



2022

World Steel
in Figures

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For terminology definitions, please refer to our glossary at worldsteel.org/about-steel/glossary. For details on the notation used in this publication, please refer to page 31.

Data finalised 30 April 2022.

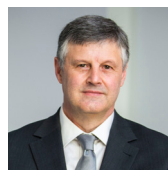
Foreword

We recently issued our April Short Range Outlook in the shadow of the human and economic tragedy taking place in Ukraine; we hope peace will return as soon as possible. The magnitude of the impact of this conflict will vary across regions, depending on their direct trade and financial exposure to Russia and Ukraine. However, we have forecasted that steel demand will grow by 0.4% in 2022 to reach 1,840.2 Mt. In 2023, steel demand will see further growth of 2.2% to reach 1,881.4 Mt.

Our care and commitment to health and safety is one of our fundamental values. Each year since 2014, on International Steel Safety Day, we launch a major global campaign to reinforce awareness of the five most common causes of fatalities. This year we are focusing on the dangers of working from heights and the campaign includes online training webinars, training publications and safety tips.

This year we launched our revised and expanded Sustainability Charter. The new Charter is organised into 9 principles and 20 required criteria reflecting the industry's increasing focus on sustainability and its responsibility to generate positive impacts on people, our planet, and the prosperity of society. Thirty-nine members have so far provided the evidence that they are aligned with these criteria and are therefore recognised as Charter Members for a 3-year period. I congratulate them all.

World Steel in Figures provides a handy, summarised picture of the global steel industry today. I hope you find this valuable and thought-provoking. If you have any questions, please contact us via worldsteel.org.



Dr Edwin Basson
Director General

Sustainability Charter

Our updated Sustainability Charter reflects the steel industry's increasing focus on sustainability and our responsibility to take a holistic approach to addressing environmental, social, economic and governance topics.

The Charter covers:

4 areas

9 topics



9 principles

20 criteria

Our revised and expanded Sustainability Principles strongly encourage worldsteel member organisations to be proactively engaged in our sustainability programmes and to push for higher standards in their sustainability commitment and performance. To be eligible to sign the Charter, organisations need to meet 20 criteria.

Sustainability Principles

9 principles

Proactively address climate change and take effective actions to minimise the industry's GHG emissions.

Maximise the efficient use of resources throughout the life cycle of steel products and support society to achieve a circular economy.

Conduct operations in an environmentally responsible manner.

Maintain a safe and healthy workplace and act on health and safety incidents, risks and opportunities.

Enable our people to realise their potential while providing them with an inclusive and fair working environment.

Build trust and create constructive relationships with local communities.

Lead responsible business practices through the value chain.

Conduct operations with high standards and transparent processes.

Pursue innovations for technologies and products to achieve sustainable economic development.

20 criteria

CO₂ and energy

CO₂ reduction plans and goals

LCI data

Waste and co-products

Environmental improvement

Air and water emissions

Environmental management systems

Safety data

Safety management systems

Safety performance

Steel Safety Day

Employee training

Management policies

Community engagement or investment

Supply chain

Business conduct

Sustainability report

Stakeholder engagement

Investment

Economic Value Distributed

Programmes associated with the sustainability criteria

The worldsteel programmes associated with the Sustainability Charter are listed below:

Sustainability Indicators data collection

Data is collected from our members and reported annually for 8 Sustainability Indicators, systematically measuring and reporting key aspects of the steel industry's economic, environmental and social performance. This programme provides member companies with benchmarking opportunities and scope for improvement.

The 8 indicators are:

- CO₂ emissions intensity
- Energy intensity
- Material efficiency
- Environmental management systems
- Lost Time Injury Frequency Rate
- Employee training
- Investment in new processes and products
- Economic Value Distributed

Life cycle inventory data collection

A life cycle assessment (LCA) of a steel product looks at resources, energy and emissions, from the steel production stage to its end-of-life stage, including recycling. worldsteel collects data for the production of 17 steel products and generates product specific life cycle inventories available to all stakeholders worldwide.

Steel Safety Day

28 April is Steel Safety Day. The initiative aims to reinforce awareness and ensure the presence of controls for high-risk activities in the steel industry. Every year worldsteel launches a global campaign centred on a theme which involves one of the main causes of fatalities in the industry.

For more information on the worldsteel Sustainability Programme and the organisations that signed the Sustainability Charter, visit the sustainability section of worldsteel.org.

World crude steel production 1950 to 2021

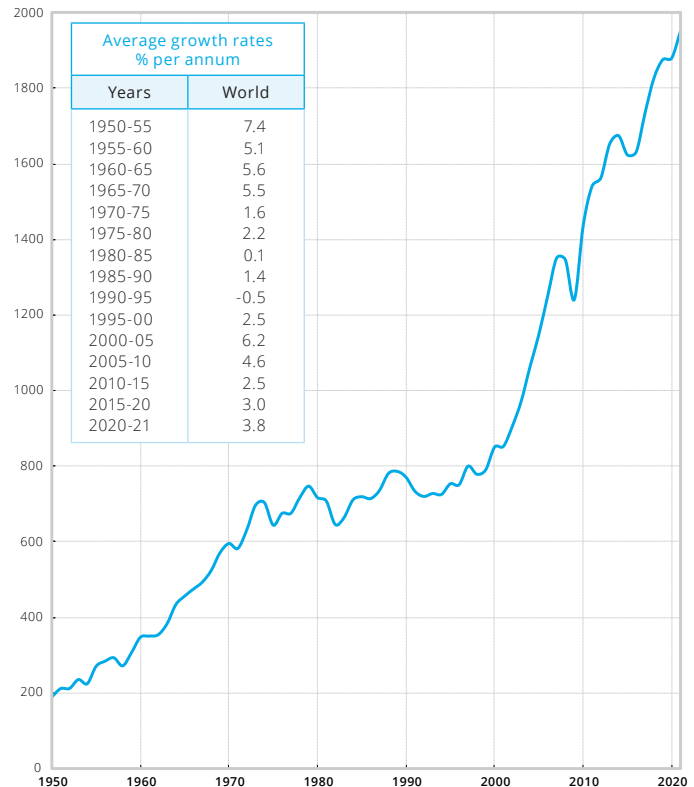
million tonnes, crude steel production

Years	World
1950	189
1955	270
1960	347
1965	456
1970	595
1975	644
1980	717
1985	719
1990	770
1995	753

Years	World
2000	850
2001	852
2002	905
2003	971
2004	1 063
2005	1 148
2006	1 250
2007	1 350
2008	1 345
2009	1 241
2010	1 435

Years	World
2011	1 540
2012	1 562
2013	1 652
2014	1 674
2015	1 623
2016	1 632
2017	1 735
2018	1 827
2019	1 875
2020	1 879
2021	1 951

million tonnes, crude steel production



Top steel-producing companies 2021

million tonnes, crude steel production

Rank	Company	Tonnage	Rank	Company	Tonnage
1	China Baowu Group ⁽¹⁾	119.95	26	China Steel Corporation	15.95
2	ArcelorMittal ⁽²⁾	79.26	27	Jingye Group	15.38
3	Ansteel Group ⁽³⁾	55.65	28	Techint Group	14.91
4	Nippon Steel Corporation ⁽⁴⁾	49.46	29	Sinogiant Group	14.34
5	Shagang Group	44.23	30	Gerdau S.A.	14.20
6	POSCO	42.96	31	CITIC Pacific	13.97
7	HBIS Group	41.64	32	MMK	13.59
8	Jianlong Group	36.71	33	Rizhao Steel	13.57
9	Shougang Group	35.43	34	EVRAZ	13.57
10	Tata Steel Group	30.59	35	Zenith Steel	12.76
11	Shandong Steel Group	28.25	36	Shaanxi Steel	12.39
12	Delong Steel Group	27.82	37	Tsingshan Holding	12.37
13	JFE Steel Corporation	26.85	38	Shenglong Metallurgical	12.16
14	Valin Group	26.21	39	thyssenkrupp	12.00 ⁽⁶⁾
15	Nucor Corporation	25.65	40	Severstal	11.65
16	Fangda Steel	19.98	41	Nanjing Steel	11.58
17	Hyundai Steel	19.64	42	Metinvest Holding LLC	11.48
18	Liuzhou Steel	18.83	43	Sanming Steel	11.40
19	JSW Steel Limited	18.59	44	Donghai Special Steel	10.42
20	SAIL	17.33	45	Xinyu Steel	10.14
21	NLMK	17.29	46	Steel Dynamics, Inc.	9.84
22	IMIDRO ⁽⁵⁾	16.70 ⁽⁶⁾	47	Anyang Steel	9.50
23	Baotou Steel	16.45	48	Erdemir Group	9.02
24	U. S. Steel Corporation ⁽⁶⁾	16.30	49	Jiuquan Steel	8.75
25	Cleveland-Cliffs ⁽⁷⁾	16.30 ⁽⁶⁾	50	SSAB	8.18

⁽⁶⁾ = estimate

⁽¹⁾ Includes tonnage of Taiyuan Steel and Kunming Steel

⁽²⁾ Includes 60% AM/NS India (former Essar Steel)

⁽³⁾ Includes tonnage of Benxi Steel

⁽⁴⁾ Includes Nippon Steel Stainless Steel Corporation, Sanyo Special Steel, Ovako, 40% AM/NS India and 31.4% USIMINAS

⁽⁵⁾ Estimated combined tonnage of Mobarrakeh Steel, Esfahan Steel, Khuzestan Steel and NISCO

⁽⁶⁾ Includes Big River Steel

⁽⁷⁾ Include AK Steel and former ArcelorMittal USA operations

Notes on company ownership and tonnage calculations:

For worldsteel members, the data was sourced from their official tonnage declarations. For Chinese companies, the official CISA tonnage publication was used, unless especially noted. In case of more than 50% ownership, 100% of the subsidiary's tonnage is included, unless specified otherwise. In cases of 30%-50% ownership, pro-rata tonnage is included. Unless otherwise specified in the declaration, less than 30% ownership is considered a minority and therefore, not included. Figures represent ownership ending 31 December 2021.

For an extended company listing, go to worldsteel.org/steel-by-topic/statistics/top-producers.

Major steel-producing countries 2021 and 2020

million tonnes, crude steel production

Country	2021		2020	
	Rank	Tonnage	Rank	Tonnage
China	1	1 032.8	1	1 064.7
India	2	118.2	2	100.3
Japan	3	96.3	3	83.2
United States	4	85.8	4	72.7
Russia	5	75.6	5	71.6
South Korea	6	70.4	6	67.1
Turkey	7	40.4	7	35.8
Germany	8	40.1	8	35.7
Brazil	9	36.2	9	31.4
Iran ⁽⁶⁾	10	28.5	10	29.0
Italy	11	24.4	13	20.4
Taiwan, China	12	23.2	11	21.0
Vietnam	13	23.0	14	19.9
Ukraine	14	21.4	12	20.6
Mexico	15	18.5	15	16.8
Indonesia	16	14.3	16	12.9
Spain	17	14.2	18	11.0
France	18	13.9	17	11.6
Canada	19	13.0	19	11.0
Egypt	20	10.3	20	8.2
Saudi Arabia	21	8.7	22	7.8
Poland	22	8.5	21	7.9
Austria	23	7.9	24	6.8
United Kingdom	24	7.2	23	7.1
Belgium	25	6.9	26	6.1
Malaysia ⁽⁶⁾	26	6.9	25	6.6
Netherlands	27	6.6	27	6.1
Australia	28	5.8	29	5.5
Bangladesh ⁽⁶⁾	29	5.5	28	5.5
Thailand	30	5.5	30	4.5
Pakistan	31	5.3	35	3.8
South Africa ⁽⁶⁾	32	5.0	34	3.9
Argentina	33	4.9	36	3.7
Slovakia	34	4.9	38	3.4
Czechia	35	4.8	31	4.5
Sweden	36	4.7	32	4.4
Kazakhstan ⁽⁶⁾	37	4.4	33	3.9
Finland	38	4.3	37	3.5
Algeria	39	3.5	39	3.0
Romania	40	3.4	40	2.8
United Arab Emirates	41	3.0	41	2.7
Belarus ⁽⁶⁾	42	2.4	42	2.5
Luxembourg	43	2.1	45	1.9
Oman ⁽⁶⁾	44	2.0	44	2.0
Portugal	45	2.0	43	2.2
Serbia	46	1.7	47	1.5
Greece	47	1.5	48	1.4
Colombia	48	1.3	54	1.1
Chile	49	1.3	53	1.2
Kuwait ⁽⁶⁾	50	1.3	49	1.3
Others		17.7		16.2
World		1 951.2		1 879.4

⁽⁶⁾ = estimate

Crude steel production by process, 2021

	Million tonnes	Oxygen %	Electric %	Open hearth %	Other %	Total %
Austria	7.9	91.3	8.7	-	-	100.0
Belgium	6.9	69.7	30.3	-	-	100.0
Bulgaria	0.5	-	100.0	-	-	100.0
Croatia	0.2	-	100.0	-	-	100.0
Czechia	4.8	96.1	3.9	-	-	100.0
Finland	4.3	60.3	39.7	-	-	100.0
France	13.9	66.8	33.2	-	-	100.0
Germany	40.1	69.8	30.2	-	-	100.0
Greece	1.5	-	100.0	-	-	100.0
Hungary	1.1	68.6	31.4	-	-	100.0
Italy ^(e)	24.4	16.0	84.0	-	-	100.0
Luxembourg	2.1	-	100.0	-	-	100.0
Netherlands	6.6	100.0	-	-	-	100.0
Poland	8.5	48.1	51.9	-	-	100.0
Portugal	2.0	-	100.0	-	-	100.0
Romania ^(e)	3.4	68.2	31.8	-	-	100.0
Slovakia ^(e)	4.9	80.2	19.8	-	-	100.0
Slovenia	0.7	-	100.0	-	-	100.0
Spain	14.2	31.7	68.3	-	-	100.0
Sweden	4.7	64.5	35.5	-	-	100.0
European Union (27)	152.6	56.1	43.9	-	-	100.0
Turkey	40.4	28.4	71.6	-	-	100.0
United Kingdom	7.2	81.7	18.3	-	-	100.0
Others ^(e)	4.7	47.1	52.9	-	-	100.0
Other Europe	52.3	37.4	62.6	-	-	100.0
Russia	75.6	59.0	39.0	2.0	-	100.0
Ukraine	21.4	76.0	5.8	18.2	-	100.0
Other CIS ^(e)	8.4	51.3	48.7	-	-	100.0
Russia & Other CIS + Ukraine	105.4	61.8	33.0	5.1	-	100.0
Canada ^(e)	13.0	54.7	45.3	-	-	100.0
Mexico	18.5	15.9	84.1	-	-	100.0
United States	85.8	30.8	69.2	-	-	100.0
USMCA	117.2	31.1	68.9	-	-	100.0
Argentina	4.9	54.8	45.2	-	-	100.0
Brazil	36.2	75.2	23.6	-	1.2	100.0
Chile	1.3	63.2	36.8	-	-	100.0
Venezuela	0.0	-	100.0	-	-	100.0
Other Central & South America ^(e)	3.9	6.6	93.4	-	-	100.0
Central & South America	46.3	66.8	32.2	-	1.0	100.0
Egypt	10.3	-	100.0	-	-	100.0
South Africa ^(e)	5.0	57.7	42.3	-	-	100.0
Other Africa ^(e)	5.1	8.6	91.3	-	0.1	100.0
Africa	20.4	16.1	83.9	-	0.0	100.0
Iran ^(e)	28.5	9.7	90.3	-	-	100.0
Saudi Arabia	8.7	-	100.0	-	-	100.0
Other Middle East ^(e)	8.7	-	100.0	-	-	100.0
Middle East	45.8	6.0	94.0	-	-	100.0
China ^(e)	1 032.8	89.4	10.6	-	-	100.0
India	118.2	44.8	55.2	-	-	100.0
Japan	96.3	74.7	25.3	-	-	100.0
South Korea	70.4	68.2	31.8	-	-	100.0
Taiwan, China	23.2	60.5	39.5	-	-	100.0
Other Asia ^(e)	62.4	35.6	64.4	-	-	100.0
Asia	1 403.4	80.7	19.3	-	-	100.0
Australia	5.8	73.6	26.4	-	-	100.0
New Zealand	0.6	100.0	-	-	-	100.0
Total of above countries	1 949.9	70.8	28.9	0.3	0.0	100.0

The countries in this table accounted for approximately 99.9% of world crude steel production in 2021.
^(e)= estimate

Continuously-cast steel output 2019 to 2021

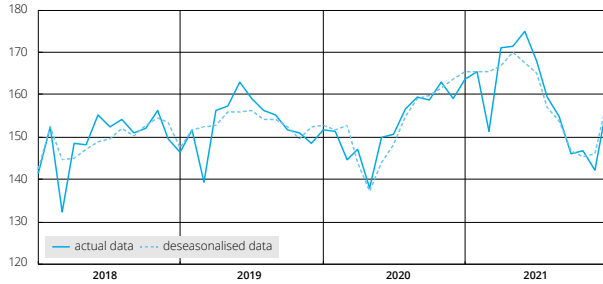
	Million tonnes			% Crude steel output		
	2019	2020	2021	2019	2020	2021
Austria	7.1	6.5	7.6	96.1	96.1	96.4
Belgium	7.8	6.1	6.9	100.0	100.0	100.0
Bulgaria	0.6	0.5	0.5	100.0	100.0	100.0
Croatia	0.1	0.0	0.2	100.0	100.0	100.0
Czechia	4.3	4.3	4.7	96.6	96.5	96.5
Finland	3.5	3.5	4.3	99.5	99.5	99.6
France	14.0	11.3	13.6	97.2	97.5	97.5
Germany ^(e)	37.8	34.3	38.5	95.3	96.1	96.1
Greece	1.4	1.4	1.5	100.0	100.0	100.0
Hungary	1.8	1.5	1.1	100.0	100.0	100.0
Italy ^(e)	22.0	19.3	23.1	94.9	94.7	94.7
Luxembourg	2.1	1.9	2.1	100.0	100.0	100.0
Netherlands	6.7	6.1	6.6	100.0	100.0	100.0
Poland	8.8	7.7	8.3	98.1	98.4	98.4
Portugal	2.0	2.2	2.0	100.0	100.0	100.0
Romania ^(e)	3.4	2.7	3.3	97.7	97.7	97.8
Slovakia	3.9	3.4	4.9	100.0	100.0	100.0
Slovenia	0.5	0.5	0.5	80.2	80.4	81.6
Spain	13.4	10.9	14.0	98.3	99.3	98.9
Sweden ^(e)	3.9	3.7	3.9	83.0	83.0	82.9
European Union (27)	144.9	127.9	147.6	96.5	96.7	96.7
Turkey	33.7	35.8	40.4	100.0	100.0	100.0
United Kingdom	7.1	7.0	7.2	98.5	99.1	99.5
Others ^(e)	5.0	4.2	4.7	100.0	100.0	100.0
Other Europe	45.8	47.0	52.3	99.8	99.9	99.9
Russia ^(e)	59.2	59.1	62.4	82.5	82.5	82.6
Ukraine	11.6	13.6	14.1	55.7	66.2	66.2
Other CIS ^(e)	8.0	7.9	8.4	99.3	98.6	99.3
Russia & Other CIS + Ukraine	78.8	80.6	84.9	78.3	80.4	80.6
Canada ^(e)	10.1	8.6	10.1	78.2	78.1	78.1
Mexico	18.4	16.8	18.5	100.0	100.0	100.0
United States	87.5	72.6	85.6	99.7	99.8	99.8
USMCA	116.0	97.9	114.2	97.4	97.4	97.4
Argentina	4.6	3.6	4.9	99.7	99.6	99.7
Brazil	31.9	30.8	35.3	98.0	98.1	97.5
Chile	1.1	1.2	1.3	100.0	100.0	100.0
Venezuela	0.1	0.0	0.0	100.0	100.0	100.0
Other Central & South America ^(e)	3.9	2.9	3.9	100.0	100.0	100.0
Central & South America	41.6	38.6	45.4	98.4	98.4	98.0
Egypt	7.3	8.2	10.3	100.0	100.0	100.0
South Africa	6.1	3.9	5.0	98.8	100.0	100.0
Other Africa ^(e)	4.0	5.3	5.8	99.9	123.1	113.7
Africa	17.3	17.4	21.1	99.5	106.1	103.4
Iran ^(e)	25.6	29.0	28.5	100.0	100.0	100.0
Saudi Arabia	8.2	7.8	8.7	100.0	100.0	100.0
Other Middle East ^(e)	10.5	8.6	8.6	100.0	99.9	99.9
Middle East	44.3	45.4	45.8	100.0	100.0	100.0
China ^(e)	980.4	1 049.4	1 018.2	98.5	98.6	98.6
India ^(e)	97.0	87.2	103.0	87.1	87.0	87.1
Japan ^(e)	97.7	81.9	94.8	98.4	98.4	98.4
South Korea	70.4	66.2	69.4	98.6	98.7	98.6
Taiwan, China	21.9	21.0	23.1	99.5	100.0	99.6
Other Asia ^(e)	48.7	54.9	62.4	100.0	100.0	100.0
Asia	1 316.1	1 360.5	1 371.0	97.6	97.8	97.7
Australia	5.5	5.5	5.8	100.0	100.0	100.0
New Zealand	0.7	0.6	0.6	100.0	100.0	100.0
Total of above countries	1 811.0	1 821.4	1 888.8	96.6	97.0	96.9

The countries in this table accounted for approximately 99.9% of world crude steel production in 2021.
^(e)= estimate

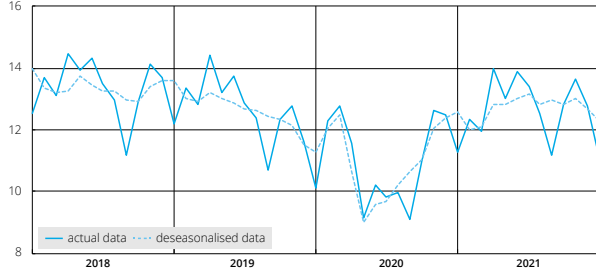
Monthly crude steel production 2018 to 2021

million tonnes

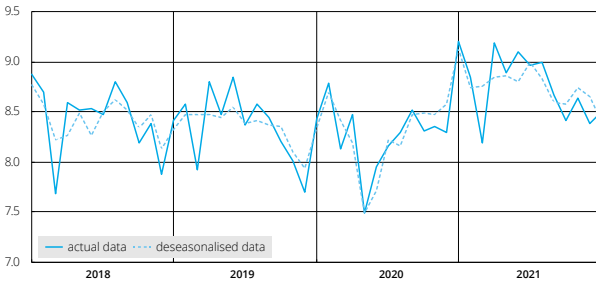
Total 64 reporting countries*



European Union (27)



Russia and Other CIS (4) + Ukraine



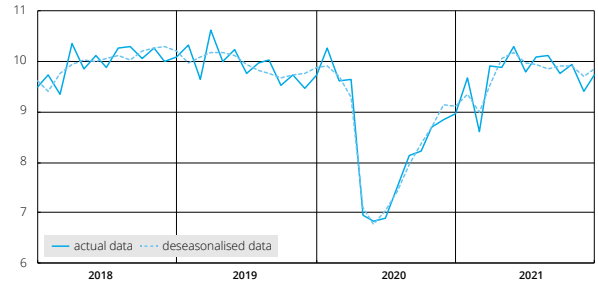
*The 64 reporting countries:

Argentina, Australia, Austria, Belgium, Bosnia-Herzegovina, Brazil, Bulgaria, Belarus, Canada, Chile, China, Colombia, Croatia, Cuba, Czechia, Ecuador, Egypt, El Salvador, Finland, France, Germany, Greece, Guatemala, Hungary, India, Iran, Italy, Japan, Kazakhstan, Libya, Luxembourg, Macedonia, Mexico, Moldova, Netherlands, New Zealand, Norway, Pakistan, Paraguay, Peru, Poland, Portugal, Qatar, Romania, Russia, Saudi Arabia, Serbia, Slovakia, Slovenia, South Africa, South Korea, Spain, Sweden, Taiwan, China, Thailand, Turkey, Ukraine, United Arab Emirates, United Kingdom, United States, Uruguay, Uzbekistan, Venezuela, and Vietnam.

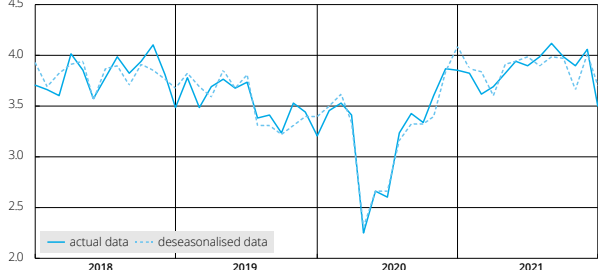
In 2021, these 64 countries accounted for approximately 98% of world crude steel production.

million tonnes

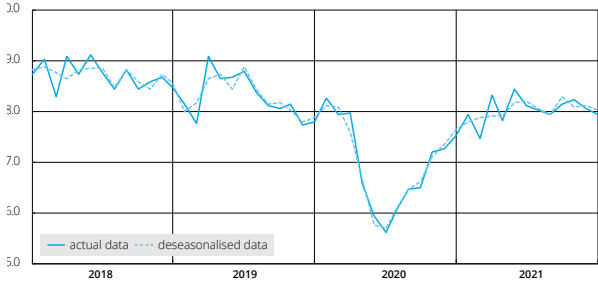
USMCA



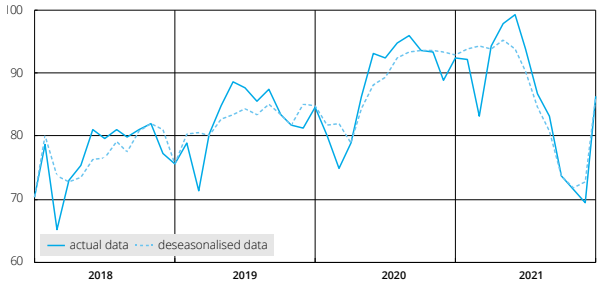
Central and South America



Japan



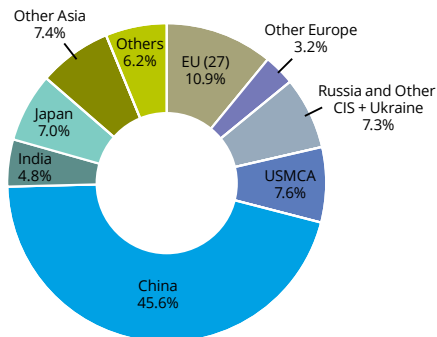
China



Steel production and use: geographical distribution 2011

Crude steel production

World total: 1 540 million tonnes



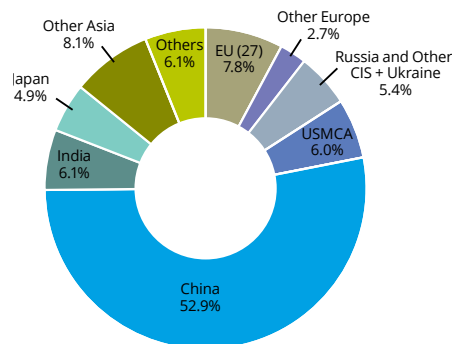
Others comprise:

Africa	1.0%	Central and South America	3.2%
Middle East	1.5%	Australia and New Zealand	0.5%

Steel production and use: geographical distribution 2021

Crude steel production

World total: 1 951 million tonnes

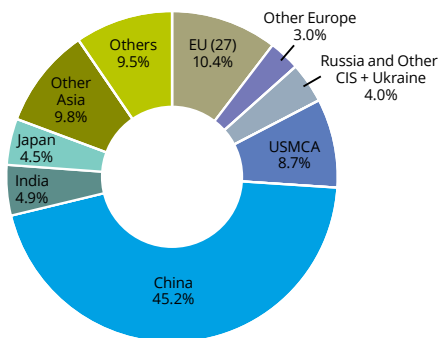


Others comprise:

Africa	1.0%	Central and South America	2.4%
Middle East	2.3%	Australia and New Zealand	0.3%

Apparent steel use (finished steel products)

World total: 1 419 million tonnes

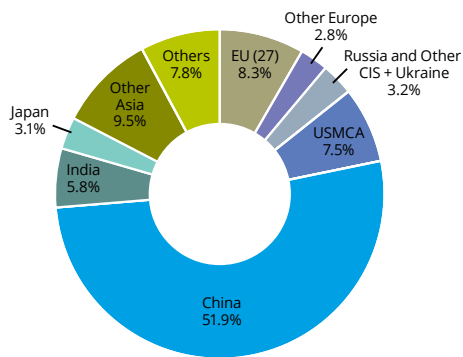


Others comprise:

Africa	2.1%	Central and South America	3.3%
Middle East	3.6%	Australia and New Zealand	0.5%

Apparent steel use (finished steel products)

World total: 1 834 million tonnes



Others comprise:

Africa	2.0%	Central and South America	2.8%
Middle East	2.6%	Australia and New Zealand	0.4%

Apparent steel use 2017 to 2021

million tonnes, finished steel products

	2017	2018	2019	2020	2021
Austria	4.1	4.2	4.0	3.6	4.5
Belgium-Luxembourg	3.5	4.5	3.4	3.0	4.9
Czechia	7.2	7.6	7.2	6.7	8.2
France	14.8	14.9	14.6	12.2	13.9
Germany	41.0	39.6	35.1	31.2	35.2
Italy	24.8	25.3	25.0	20.4	25.9
Netherlands	4.0	4.8	4.6	4.1	4.6
Poland	13.6	14.9	13.6	12.9	15.1
Romania	4.2	4.6	4.5	4.1	4.3
Spain	13.3	13.8	13.2	11.6	13.1
Sweden	4.1	4.1	3.8	3.1	3.6
Other EU	17.7	19.1	19.0	18.0	19.4
European Union (27)	152.3	157.4	148.1	131.0	152.8
Turkey	36.1	30.7	26.1	29.5	33.4
United Kingdom	11.0	10.8	10.2	9.0	10.8
Others ^(e)	6.5	6.8	6.8	6.5	6.9
Other Europe	53.7	48.3	43.2	44.9	51.0
Russia	40.7	41.3	43.5	42.3	43.9
Ukraine	4.6	4.7	4.7	4.6	4.8
Other CIS ^(e)	9.0	9.5	10.1	10.7	9.7
Russia & Other CIS + Ukraine	54.2	55.5	58.3	57.6	58.5
Canada	14.0	14.1	13.0	12.2	14.6
Mexico	25.8	25.3	24.3	21.4	25.3
United States	97.7	99.8	97.6	80.0	97.1
USMCA	137.6	139.2	134.9	113.6	136.9
Argentina	4.9	4.8	3.9	3.6	5.0
Brazil	19.5	21.2	21.0	21.4	26.4
Venezuela	0.5	0.2	0.1	0.1	0.1
Other Central & South America ^(e)	17.2	16.5	16.8	13.7	19.2
Central & South America	42.2	42.7	41.8	38.8	50.7
Egypt	10.2	11.1	10.4	9.7	10.2
South Africa	5.2	5.1	4.8	3.8	5.0
Other Africa ^(e)	19.8	20.7	24.3	21.7	22.2
Africa	35.2	36.9	39.5	35.2	37.4
Iran	20.0	19.6	18.5	17.2	18.2
Other Middle East ^(e)	33.2	32.0	31.4	29.7	30.1
Middle East	53.2	51.5	49.9	47.0	48.3
China	773.8	836.1	911.9	1 006.3	952.0
India	88.7	96.7	102.6	89.3	106.1
Japan	64.4	65.4	63.2	52.6	57.5
South Korea	56.3	53.7	53.2	49.0	55.6
Taiwan, China	17.7	17.8	17.6	18.8	21.1
Other Asia ^(e)	100.4	103.8	106.0	94.6	98.4
Asia	1 101.2	1 173.5	1 254.6	1 310.7	1 290.8
Oceania	6.6	6.6	6.6	6.1	7.3
World	1 636.0	1 711.6	1 776.9	1 784.9	1 833.7

^(e)= estimate

Apparent steel use per capita 2017 to 2021

kilograms, finished steel products

	2017	2018	2019	2020	2021
Austria	464.3	470.7	444.4	405.2	516.9
Belgium-Luxembourg	288.4	371.9	280.3	242.8	397.2
Czechia	676.6	712.6	674.8	624.3	775.5
France	227.6	228.5	223.5	187.1	211.0
Germany	496.0	477.0	420.8	371.9	426.1
Italy	409.5	417.7	412.7	337.6	439.4
Netherlands	233.9	283.3	269.9	241.7	264.4
Poland	358.4	392.8	359.8	341.1	399.7
Romania	213.2	234.4	234.4	214.5	220.6
Spain	284.2	296.4	283.3	249.0	282.2
Sweden	416.6	407.5	378.6	310.3	355.8
Other EU	242.0	261.0	259.9	246.7	263.8
European Union (27)	342.8	353.9	332.7	294.2	344.2
Turkey	445.3	372.3	312.6	349.6	394.9
United Kingdom	164.9	161.2	151.8	132.1	159.0
Others	192.6	212.3	212.7	200.5	210.6
Other Europe	295.2	266.0	235.7	243.5	276.0
Russia	279.6	283.5	298.3	290.0	305.8
Ukraine	102.5	105.8	105.8	105.2	110.3
Other CIS	88.7	92.7	97.5	101.5	92.7
Russia & Other CIS + Ukraine	186.2	189.8	198.5	195.4	200.1
Canada	382.2	380.6	347.0	323.1	384.5
Mexico	206.8	200.5	190.7	165.9	186.6
United States	300.6	305.0	296.6	241.8	290.9
USMCA	282.7	283.8	273.1	228.3	270.0
Argentina	112.0	108.8	87.5	79.5	109.7
Brazil	93.9	101.2	99.4	100.9	122.7
Venezuela	17.4	5.9	4.2	3.0	2.5
Other Central & South America	74.7	70.5	71.2	57.2	79.7
Central & South America	82.4	82.7	80.4	73.9	94.7
Egypt	105.5	112.4	103.1	94.7	97.4
South Africa	90.9	87.7	81.2	63.3	83.8
Other Africa	18.2	18.5	21.2	18.4	18.2
Africa	28.3	28.9	30.2	26.2	27.0
Iran	247.4	239.1	223.0	204.9	216.3
Other Middle East	230.5	216.9	208.5	195.4	191.5
Middle East	214.1	204.2	194.5	179.9	180.7
China	544.6	585.6	636.0	699.2	666.5
India	66.2	71.5	75.1	64.7	76.0
Japan	504.9	514.2	498.3	416.1	456.2
South Korea	1102.1	1049.6	1039.1	955.0	1075.6
Taiwan, China	745.7	749.7	740.9	789.0	885.6
Other Asia	88.1	90.0	90.8	80.1	82.8
Asia	268.5	283.7	300.9	311.8	306.2
Oceania	159.9	158.8	156.6	143.9	170.0
World	216.7	224.3	230.4	229.0	232.8

Pig iron 2020 and 2021

million tonnes

	Production 2020	Production 2021	- Exports 2021	+ Imports 2021	Apparent = Consumption 2021
Austria	5.3	6.1	0.0	0.0	6.2
Belgium-Luxembourg	3.6	4.2 ^(e)	0.1	0.1	4.2
Czechia	3.5	3.9	0.1	0.1	3.8
Finland	1.9	2.5	0.0	0.0	2.5
France	7.7	9.5	0.1	0.1	9.5
Germany	22.5	25.7	0.2	0.3	25.7
Hungary	1.0	0.6	0.0	0.0	0.6
Italy	3.4	3.9	0.0	1.4	5.3
Netherlands	5.4	5.9	0.3	0.5	6.0
Poland	3.5	3.6	0.1	0.2	3.7
Romania	1.8	2.1	0.0	0.1	2.1
Spain	2.9	4.0	0.0	0.2	4.3
Sweden	2.9	3.0	0.0	0.0	3.0
Other EU	2.8	4.0	0.0	0.1	4.1
European Union (27)	70.9	83.0	1.0	3.1	85.1
Turkey	10.0	10.4	0.0	1.2	11.6
United Kingdom	5.2	5.8	0.0	0.0	5.8
Others	1.9	2.1 ^(e)	0.1	0.0	2.0
Other Europe	17.1	18.4	0.1	1.2	19.5
Kazakhstan	2.8	3.1 ^(e)	0.0	0.0	3.1
Russia	51.9	53.6 ^(e)	4.0	0.0	49.6
Ukraine	20.4	21.2	3.2	0.0	17.9
Other CIS	0.0	0.0	0.0 ^(e)	0.1	0.1
Russia & Other CIS + Ukraine	75.1	77.9	7.2	0.1	70.8
Canada	5.2	6.2	0.1	0.1	6.2
Mexico	2.4	2.7	0.0	0.3	2.9
United States	18.3	22.2	0.0	6.0	28.2
USMCA	26.0	31.1	0.1	6.3	37.4
Argentina	1.9	2.1	0.0	0.1	2.2
Brazil	24.6	28.5	3.3	0.0	25.3
Chile	0.7	0.7	0.0	0.0	0.7
Other Central & South America	0.2	0.3 ^(e)	0.0	0.1	0.3
Central & South America	27.4	31.6	3.3	0.3	28.6
South Africa	2.1	2.9	0.5	0.0	2.4
Other Africa	0.4	0.3 ^(e)	0.0	0.0	0.3
Africa	2.5	3.2	0.5	0.0	2.7
Iran	2.5	2.7 ^(e)	0.1	0.0	2.6
Other Middle East	0.0	0.0 ^(e)	0.2	0.3	0.0
Middle East	2.5	2.7	0.3	0.3	2.6
China	907.6	868.6	0.1	2.0	870.5
India	67.8	77.6	0.9	0.0	76.7
Japan	61.6	70.3	0.0	0.1	70.4
South Korea	45.4	46.4	0.1	0.2	46.5
Taiwan, China	13.4	15.2	0.0	0.4	15.6
Other Asia	20.0	23.1 ^(e)	0.1	0.3	23.2
Asia	1 115.8	1 101.3	1.2	3.0	1 103.0
Australia	3.7	3.8	0.0	0.0	3.8
New Zealand	0.6	0.7	0.0	0.0	0.7
Other Oceania	0.0	0.0 ^(e)	0.0	0.1	0.1
Oceania	4.3	4.4	0.0	0.1	4.5
World	1 341.7	1 353.6	13.7	14.4	1 354.3

^(e) = estimate

Direct reduced iron production 2017 to 2021

million tonnes

	2017	2018	2019	2020	2021
Germany	0.6	0.6	0.5	0.5	0.5 ^(e)
Sweden	0.1	0.1	0.1	0.1	0.1 ^(e)
European Union (27)	0.7	0.7	0.6	0.6	0.6
Russia	7.2	7.9	8.0	7.8	7.8
Canada	1.6	1.7	1.4	1.2	1.6
Mexico	6.0	6.0	6.0	5.2	5.8
United States	3.0	3.4	3.2	3.4	3.5 ^(e)
USMCA	10.6	11.0	10.7	9.7	11.0
Argentina	1.2	1.6	1.1	0.5	1.4
Trinidad and Tobago	1.6	-	-	-	-
Venezuela	0.5	0.4	0.4	0.3	0.3
Central & South America	3.3	2.0	1.5	0.8	1.7
Algeria	-	0.1	1.5	2.2	3.1
Egypt	4.7	5.8	4.4	4.8	5.4
Libya	0.6	0.6	0.9	0.8	0.9
South Africa	0.9	0.8	0.7	0.2	0.2
Africa	6.2	7.3	7.5	8.0	9.5
Bahrain	1.3	1.6	1.5	1.4	1.4 ^(e)
Iran	19.4	25.7	28.5	30.8 ^(e)	29.8
Oman	1.5	1.5	1.8	1.8	1.7
Qatar	2.5	2.5	2.4	0.8	0.8
Saudi Arabia	5.7	6.0	5.8	5.2	6.1
United Arab Emirates	3.6	3.8	3.7	3.0	3.7
Middle East	34.1	41.2	43.6	42.9	43.5
India	29.5	34.2	36.8	33.6	39.0
Indonesia	0.0	0.2	0.1	0.0	0.1 ^(e)
Malaysia	0.6	0.7	0.6	0.7 ^(e)	0.7 ^(e)
Asia	30.1	35.2	37.5	34.4 ^(e)	39.8
World	92.2	105.3	109.4	104.3	113.85

^(e) = estimate

Iron ore 2020

million tonnes, actual weight

	Production	- Exports	+ Imports	= Apparent consumption
Austria	3.0	0.0	3.2	6.2
Belgium-Luxembourg	-	-	-	0.0
Czechia	-	0.0	4.9	4.9
France	-	0.1	11.2	11.1
Germany	1.2	0.9	33.4	33.8
Italy	-	0.0	5.4	5.3
Netherlands	-	16.9	24.4	7.5
Poland	-	-	5.2	5.2
Romania	-	-	2.2	2.2
Slovakia	-	0.1	4.4	4.3
Spain	-	0.1	3.6	3.5
Sweden	29.2	27.1	0.0	2.2
Other EU	-	0.5	4.0	3.5
European Union (27)	33.4	45.6	101.9	89.6
Bosnia-Herzegovina	1.4	0.0	0.0	1.4
Norway	1.6	1.8	0.0	-0.2
Turkey	7.9	2.2	9.9	15.6
United Kingdom	-	0.0	7.1	7.1
Other Europe	-	0.0	1.4	1.4
Europe	44.2	49.7	120.3	114.9
Russia & Other CIS + Ukraine	203.1	86.1	8.2	125.2
Canada	58.8	55.1	7.1	10.7
Mexico	11.4	1.9	1.5	11.0
United States	38.6	10.4	5.2	33.3
USMCA	108.7	67.5	13.7	55.0
Brazil	391.0	342.6	0.2	48.6
Chile	15.0	17.0	0.2	-1.8
Peru	8.9	11.6	0.0	-2.8
Venezuela	1.5	0.8	-	0.7
Other Central & South America	0.3	0.6	5.1	4.8
Central & South America	416.6	372.6	5.5	49.5
Liberia	5.1	5.1	-	0.0
Mauritania	13.5	14.1	-	-0.6
South Africa	69.0	65.5	0.0	3.5
Other Africa	5.7	0.5	23.2	28.4
Africa	93.3	85.1	23.2	31.4
Middle East	53.6	10.4	25.1	68.3
China ⁽¹⁾	270.5	15.6	1 170.4	1 425.2
India	203.8	52.0	0.7	152.5
Japan	-	0.0	99.4	99.4
South Korea	0.3	0.3	70.4	70.5
Other Asia	17.9	40.9	78.9	55.9
Asia	492.6	108.8	1 419.8	1 803.6
Australia	922.5	873.0	0.9	50.4
New Zealand & Other Oceania	3.8	2.9	0.0	0.9
World	2 338.4	1 656.1	1 616.8	2 299.1

⁽¹⁾ Production adjusted so that Fe content is similar to world average. Source: RMG.

World trade in iron ore by area, 2021

million tonnes

Exporting region	Destination								Total imports	of which: extra-regional imports
	European Union (27)	Other Europe	Russia & Other CIS + Ukraine	USMCA	Other America	Africa & Middle East	Asia	Oceania		
European Union (27)	32.2	2.2	30.0	22.8	23.3	20.4	0.4	0.2	131.6	99.4
Other Europe	3.8	0.7	4.4	2.6	6.8	2.1	-	0.0	20.5	19.7
Russia & Other CIS + Ukraine	0.0	0.0	2.0	-	-	0.0	0.0	-	2.0	0.0
USMCA	0.9	0.1	0.4	10.9	4.7	0.4	0.2	0.0	17.7	6.7
Other America	0.0	-	0.0	1.1	5.8	0.1	0.4	-	7.5	1.7
Africa & Middle East	7.1	0.5	1.3	2.3	26.1	16.0	1.0	0.0	54.3	38.3
China	1.5	1.6	30.6	19.2	271.1	54.6	50.5	696.6	1125.6	1075.1
Japan	-	-	1.4	8.5	31.0	4.6	1.0	66.6	113.1	112.1
Other Asia	0.4	0.4	5.4	3.7	18.2	2.5	43.7	116.0	190.2	146.5
Oceania	0.0	0.0	-	0.0	0.0	0.9	0.0	-	0.9	0.9
Total exports	45.9	5.5	75.5	71.2	387.2	101.7	97.1	879.3	1663.4	1500.5
of which: extra-regional exports*	13.6	4.7	73.5	60.3	381.3	85.7	2.0	879.3	1500.5	
Net exports (exports-imports)	-85.8	-15.0	73.5	53.5	379.7	47.4	-1331.8	878.5		

* Excluding intra-regional trade marked

Trade in ferrous scrap 2020 and 2021

million tonnes

	Exports		Imports	
	2020	2021	2020	2021
Austria	1.2	1.4	1.2	1.3
Belgium	4.0	4.2	4.6	5.3
Bulgaria	0.4	0.6	0.2	0.1
Czechia	2.2	2.4	0.4	0.5
Finland	0.7	0.7	0.0	0.0
France	6.1	7.1	1.5	1.6
Germany	7.7	7.8	3.8	4.8
Greece	0.1	0.1	0.8	0.9
Italy	0.7	0.6	5.2	6.5
Netherlands	6.3	7.6	3.6	3.9
Poland	2.2	2.7	0.7	0.6
Slovakia	0.8	0.8	0.3	0.4
Spain	0.6	0.9	3.3	4.1
Sweden	1.4	1.4	0.2	0.2
Other EU	7.7	9.5	5.4	5.9
European Union (27)	42.1	47.9	31.1	36.2
Turkey	0.2	0.2	22.5	25.0
United Kingdom	6.9	8.3	0.4	0.4
Others	2.3	2.4	1.1	1.2
Other Europe	9.3	10.9	24.0	26.6
Kazakhstan	0.5	0.9	0.0	0.0
Russia	4.7	4.1	0.5	0.9
Ukraine	0.0	0.6	0.0	0.0
Other CIS	0.1	0.3	1.5	1.5
Russia & Other CIS + Ukraine	5.3	5.9	2.0	2.4
Canada	4.5	4.9	1.0	0.8
Mexico	0.7	0.7	2.1	2.7
United States	16.9	17.9	4.5	5.3
USMCA	22.1	23.4	7.7	8.7
Brazil	0.7	0.5	0.1	0.2
Other Central & South America	1.6	3.3	0.5	1.1
Central & South America	2.3	3.8	0.6	1.4
South Africa	0.3	0.2	0.1	0.1
Other Africa	0.8	1.4	0.6	1.8
Africa	1.2	1.6	0.7	1.9
Middle East	3.0	3.9	0.9	0.8
China	0.0	0.0	0.0	0.6
Japan	9.4	7.3	0.0	0.1
South Korea	0.3	0.4	4.4	4.8
Taiwan, China	0.1	0.2	3.6	3.1
Other Asia	2.6	2.7	23.6	22.8
Asia	12.3	10.5	31.7	31.3
Australia & New Zealand	2.7	2.8	0.1	0.1
World	100.3	110.7	98.8	109.5

World trade in ferrous scrap by area, 2021

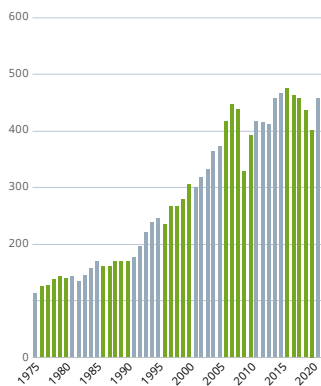
million tonnes

Exporting region	Destination										Total imports	of which: extra-regional imports
	European Union (27)	Other Europe	Russia & Other CIS + Ukraine	USMCA	Other America	Africa & Middle East	China	Japan	Other Asia	Oceania		
European Union (27)	28.6	3.3	0.6	0.7	0.5	0.3	-	0.0	0.0	0.0	34.0	5.5
Other Europe	14.3	2.6	2.5	3.8	0.9	1.4	-	0.0	0.0	0.0	25.6	23.0
Russia & Other CIS + Ukraine	0.4	0.0	1.1	0.0	0.0	0.0	0.0	-	0.0	0.0	1.5	0.4
USMCA	0.6	0.3	0.0	8.4	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.9
Other America	0.0	0.0	-	0.8	0.3	0.0	-	-	0.0	0.0	1.1	0.9
Africa	2.2	1.6	0.1	0.5	0.0	0.2	-	-	0.0	0.0	4.5	4.3
Middle East	0.1	0.2	0.0	0.2	0.0	0.2	-	0.0	0.0	0.0	0.8	0.6
China	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.6	0.6
Japan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.1	0.0	0.1	0.1
Other Asia	1.8	2.7	0.9	8.8	2.0	3.5	0.0	6.9	2.9	2.7	32.1	29.2
Oceania	0.0	0.0	-	0.0	0.0	-	-	-	0.0	0.1	0.2	0.1
Total exports	47.9	10.9	5.1	23.3	3.8	5.5	0.0	7.3	3.2	2.8	109.8	65.4
of which: extra-regional exports*	19.3	8.2	4.1	14.9	3.5	5.2	0.0	7.3	0.3	2.7	65.4	
Net exports (exports-imports)	13.9	-14.7	3.7	14.0	2.6	0.2	-0.6	7.2	-28.9	2.6		

* Excluding intra-regional trade marked

World steel trade in products 1975 to 2021

million tonnes



Exports are of finished and semi-finished steel products. Production of finished steel, where not available from national sources, is calculated from crude steel production, taking into account the continuous casting ratio.

Year	Exports	Production	Exports share %
1975	114.7	506.9	22.6
1980	140.6	578.7	24.3
1985	171.0	599.0	28.5
1990	171.0	654.0	26.2
1991	177.1	660.0	26.8
1992	196.1	658.0	29.8
1993	222.5	664.9	33.5
1994	238.6	656.2	36.4
1995	246.6	685.6	36.0
1996	236.4	687.1	34.4
1997	267.9	730.1	36.7
1998	268.7	713.4	37.7
1999	280.8	725.8	38.7
2000	307.5	783.6	39.2
2001	300.5	785.9	38.2
2002	318.0	837.1	38.0
2003	333.6	899.1	37.1
2004	368.3	985.6	37.4
2005	373.3	1 065.5	35.0
2006	418.5	1 161.3	36.0
2007	446.8	1 255.4	35.6
2008	438.5	1 250.4	35.1
2009	330.1	1 155.9	28.6
2010	392.7	1 337.6	29.4
2011	418.7	1 435.4	29.2
2012	416.0	1 458.2	28.5
2013	412.6	1 542.4	26.8
2014	457.4	1 562.6	29.3
2015	467.4	1 514.6	30.9
2016	476.8	1 522.1	31.3
2017	462.9	1 619.0	28.6
2018	457.2	1 702.2	26.9
2019	438.8	1 738.3	25.2
2020	405.6	1 753.4	23.1
2021	458.9	1 820.0	25.2

World steel exports by product 2017 to 2021

million tonnes

	2017	2018	2019	2020	2021
Ingots and semi-finished material	60.2	61.8	56.1	55.7	61.2
Railway track material	2.7	2.6	4.9	2.6	2.8
Angles, shapes and sections	22.1	22.7	21.5	19.6	20.3
Concrete re-inforcing bars	18.3	18.8	19.1	19.2	22.1
Bars and rods, hot-rolled	21.2	18.7	15.2	12.8	15.3
Wire rod	27.0	27.6	26.8	25.2	28.9
Drawn wire	8.9	9.0	8.8	8.7	9.6
Other bars and rods	5.9	6.4	5.6	4.5	6.1
Hot-rolled strip	3.9	3.8	3.2	2.8	3.5
Cold-rolled strip	4.5	4.5	4.0	3.7	4.8
Hot-rolled sheets and coils	85.0	78.9	78.4	74.6	79.2
Plates	33.2	33.3	32.8	29.4	30.9
Cold-rolled sheets and coils	37.4	35.7	32.5	19.0	36.7
Electrical sheet and strip	4.5	4.6	4.1	3.9	5.1
Tinmill products	7.0	6.8	6.9	7.0	6.8
Galvanised sheet	46.2	44.7	43.0	37.0	45.3
Other coated sheet	18.0	17.9	18.2	18.1	20.2
Steel tubes and fittings	41.9	41.2	40.9	32.3	34.3
Wheels (forged and rolled) and axles	0.8	0.9	0.8	0.7	0.9
Castings	1.2	1.3	1.3	1.1	1.4
Forgings	1.0	1.1	1.0	0.9	1.0
Total	450.7	442.2	425.2	378.8	436.3

Exports include intra-EU trade, trade between countries of the CIS, and trade between USMCA countries. The figures are based on a broad definition of the steel industry and its products, including ingots, semi-finished products, hot-rolled and cold-finished products, tubes, wire, and unworked castings and forgings. The above table comprises the exports of 62 countries, which represents approximately 94.8 per cent of total world trade in 2021.

World volume of trade 2000 to 2021

Quantum indices 2000 = 100



World trade in steel by area 2021

million tonnes

Exporting region Destination	Importing region										Total imports	of which: extra-regional imports
	European Union (27)	Other Europe	Russia & Other CIS + Ukraine	USMCA	Other America	Africa & Middle East	China	Japan	Other Asia	Oceania		
European Union (27)	108.0	12.4	16.9	0.1	0.6	2.4	3.0	1.0	11.6	0.0	156.0	48.1
Other Europe	11.5	2.2	7.4	0.1	0.1	1.0	2.0	0.6	4.3	0.0	29.2	27.0
Russia & Other CIS + Ukraine	0.8	0.6	9.6	0.0	0.0	0.0	2.0	0.0	0.5	0.0	13.5	3.9
USMCA	5.9	2.3	4.3	20.1	7.5	1.6	2.2	3.1	10.3	0.3	57.5	37.4
Other America	1.1	3.0	2.9	1.1	4.6	0.2	9.8	1.3	1.4	0.0	25.3	20.7
Africa	2.5	3.0	2.9	0.0	0.0	1.4	7.2	0.8	2.1	0.0	19.9	18.6
Middle East	1.2	4.0	2.2	0.1	0.1	3.5	5.3	0.4	2.9	0.0	19.7	16.2
China	1.2	0.2	1.2	0.1	0.1	3.6	-	4.9	16.5	0.0	27.8	27.8
Japan	0.0	0.0	0.0	0.0	0.0	0.0	0.9	-	4.5	0.0	5.5	5.5
Other Asia	1.6	1.6	4.9	0.2	0.4	4.2	33.0	21.4	33.4	0.2	100.9	67.5
Oceania	0.3	0.2	0.0	0.0	0.0	0.1	0.9	0.1	2.9	0.2	5.0	4.7
Total exports	134.0	29.4	52.4	21.8	13.5	18.0	66.2	33.8	90.4	0.8	460.3	277.4
of which: extra-regional exports*	26.0	27.3	42.7	1.7	8.9	13.2	66.2	33.8	57.0	0.6	277.4	
Net exports (exports - imports)	-22.0	0.3	38.9	-35.7	-118	-216	38.4	283	-105	-4.2		

* Excluding intra-regional trade marked

Major importers and exporters of steel 2021

million tonnes

Rank	Total exports	Mt
1	China	66.2
2	Japan	33.8
3	Russia	32.6
4	South Korea	26.8
5	European Union (27) ¹	26.0
6	Germany ²	23.9
7	Turkey	22.1
8	India	20.4
9	Italy ²	17.2
10	Ukraine	15.7
11	Belgium ²	15.5
12	France ²	12.6
13	Brazil	11.5
14	Vietnam	11.2
15	Taiwan, China	10.8
16	Netherlands ²	10.1
17	Indonesia	9.9
18	Spain ²	9.7
19	Malaysia	8.3
20	United States	8.2

Rank	Total imports	Mt
1	European Union (27) ¹	48.1
2	United States	29.7
3	China	27.8
4	Germany ²	23.3
5	Italy ²	20.8
6	Turkey	16.2
7	Thailand	15.7
8	Mexico	15.1
9	South Korea	14.1
10	Poland ²	13.7
11	Belgium ²	13.7
12	France ²	13.3
13	Vietnam	13.0
14	Netherlands ²	10.5
15	Indonesia	10.2
16	Spain ²	10.1
17	Canada	9.9
18	Taiwan, China	9.6
19	Czechia ²	8.5
20	Philippines	7.2

Rank	Net exports (exports - imports)	Mt
1	China	38.4
2	Japan	28.3
3	Russia	27.6
4	India	14.5
5	Ukraine	14.4
6	South Korea	12.7
7	Brazil	6.6
8	Turkey	5.9
9	Oman	3.7
10	Austria ²	2.6
11	Malaysia	2.0
12	Belgium ²	1.8
13	Luxembourg ²	1.7
14	Taiwan, China	1.3
15	Iran	1.3

Rank	Net imports (imports - exports)	Mt
1	European Union (27) ¹	22.0
2	United States	21.4
3	Thailand	13.7
4	Mexico	9.1
5	Poland ²	8.0
6	Philippines	7.2
7	Israel	3.8
8	Italy ²	3.6
9	Czechia ²	3.3
10	Colombia	3.1
11	United Kingdom	3.0
12	Pakistan	2.9
13	Hong Kong, China	2.7
14	Peru	2.5
15	Canada	2.4

⁽¹⁾ Excluding intra-regional trade

⁽²⁾ Data for individual European Union (27) countries include intra-European trade

Indirect trade in steel 2000 to 2019

million tonnes, finished steel equivalent



An explanation of the methodology of indirect trade in steel can be found in the report 'Indirect Trade in Steel (March 2015)' at worldsteel.org/publications/steel-reports.

Year	Indirect exports, Mt
2000	172.1
2001	178.1
2002	187.8
2003	199.1
2004	224.0
2005	249.2
2006	269.5
2007	292.4
2008	303.6
2009	231.4
2010	285.4
2011	323.8
2012	324.1
2013	319.1
2014	324.5
2015	322.4
2016	329.8
2017	341.5
2018	354.6
2019	358.9

True steel use 2015 to 2019

million tonnes, finished steel equivalent

	2015	2016	2017	2018	2019
France	17.1	18.4	19.0	19.1	19.7
Germany	28.8	31.0	30.3	28.4	27.9
Italy	18.8	18.5	19.5	20.2	20.2
Spain	10.8	10.3	11.0	11.6	12.3
European Union (27)	126.8	132.3	136.8	143.8	139.7
Turkey	32.5	32.1	33.5	26.7	20.7
United Kingdom	16.5	17.1	16.9	16.8	16.2
Other Europe	56.7	57.0	58.3	51.7	45.0
Russia	43.8	43.5	46.9	47.1	49.8
Russia & Other CIS + Ukraine	52.0	52.7	57.7	58.4	62.0
Canada	18.6	18.6	19.1	19.3	18.2
Mexico	20.2	20.1	22.7	21.1	15.2
United States	118.9	115.4	122.2	127.1	125.7
USMCA	157.8	154.1	164.0	167.5	159.2
Brazil	22.6	19.2	19.4	21.2	21.3
Central & South America	47.0	39.9	41.9	42.5	41.5
Africa and Middle East	89.4	84.5	82.3	79.9	81.8
China	611.7	620.5	706.2	761.5	825.5
Japan	48.3	46.9	50.3	51.5	49.4
South Korea	39.7	41.6	41.7	41.3	40.5
Asia and Oceania	880.3	904.1	996.5	1 066.4	1 130.1
Total¹	1 410.0	1 424.7	1 537.6	1 610.3	1 659.2

⁽¹⁾ The total comprises 74 countries.

Major indirect importers and exporters of steel 2019

million tonnes, finished steel equivalent

Rank	Indirect exports	Mt
1	China	95.8
2	Germany*	32.9
3	Japan	21.7
4	United States	20.9
5	South Korea	17.9
6	Mexico	17.2
7	Italy*	13.3
8	Poland*	9.9
9	Spain*	9.5
10	Turkey	8.6

Rank	Net indirect exports (exports - imports)	Mt
1	China	86.4
2	Japan	13.9
3	South Korea	12.7
4	Mexico	9.1
5	Germany*	7.2

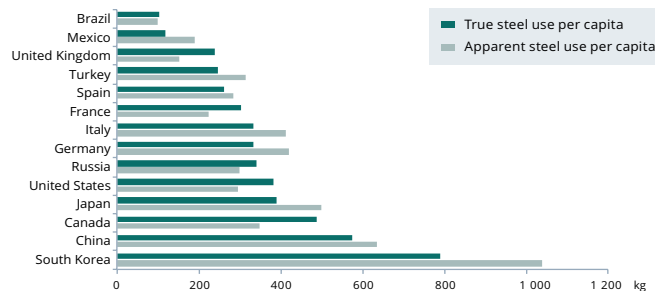
Rank	Indirect imports	Mt
1	United States	49.0
2	Germany*	25.7
3	France*	13.8
4	United Kingdom	11.9
5	Canada	11.6
6	China	9.4
7	Belgium-Luxembourg*	8.8
8	Russia	8.8
9	Spain*	8.5
10	Italy*	8.5

Rank	Net indirect imports (imports - exports)	Mt
1	United States	28.1
2	Russia	6.3
3	United Kingdom	6.0
4	Canada	5.2
5	France*	5.1

*Data for individual European Union (27) countries include intra-European trade

Apparent and true steel use per capita, 2019

kilograms, finished steel equivalent



About us



The World Steel Association (worldsteel) is one of the largest and most dynamic industry associations in the world, with members in every major steel-producing country.



worldsteel represents steel producers, national and regional steel industry associations, and steel research institutes. Members represent around 85% of global steel production.



worldsteel's mission is to promote the steel industry and steel as a material, find global solutions to the environmental challenge, identify and analyse important megatrends, and encourage alignment between regional and national steel associations.

More information



In addition to this World Steel in Figures publication, worldsteel releases data on a monthly and annual basis. A selection of this data is available for free at worldsteel.org/steel-by-topic/statistics/.

A more comprehensive selection of data can be purchased through our bookshop at worldsteel.org/publications/bookshop/. For more details contact subscribers@worldsteel.org.

Notation used in this publication:

(e)	indicates a figure that has been estimated.
0.0	indicates that the quantity concerned is less than 0.05.
-	indicates zero or no data.

World Steel Association

Avenue de Tervueren 270
1150 Brussels
Belgium

T: +32 (0) 2 702 89 00
F: +32 (0) 2 702 88 99
E: steel@worldsteel.org

C413 Office Building
Beijing Lufthansa Center
50 Liangmaqiao Road
Chaoyang District
Beijing 100125
China

T : +86 10 6464 6733
F : +86 10 6468 0728
E : china@worldsteel.org

worldsteel.org



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