DOMESTIC MARKET, ACCORDING TO NKD 2007 DIVISIONS, PRICE CHANGES COMPARED WITH PREVIOUS MONTH, JULY 2023**



**G-5 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC AND NON-DOMESTIC MARKET, ACCORDING TO NKD 2007 DIVISIONS, PRICE CHANGES COMPARED WITH SAME MONTH OF PREVIOUS YEAR, JULY 2023**



## NKD 2007 Divisions

- 06 Extraction of crude petroleum and natural gas
- 08 Other mining and quarrying
- 09 Mining support service activities
- 10 Manufacture of food products
- 11 Manufacture of beverages
- 12 Manufacture of tobacco products
- 13 Manufacture of textiles
- 14 Manufacture of wearing apparel
- 15 Manufacture of leather and related products
- 16 Manufacture of wood and of products of wood and cork, except furniture;  
manufacture of articles of straw and plaiting materials
- 17 Manufacture of paper and paper products
- 18 Printing and reproduction of recorded media
- 19 Manufacture of coke and refined petroleum products
- 20 Manufacture of chemicals and chemical products
- 21 Manufacture of basic pharmaceutical products and pharmaceutical preparations
- 22 Manufacture of rubber and plastic products
- 23 Manufacture of other non-metallic mineral products
- 24 Manufacture of basic metals
- 25 Manufacture of fabricated metal products, except machinery and equipment
- 26 Manufacture of computer, electronic and optical products
- 27 Manufacture of electrical equipment
- 28 Manufacture of machinery and equipment n. e. c.
- 29 Manufacture of motor vehicles, trailers and semi-trailers
- 30 Manufacture of other transport equipment
- 31 Manufacture of furniture
- 32 Other manufacturing
- 33 Repair and installation of machinery and equipment
- 35 Electricity, gas, steam and air conditioning supply
- 36 Water collection, treatment and supply

2 INDUSTRIAL PRODUCER PRICE INDICES ON DOMESTIC MARKET, ACCORDING TO MIGs 2009 AND TO NKD 2007 SECTIONS AND DIVISIONS, JULY 2023

	2022	2023						
	XII	I	II	III	IV	V	VI	VII
Total industry	144,2	145,4	146,4	147,2	144,5	142,0	143,8	145,6
Total industry, excluding Energy	116,0	116,9	116,6	117,2	117,1	117,3	117,6	117,6
<b>According to MIGs 2009</b>								
AI Intermediate goods	119,8	121,0	120,8	121,2	120,5	120,0	119,6	119,8
AE Energy	224,5	227,0	233,5	235,1	221,6	207,9	215,6	224,8
BB Capital goods	109,0	109,2	109,0	109,7	109,2	109,1	109,3	108,5
CD Durable consumer goods	114,9	118,2	118,4	118,8	118,8	118,8	118,7	118,8
CN Non-durable consumer goods	116,4	117,0	116,6	117,4	117,9	118,7	119,5	119,5
<b>According to NKD 2007 sections and divisions</b>								
B Mining and quarrying	396,6	401,4	402,4	404,2	404,1	404,5	404,9	444,8
06 Extraction of crude petroleum and natural gas	390,7	390,7	390,7	390,7	390,7	390,7	390,7	454,3
08 Other mining and quarrying	117,3	121,4	122,3	123,8	123,7	124,0	124,4	126,7
09 Mining support service activities	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
C Manufacturing	121,6	122,7	122,0	122,9	122,5	120,6	121,9	121,8
10 Manufacture of food products	119,6	119,9	119,4	120,3	120,3	121,4	122,2	121,7
11 Manufacture of beverages	117,5	119,0	118,5	119,1	120,9	121,6	122,4	124,4
12 Manufacture of tobacco products	145,9	145,9	145,9	145,9	145,9	145,9	155,4	155,4
13 Manufacture of textiles	107,1	107,9	110,3	110,3	110,8	110,8	110,8	110,8
14 Manufacture of wearing apparel	101,9	102,7	102,6	103,0	103,1	103,3	103,6	103,7
15 Manufacture of leather and related products	106,0	109,3	109,3	111,0	111,0	111,1	111,6	111,6
16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	125,2	124,5	124,4	124,1	123,9	123,9	123,5	122,7
17 Manufacture of paper and paper products	129,4	129,9	129,7	128,6	127,5	127,1	127,1	126,8
18 Printing and reproduction of recorded media	105,9	106,0	106,0	106,0	106,0	105,9	105,9	106,0
19 Manufacture of coke and refined petroleum products	160,7	164,8	160,3	164,2	159,6	132,8	145,6	145,5
20 Manufacture of chemicals and chemical products	109,2	109,9	108,5	109,7	107,9	105,2	102,5	101,8
21 Manufacture of basic pharmaceutical products and pharmaceutical preparations	105,0	105,0	105,0	105,2	105,2	105,2	105,4	105,4
22 Manufacture of rubber and plastic products	110,0	110,9	110,0	110,1	110,2	108,5	109,1	108,4
23 Manufacture of other non-metallic mineral products	123,3	127,2	128,0	128,9	128,5	128,6	129,0	131,5
24 Manufacture of basic metals	124,5	125,7	125,2	124,2	120,5	121,1	121,1	121,1
25 Manufacture of fabricated metal products, except machinery and equipment	117,0	117,1	116,7	116,9	116,2	115,7	115,1	114,8
26 Manufacture of computer, electronic and optical products	96,1	95,1	93,9	96,2	96,3	100,1	100,2	100,0
27 Manufacture of electrical equipment	112,7	112,8	112,9	112,9	112,9	112,9	111,8	111,0
28 Manufacture of machinery and equipment n. e. c.	106,8	107,9	107,9	108,0	108,2	108,0	108,1	108,2
29 Manufacture of motor vehicles, trailers and semi-trailers	110,2	110,2	110,2	110,3	110,4	110,4	109,7	109,7
30 Manufacture of other transport equipment	92,5	92,9	92,9	92,9	92,9	92,9	92,9	92,9
31 Manufacture of furniture	116,8	120,5	120,7	121,2	121,2	121,2	121,1	121,2
32 Other manufacturing	105,2	105,1	105,0	105,4	105,6	105,1	105,6	105,6
33 Repair and installation of machinery and equipment	107,9	108,6	108,6	110,0	109,4	109,4	110,2	108,4



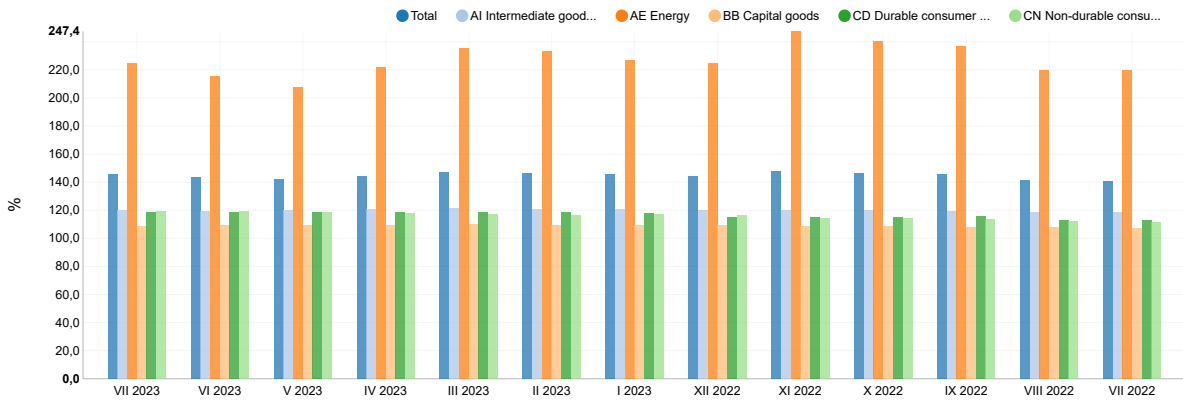


#### 4 INDUSTRIAL PRODUCER PRICE INDICES, TOTAL AND ACCORDING TO MIGs 2009 AND TO NKD 2007 SECTIONS AND DIVISIONS, JULY 2023

2015 = 100

	2022	2023						
	XII	I	II	III	IV	V	VI	VII
Total industry	130,2	131,4	132,0	132,3	131,1	129,3	130,2	131,0
Total industry, excluding Energy	114,1	115,1	114,9	115,2	115,3	115,3	115,3	115,1
<b>According to MIGs 2009</b>								
AI Intermediate goods	117,7	118,9	118,7	118,8	118,4	117,7	117,2	116,8
AE Energy	207,1	209,6	215,6	216,0	205,5	191,3	198,5	206,7
BB Capital goods	112,1	111,7	111,9	112,1	111,8	112,1	112,1	111,7
CD Durable consumer goods	107,0	108,0	108,2	108,0	107,9	107,9	107,8	108,5
CN Non-durable consumer goods	112,8	114,1	113,7	114,3	115,0	115,4	115,9	115,9
<b>According to NKD 2007 sections and divisions</b>								
B Mining and quarrying	390,9	396,0	397,0	398,7	398,6	399,0	399,4	437,8
06 Extraction of crude petroleum and natural gas	390,7	390,7	390,7	390,7	390,7	390,7	390,7	454,3
08 Other mining and quarrying	116,7	121,0	121,7	123,1	123,0	123,3	123,6	125,9
09 Mining support service activities	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
C Manufacturing	118,6	119,7	119,4	119,7	119,6	118,1	118,7	118,6
10 Manufacture of food products	118,6	119,3	118,7	119,5	119,6	120,3	120,9	120,5
11 Manufacture of beverages	117,5	119,0	118,7	119,6	121,5	122,3	123,1	124,4
12 Manufacture of tobacco products	139,7	145,9	145,9	145,9	145,9	145,9	155,4	155,4
13 Manufacture of textiles	100,9	105,3	106,0	106,2	106,2	106,2	106,3	106,3
14 Manufacture of wearing apparel	98,5	98,3	98,3	98,4	97,5	97,5	97,6	97,5
15 Manufacture of leather and related products	100,1	101,4	101,5	101,7	101,7	101,8	101,9	102,0
16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	123,0	122,7	122,2	121,8	121,8	121,8	121,4	121,0
17 Manufacture of paper and paper products	136,1	137,4	136,5	135,8	133,0	128,7	127,1	126,5
18 Printing and reproduction of recorded media	105,2	105,6	105,6	105,6	105,6	105,5	105,5	105,5
19 Manufacture of coke and refined petroleum products	155,0	158,5	157,7	158,2	155,8	133,3	143,0	145,5
20 Manufacture of chemicals and chemical products	112,2	112,2	111,8	112,0	110,6	109,1	107,4	105,1
21 Manufacture of basic pharmaceutical products and pharmaceutical preparations	106,9	111,4	110,5	110,4	113,1	112,9	112,8	112,4
22 Manufacture of rubber and plastic products	103,0	103,6	103,0	103,1	103,2	102,6	102,2	100,9
23 Manufacture of other non-metallic mineral products	128,6	132,6	133,1	133,7	134,3	134,4	134,6	136,2
24 Manufacture of basic metals	117,0	118,0	117,0	117,5	116,5	118,7	118,8	118,8
25 Manufacture of fabricated metal products, except machinery and equipment	115,4	115,5	115,5	115,3	114,6	114,6	114,3	114,2
26 Manufacture of computer, electronic and optical products	95,3	93,1	93,8	94,4	94,4	94,1	94,3	94,4
27 Manufacture of electrical equipment	109,0	108,9	109,0	109,0	108,9	107,6	107,4	107,1
28 Manufacture of machinery and equipment n. e. c.	109,1	108,9	109,6	109,6	109,9	110,1	110,1	110,0
29 Manufacture of motor vehicles, trailers and semi-trailers	106,8	106,7	106,6	106,6	106,4	106,6	106,6	106,2
30 Manufacture of other transport equipment	112,3	109,4	109,5	109,4	111,2	114,9	112,6	113,0
31 Manufacture of furniture	106,6	108,0	108,1	108,0	108,0	108,0	107,8	108,6
32 Other manufacturing	108,2	110,4	110,4	110,7	110,9	110,6	110,9	110,7
33 Repair and installation of machinery and equipment	118,9	119,6	119,6	120,9	120,4	120,4	121,2	119,6
D Electricity, gas, steam and air conditioning supply	170,3	171,6	181,9	182,2	167,3	162,5	166,3	175,1
35 Electricity, gas, steam and air conditioning supply	170,3	171,6	181,9	182,2	167,3	162,5	166,3	175,1
E Water supply; sewerage, waste management and remediation activities	102,1	102,1	102,4	102,1	102,0	101,9	101,7	101,7
36 Water collection, treatment and supply	102,1	102,1	102,4	102,1	102,0	101,9	101,7	101,7

**G-6 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC MARKET, TOTAL INDUSTRY AND ACCORDING TO MIGs 2009**



**5 MONTHLY INDUSTRIAL PRODUCER PRICE INDICES ON DOMESTIC MARKET, TOTAL INDUSTRY**

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
<b>2015 = 100</b>												
2016	96,4	95,7	96,7	95,3	95,4	96,5	95,9	94,6	96,0	97,0	95,8	97,5
2017	98,1	98,1	97,7	98,1	97,6	96,9	97,0	97,6	98,0	98,3	99,6	99,5
2018	99,6	99,1	99,0	99,5	100,3	100,2	100,9	101,0	101,4	101,9	101,3	100,1
2019	100,2	100,7	101,3	101,9	101,8	100,7	101,0	100,7	101,2	101,4	101,6	101,6
2020	102,1	102,0	100,1	97,7	97,1	97,6	98,3	98,0	98,0	99,1	99,4	100,4
2021	101,0	102,4	103,5	103,1	104,3	105,4	107,0	108,1	111,6	118,6	119,2	120,2
2022	122,0	124,3	129,1	132,4	136,9	138,0	140,5	141,1	145,3	146,6	148,1	144,2
2023	145,4	146,4	147,2	144,5	142,0	143,8	145,6					
<b>Previous month = 100</b>												
2016	99,0	99,3	101,0	98,6	100,1	101,2	99,4	98,6	101,5	101,0	98,8	101,8
2017	100,6	100,0	99,6	100,4	99,5	99,3	100,1	100,6	100,4	100,3	101,3	99,9
2018	100,1	99,5	99,9	100,5	100,8	99,9	100,7	100,1	100,4	100,5	99,4	98,9
2019	100,1	100,5	100,6	100,6	99,9	98,9	100,3	99,7	100,5	100,2	100,2	100,0
2020	100,5	99,9	98,1	97,6	99,4	100,5	100,7	99,7	100,0	101,1	100,3	101,0
2021	100,6	101,4	101,0	99,6	101,2	101,1	101,5	101,0	103,2	106,3	100,5	100,8
2022	101,5	101,9	103,9	102,6	103,4	100,8	101,8	100,5	103,0	100,9	101,0	97,4
2023	100,9	100,7	100,6	98,2	98,3	101,2	101,2					
<b>Same month of previous year = 100</b>												
2017	101,8	102,5	101,0	102,9	102,3	100,4	101,1	103,2	102,1	101,3	104,0	102,1
2018	101,5	101,0	101,2	101,4	102,9	103,4	104,0	103,4	103,4	103,6	101,6	100,5
2019	100,5	101,6	102,3	102,4	101,4	100,4	100,0	99,7	99,7	99,5	100,3	101,4
2020	101,8	101,3	98,8	95,8	95,3	96,9	97,3	97,3	96,8	97,6	97,7	98,8
2021	98,8	100,2	103,2	105,3	107,3	107,8	108,7	110,2	113,7	119,6	119,8	119,6
2022	120,7	121,3	124,7	128,4	131,2	130,8	131,2	130,5	130,2	123,6	124,2	119,9
2023	119,2	117,8	114,0	109,2	103,8	104,3	103,7					

## 6 MONTHLY INDUSTRIAL PRODUCER PRICE INDICES ON NON-DOMESTIC MARKET, TOTAL INDUSTRY

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
<b>2015 = 100</b>												
2017	98,8	98,4	97,3	98,4	97,2	96,5	96,4	96,8	97,5	97,8	99,3	99,1
2018	99,5	98,4	98,6	99,1	100,1	99,9	100,1	100,4	100,8	100,9	99,9	98,8
2019	99,3	99,3	100,6	101,6	101,5	100,1	100,5	100,0	100,0	100,3	99,8	99,3
2020	99,9	99,8	96,1	93,6	92,6	94,5	95,1	94,5	93,7	94,3	94,6	95,4
2021	96,6	97,9	99,9	99,5	100,1	100,6	101,7	102,2	103,2	106,1	106,5	106,3
2022	108,6	109,7	112,9	113,5	114,9	116,5	116,4	115,7	116,0	117,8	117,3	115,7
2023	116,9	117,0	116,8	117,0	115,9	115,9	115,8					
<b>Previous month = 100</b>												
2017	100,7	99,6	98,9	101,1	98,8	99,3	99,9	100,4	100,7	100,3	101,5	99,8
2018	100,4	98,9	100,2	100,5	101,0	99,8	100,2	100,3	100,4	100,1	99,0	98,9
2019	100,6	100,0	101,3	101,0	99,9	98,6	100,4	99,5	100,0	100,3	99,5	99,5
2020	100,6	99,9	96,3	97,4	98,9	102,0	100,6	99,3	99,2	100,7	100,3	100,8
2021	101,2	101,3	102,0	99,6	100,7	100,5	101,1	100,5	101,0	102,8	100,4	99,8
2022	102,2	101,0	102,9	100,5	101,3	101,4	99,9	99,4	100,3	101,5	99,6	98,7
2023	101,0	100,1	99,8	100,2	99,0	100,0	99,9					
<b>Same month of previous year = 100</b>												
2018	100,8	100,1	101,3	100,7	103,0	103,6	104,0	103,9	103,5	103,3	100,7	99,8
2019	100,0	101,1	102,2	102,7	101,5	100,3	100,5	99,7	99,3	99,5	100,0	100,6
2020	100,6	100,6	95,5	92,1	91,2	94,3	94,5	94,3	93,6	93,9	94,7	96,0
2021	96,6	97,9	103,8	106,2	108,1	106,5	106,9	108,2	110,1	112,5	112,6	111,4
2022	112,4	112,1	113,0	114,0	114,7	115,8	114,4	113,2	112,4	111,0	110,1	108,8
2023	107,6	106,6	103,4	103,1	100,8	99,5	99,5					

## 7 MONTHLY TOTAL INDUSTRIAL PRODUCER PRICE INDICES, TOTAL INDUSTRY

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
<b>2015 = 100</b>												
2018	99,6	98,8	98,8	99,3	100,2	100,0	100,5	100,7	101,1	101,4	100,6	99,5
2019	99,8	100,1	101,0	101,8	101,7	100,4	100,8	100,4	100,6	100,9	100,8	100,6
2020	101,2	101,1	98,4	95,9	95,1	96,2	96,8	96,3	95,9	96,8	97,1	98,0
2021	98,8	100,1	101,6	101,2	102,2	103,0	104,3	105,1	107,4	112,5	113,0	113,5
2022	115,5	117,2	121,2	123,2	126,2	127,5	128,7	128,7	131,0	132,5	133,0	130,2
2023	131,4	132,0	132,3	131,1	129,3	130,2	131,0					
<b>Previous month = 100</b>												
2018	100,2	99,2	100,0	100,5	100,9	99,9	100,5	100,2	100,4	100,3	99,2	98,9
2019	100,3	100,3	100,9	100,8	99,9	98,8	100,4	99,6	100,2	100,3	99,9	99,8
2020	100,6	99,9	97,3	97,5	99,2	101,2	100,7	99,5	99,6	100,9	100,3	101,0
2021	100,9	101,4	101,5	99,6	100,9	100,8	101,3	100,8	102,2	104,8	100,5	100,4
2022	101,8	101,5	103,4	101,7	102,5	101,0	101,0	100,0	101,8	101,2	100,4	97,9
2023	100,9	100,4	100,3	99,1	98,6	100,7	100,7					
<b>Same month of previous year = 100</b>												
2018	101,2	100,6	101,3	101,1	102,9	103,5	104,0	103,6	103,4	103,4	101,2	100,2
2019	100,3	101,4	102,3	102,5	101,5	100,4	100,3	99,7	99,6	99,5	100,1	101,0
2020	101,3	100,9	97,3	94,1	93,4	95,8	96,0	95,9	95,4	96,0	96,4	97,5
2021	97,8	99,2	103,5	105,8	107,6	107,2	107,9	109,3	112,1	116,4	116,6	116,0
2022	117,1	117,2	119,5	121,9	123,7	124,0	123,6	122,6	122,1	117,9	117,9	114,9
2023	114,0	112,7	109,3	106,5	102,5	102,2	101,9					

## 8 AVERAGE ANNUAL INDUSTRIAL PRODUCER PRICE INDICES, TOTAL, ON DOMESTIC AND NON-DOMESTIC MARKET

	Total		Domestic market		Non-domestic market	
	Previous year = 100	2015 = 100	Previous year = 100	2015 = 100	Previous year = 100	2015 = 100
2013	99,8	106,6	100,5	106,9	98,6	105,8
2014	97,5	103,9	97,3	104,0	97,9	103,5
2015	96,3	100,0	96,1	100,0	96,6	100,0
2016	96,0	95,7	96,0	96,1	95,9	96,0
2017	102,0	97,5	102,1	98,0	101,9	97,8
2018	102,1	100,0	102,4	100,4	102,0	99,7
2019	100,7	100,7	100,8	101,2	100,6	100,2
2020	96,7	97,4	98,0	99,2	95,1	95,3
2021	108,3	105,2	109,5	108,7	106,7	101,7
2022	120,2	126,2	126,4	137,4	112,7	114,6

### NOTES ON METHODOLOGY

#### Introduction

Industrial producer price indices on the domestic, non-domestic and total market are presented on an interannual chain and on a month-on-month basis as well as on the fixed base year 2015 = 100 due to the harmonisation with the Regulation (EU) 2019/2152 of the European Parliament and of the Council of 27 November 2019 on European business statistics, repealing ten legal acts in the field of business statistics.

**Concepts, definitions and terminology** are completely harmonised with those used and regulated by the EU. Therefore, the term "industrial producers' price index" has been changed to "industrial producer price index".

According to the EU terminology, the term "industrial producer price index" is also known as the "industrial output index" and the term "industrial producer prices" should be considered its synonym. If not specified, the term "industrial producer price index" denotes the "total industrial producer price index" (on the domestic and the non-domestic market).

#### The concept of industrial producer prices and their purpose

**Total industrial producer price index** is composed of two sub-indices, that is, the industrial producer price index on the domestic market and the industrial producer price index on the non-domestic market. The combination of sub-indices for these two markets provides the changes in given products/services, while their aggregation provides the divisions of products and activities.

**Industrial producer price index** measures the changes of producer prices of manufactured goods produced in the Republic of Croatia and sold by producers on the domestic (Croatian) and/or the non-domestic (non-Croatian) market.

**Industrial producer price index on the domestic market** measures the changes of producer prices of manufactured goods that are produced and sold by producers on the domestic (Croatian) market.

**Industrial producer price index on the non-domestic market**, further subdivided into the euro area and the non-euro area, measures the changes of producer prices of manufactured goods that are sold by producers on foreign (non-Croatian) market.

The industrial producer price index is an important short-term indicator of the business cycle that shows monthly price changes in the total industrial sector (the NKD 2007 sections B, C, D and E – only division 36) on the domestic and the non-domestic market and further subdivided into the euro area and the non-euro area. According to the EU concept, it is an important business indicator that permits monthly monitoring of prices at different stages of the manufacturing process. It is also used for distinguishing effective growth of an activity due to price changes and provides information to the business community on particular markets of their interest. It can also indicate inflationary changes before they reach consumers.

#### Presentation of the industrial producer price index

All indices are presented in gross (unadjusted) form. They were calculated on the basis of data collected through the revised Monthly Survey on Industrial Producer Prices (IND-3/KPS/M form) for 2023.

#### Legal and methodological framework

The Monthly Survey on Industrial Producer Prices (IND-3/KPS/M form) in 2023 is carried out directly by the Croatian Bureau of Statistics on the basis of the Official Statistics Act (NN, No. 25/20). The internet application (CAWI method) is used in data collection. The reporting units directly access this application and enter their data on the basis of the instructions given.

The concepts and definitions used in the IND-3/KPS/M Survey are harmonised with the EU concepts and definitions, especially with the Regulation (EU) 2019/2152 of the European Parliament and of the Council and the Commission Implementing Regulation (EU) 2020/1197.

#### Scope and coverage

The reporting units included in the IND-3/KPS/M Survey are selected enterprises and parts thereof (legal entities and tradesmen) that produce selected products as defined in the Nomenclature of Industrial Products – NIP 2021, classified in the NKD 2007 (NN, Nos 58/07 and 72/07) activity sections B Mining and quarrying, C Manufacturing, D Electricity, gas, steam and air conditioning supply and E Water supply; sewerage, waste management and remediation activities (only division 36).

In order to collect data on industrial producer prices on the domestic and the non-domestic market, the IND-3/KPS/M Survey for 2023 covers a representative sample of industrial products at the level of covered activity classes of the NKD 2007, that is, all products that generated sales **exceeding 3 million euros on the domestic market and 2 million euros on the non-domestic market** according to the results of the PRODCOM Survey on Industrial Production (IND-21/PRODCOM/G form) for 2021. The selection of enterprises has been done according to their share in the production of selected products, separately for the domestic and the non-domestic market.

For monitoring the **industrial producer prices on the domestic market**, the sample for the IND-3/KPS/M Survey for 2023 covers 1 839 item prices within the selected NIP 2021 products in 1 107 enterprises (legal entities and tradesmen), while for monitoring **industrial producer prices on the non-domestic market**, it covers 1 118 item prices within the selected NIP 2021 products in 675 enterprises (legal entities and tradesmen). In July 2023, the response rate was 98.0%, while the estimation rate of non-responded questionnaires was 2.0%.

#### Reference point

All industrial producer prices are recorded as transaction prices in effect on the 15th day of the month indicated. The prices at which a producer sells products at the domestic and/or the non-domestic market in the largest quantities to known buyer are recorded.

Completed IND-3/KPS/M forms are delivered directly on the website of the Croatian Bureau of Statistics in the period from 16th to 26th of the current reporting month (<https://podaci.dzs.hr/en/>).

## Definitions

Producer price indices on the domestic and the non-domestic market require a separate compilation according to the destination of a product in order to obtain the producer price indices on the domestic and the non-domestic market.

The residency of the third party that has ordered or purchased the product determines the destination. The domestic market is defined when both the third party/buyer and the reporting unit are residents of the Republic of Croatia, while the non-domestic market is defined when the third party/buyer is not a resident of the Republic of Croatia.

**Industrial producer prices on the domestic market** are either the prices at which a producer sells products on the domestic market in the largest quantities, loaded free on a rail (truck) at a factory gate at the location of the producer or the price charged to another company by the producer. The selling price is increased for the amount of the compensation obtained by the seller and deducted for the amount of the discount and rebate as well as the value added tax and excises.

**Industrial producer prices on the non-domestic market** are prices at which a producer sells products on the non-domestic market in the largest quantities at the national border, FOB (free on board). The selling price is increased for the amount of the compensation obtained by the seller and deducted for the amount of the discount and rebate as well as the value added tax and excises.

## Reporting of data for the non-domestic market according to the euro area criterion

The territory of the European Union (EU-27) comprises the national territories of 27 EU Member States, and the data for producer prices of items sold on the non-domestic market are reported for the European Union market according to the criterion of the national markets of the Member States using the euro as currency (from the euro area) and those Member States not using the euro as currency (from the non-euro area). For the reporting of data in 2023, the following country composition of the euro area applies:

From the euro area (EA-19) – refers to the territories of 19 EU Member States that have adopted a common currency (euro), i.e. Austria, Belgium, Cyprus, Estonia, Finland, France, Greece, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Germany, Portugal, Slovakia, Slovenia and Spain.

From the non-euro area (EU-7) – refers to the territory of the other seven EU Member States that have not yet adopted a common currency (euro), i.e. to Bulgaria, the Czech Republic, Denmark, Hungary, Poland, Romania and Sweden, and to other non-EU states.

## Calculation method

Total industrial producer price index is composed of two sub-indices, that is, the industrial producer price index on the domestic market and the industrial producer price index on the non-domestic market.

Industrial producer price indices on the domestic market and the non-domestic market are calculated according to the Laspeyres formula for different levels of the NKD 2007.

Individual indices for each representative product are calculated from data on prices by dividing prices of the current period by prices of the base period (December of the previous year).

Aggregate indices, that is, indices of groups, divisions and sections of the NKD 2007 as well as the total industry index are calculated by a weighted arithmetic mean from individual indices according to the modified Laspeyres formula:

$$I = \frac{\sum \frac{P_n}{P_o} \times W_o}{\sum W_o} \times 100$$

Whereby:

I is an index of a group, division, section, subsection and the total index

Pn is a price in the current period (month)

Po is a price in the base period

Wo is the relative sale structure in the base period.

## Weights

The weighting system for 2023 reference year is based on the value of products sold from the PRODCOM Survey on Industrial Production (IND-21/PRODCOM/G form) for 2021. The weighting system is changed at the beginning of every reference year in relation to changes in prices.

## Data publishing

The total industrial producer price indices, both on the domestic and the non-domestic market, are published for the total industry according to the NKD 2007 sections and divisions and according to MIGs 2009 aggregates (end use of products) grouped by the NKD 2007 activity groups and divisions. The total industrial producer price indices on the non-domestic market, subdivided into the euro area and the non-euro area, are published for the total industry according to the NKD 2007 and according to the MIGs 2009 aggregates, at constant base 2015 = 100, in the STS database <https://sts baza.dzs.hr/en>.

The grouping of the NKD 2007 activity groups or divisions according to the MIGs 2009<sup>1)</sup>, using alphabetic marks of abbreviations, was done as follows:

AI	Intermediate goods: the NKD 2007 divisions and groups: 07 (excl. 07.21) – 09, 10.6, 10.9, 13.1 – 13.3, 16, 17, 20.1 – 20.3, 20.5, 20.6, 22 – 24 (excl. 24.46), 25.5 – 25.7, 25.9, 26.1, 26.8, 27.1 – 27.4 and 27.9
AE	Energy: the NKD 2007 divisions: 05, 06, 19, 35 and 36
BB	Capital goods: the NKD 2007 divisions and groups: 25.1 – 25.3, 26.2, 26.3, 26.5, 26.6, 28, 29, 30.2, 32.5 and 33
CD	Durable consumer goods: the NKD 2007 divisions and groups: 26.4, 26.7, 27.5, 30.9, 31, 32.1 and 32.2
CN	Non-durable consumer goods: the NKD 2007 divisions and groups: 10.1 – 10.5, 10.7, 10.8, 11, 12, 13.9, 14, 15, 18, 20.4, 21, 32.3, 32.4 and 32.9.

1) The Commission Implementing Regulation (EU) 2020/1197 of 30 July 2020 laying down technical specifications and arrangements pursuant to Regulation (EU) 2019/2152 of the European Parliament and of the Council, as regards the definitions of Main Industrial Groupings (MIGs).



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## Abbreviations

CAWI	computer-assisted web interview
EU	European Union
MIGs 2009	Main Industrial Groupings, 2009 version
n. e. c.	not elsewhere classified
NKD 2007	National Classification of Activities, 2007 version
NN	Narodne novine, official gazette of the Republic of Croatia
PRODCOM	PRODUcts of the European COMMunity

## Symbols

... data not available

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