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# KEY STATISTICS

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2016



UK  
Steel



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### Note

1. Variations in aggregated totals are due to rounding.

**All data was provided by the International Statistics Bureau (ISSB) unless otherwise stated. Please contact ISSB if further details are required.**

## Key statistics

**-59%**

The number of people employed in the UK steel industry since 1995

**-37%**

UK steel production since 1995 & down 10% on 2014

**-2%**

UK demand for steel compared to 2014

**-15%**

Cost of steel compared to 2014

**+395%**

Chinese steel export growth up on 2009

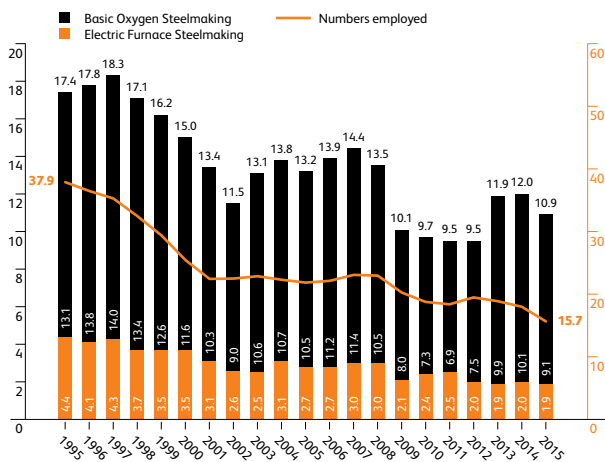
**-5%**

Chinese domestic steel demand compared to 2014

## Annual crude steel production and numbers employed 1995 - 2015

Million tonnes

Numbers employed (000s)

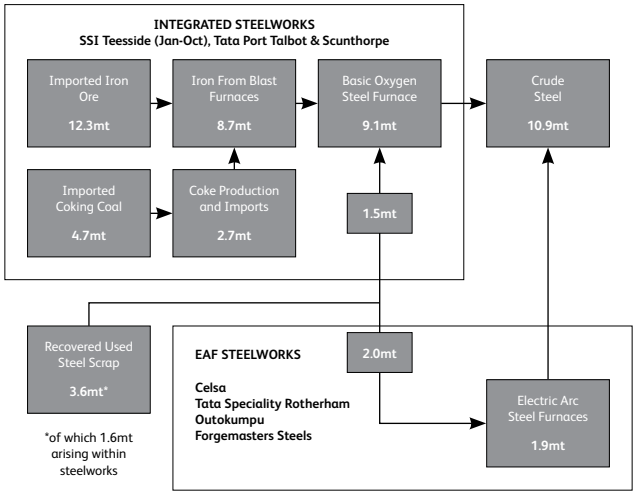


Employees as engaged on ECSC steel industry activities.

# UK steel production

## UK steelmaking 2015

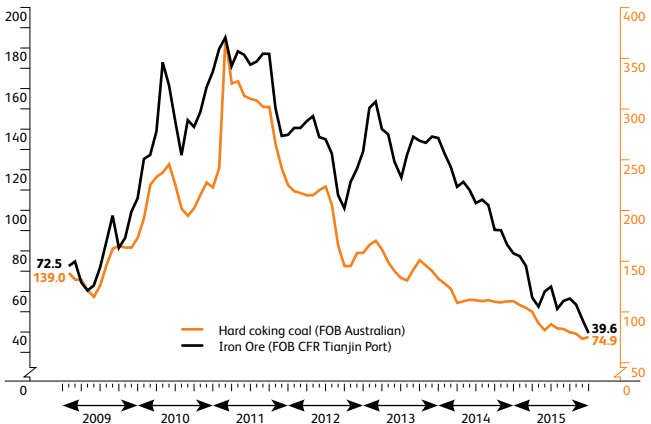
### Materials & production



## Raw material costs - iron ore & hard coking coal Jan 2009 - Dec 2015

China import iron ore fines 62% Fe spot  
(US\$ per dry metric tonne)

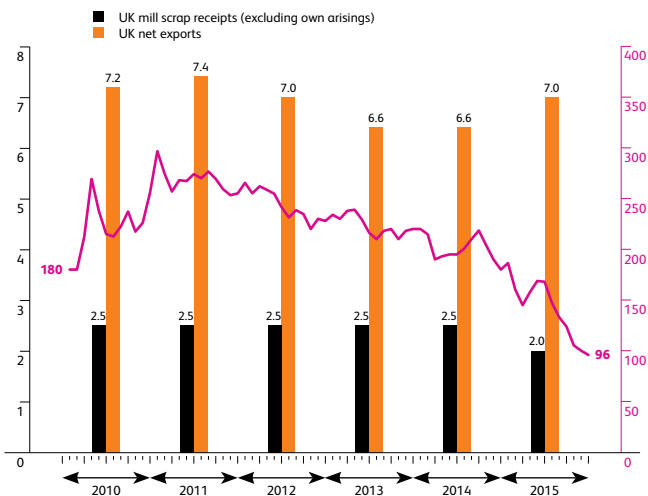
Australia export  
(US\$ per tonne)



## Scrap: mill receipts, net exports & price

Million tonnes per year  
2010 - 2015

£ per tonne delivered  
Jan 2010 - Dec 2015



## Energy per tonne of steel produced 1973 - 2015

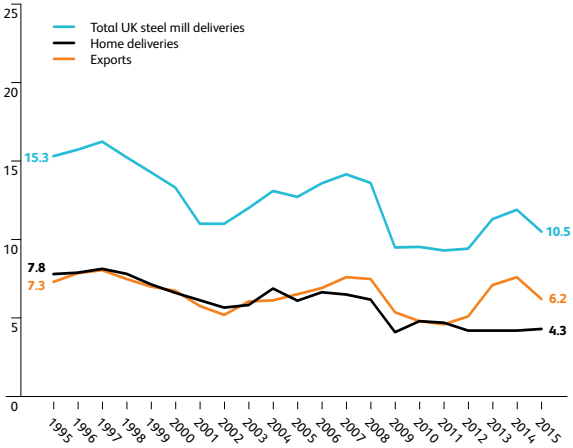
Gj per tonne



# UK steel deliveries

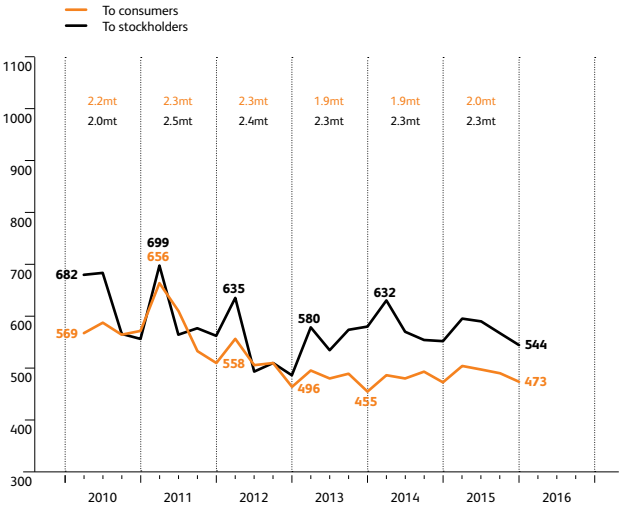
## UK steel mill home and export deliveries 1995 - 2015

Million tonnes



## UK steel mill deliveries to UK consumers and stockholders Q1 2010 - Q4 2015 by quarter

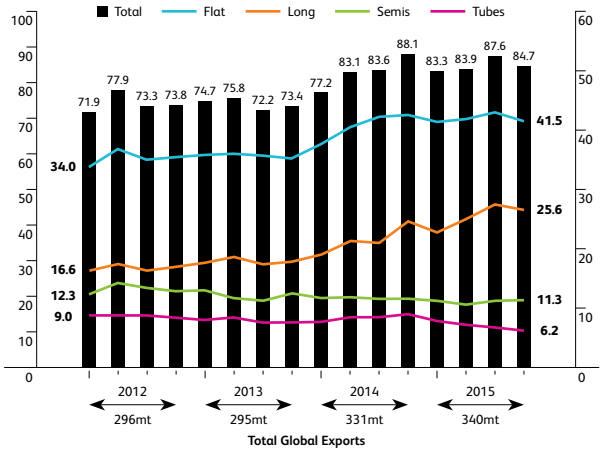
Thousand tonnes



## Global traded volumes 2012 - 2015 by quarter

Million tonnes by total

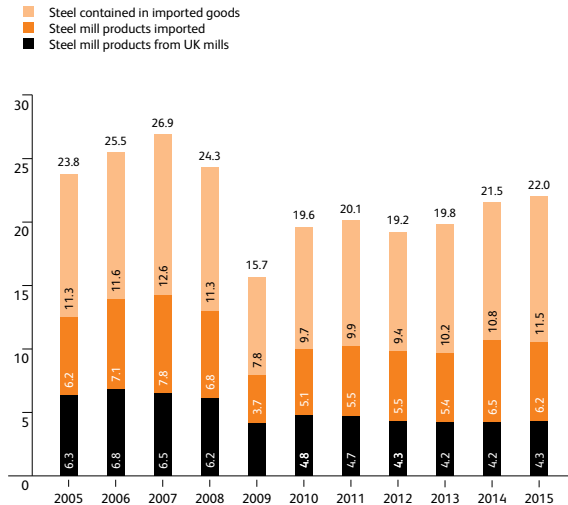
Million tonnes by product



Excludes EU internal trade

## UK steel requirement 2005 - 2015

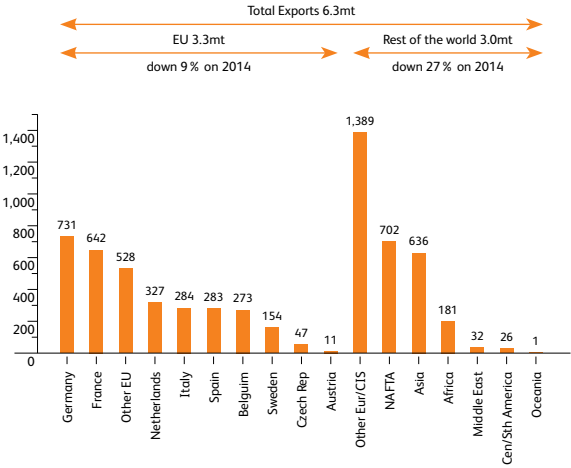
Million tonnes



# UK steel trade

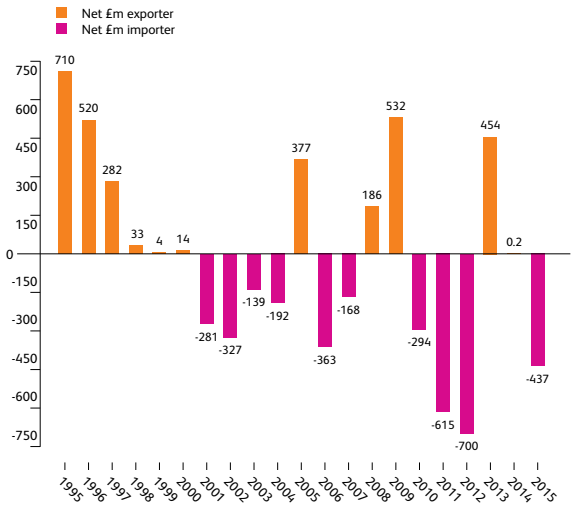
## UK steel mill exports 2015

Thousand tonnes



## UK trade balance: steel mill products 1995 - 2015

£million

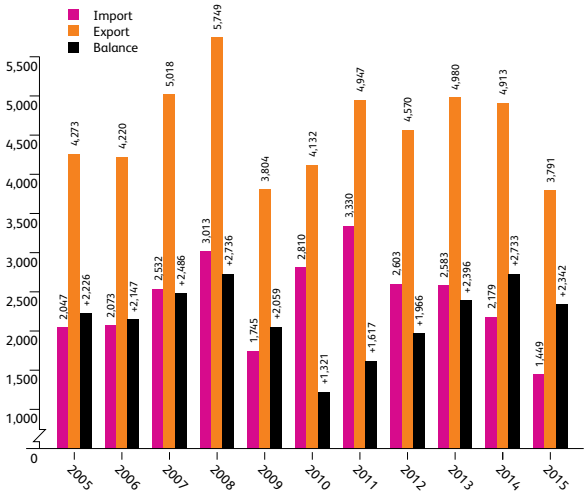




## UK steel industry contribution to balance of trade 2005 - 2015

(UK steel exports by value minus cost of imported raw materials and semis)

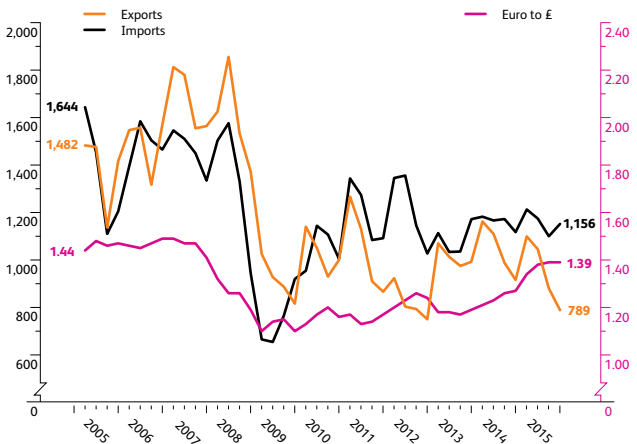
£million



## Exchange rate/UK steel exports & imports to/from EU countries 2005 - 2015 by quarter

Thousand tonnes quarterly

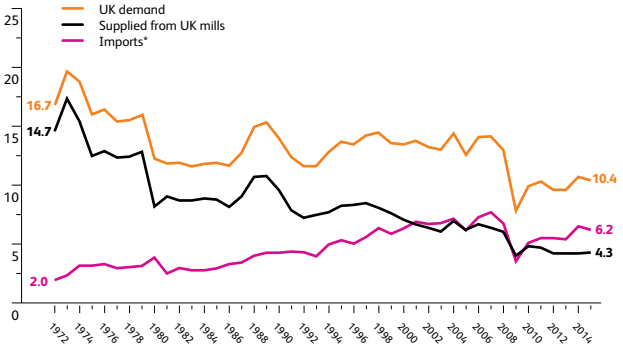
Euro to £



# UK steel market

## UK demand for steel mill products 1972 - 2015

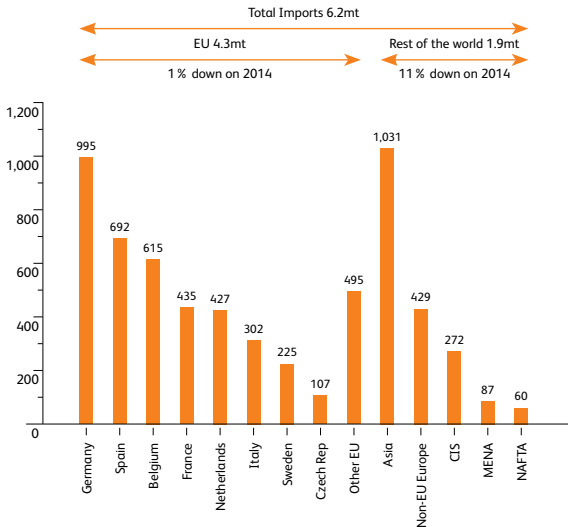
Million tonnes per year



\*Excludes any imports made by steel producers

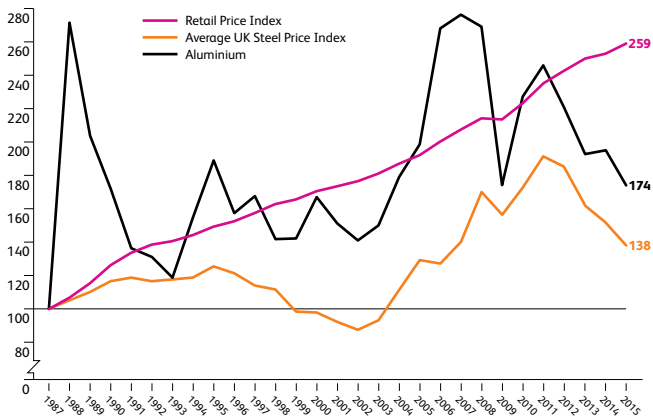
## UK imports of steel mill products by country of origin 2015 (Imports exclude material for steel industry conversion)

Thousand tonnes



## Index of UK steel & aluminium price compared to RPI 1987 - 2015

Index (1987 = 100)

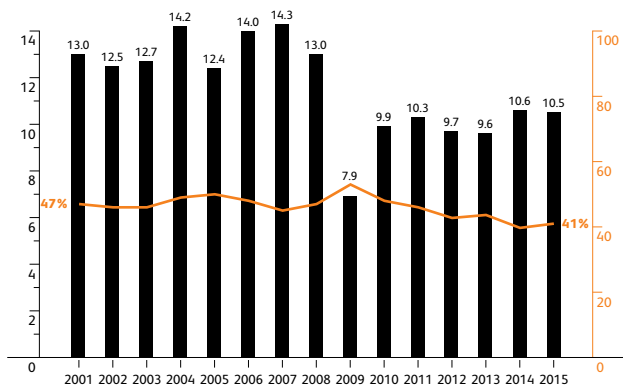


Aluminium price source: Indexmundi

## UK apparent demand & domestic share - steel industry products 2001 - 2015

Million tonnes

% domestic share



## UK steel market statistics

### Home deliveries

Thousand tonnes

Steel Industry Products - All Qualities	2012	2013	2014	2015
Non Alloy Ingots & Semis	22.5	18.5	12.4	11.5
Rebar and Non Alloy Rods & Bars in Coil	672.8	628.6	673.4	697.0
Non Alloy Hot Rolled Bars in Length	144.2	140.2	135.4	129.8
Non Alloy Heavy Sections, Sheet Piling & Railway material	534.6	531.9	537.4	625.7
Non Alloy Light Sections	49.2	56.7	53.7	54.5
Non Alloy Plates in Coil and in Lengths	770.9	836.1	854.6	895.3
Non Alloy Sheets Uncoated & Coated (Inc. HR Strip)	1251.0	1307.5	1257.3	1227.0
Stainless & Heat Resisting Ingots & Semis	0.7	0.4	0.4	0.5
Stainless & Heat Resisting Long	10.9	8.3	7.0	5.8
Stainless & Heat Resisting Flat	0	0	0	0
Other Alloy Ingots & Semis	14.4	10.5	8.3	10.1
Other Alloy Long	112.8	106.3	111.8	87.2
Other Alloy Flat	96.5	88.0	88.7	67.2
Bright Bar All Qualities	78.5	78.3	80.7	74.4
Tubes All Qualities	373.1	344.8	387.6	356.4
Cold Rolled Narrow Strip All Qualities	34.3	33.5	32.1	24.7
<b>Total</b>	<b>4166.4</b>	<b>4189.4</b>	<b>4240.9</b>	<b>4267.1</b>

### Imports

Thousand tonnes

Steel Industry Products - All Qualities	2012	2013	2014	2015
Non Alloy Ingots & Semis	22.0	75.9	69.1	55.8
Rebar and Non Alloy Rods & Bars in Coil	484.7	563.4	765.7	760.2
Non Alloy Hot Rolled Bars in Length	138.1	131.8	136.0	115.2
Non Alloy Heavy Sections, Sheet Piling & Railway material	584.6	691.7	789.4	767.8
Non Alloy Light Sections	35.0	32.8	46.6	27.0
Non Alloy Plates in Coil and in Lengths	779.6	722.0	905.6	831.0
Non Alloy Sheets Uncoated & Coated (Inc. HR Strip)	1929.5	1793.1	2099.6	2079.2
Stainless & Heat Resisting Ingots & Semis	13.2	7.8	8.6	6.2
Stainless & Heat Resisting Long	17.6	17.5	22.2	17.0
Stainless & Heat Resisting Flat	195.5	193.2	221.8	219.1
Other Alloy Ingots & Semis	70.5	49.7	28.9	10.8
Other Alloy Long	134.3	111.9	145.0	133.7
Other Alloy Flat	94.6	101.3	159.5	167.8
Bright Bar All Qualities	124.4	114.5	117.9	91.6
Tubes All Qualities	812.5	711.8	869.0	830.0
Cold Rolled Narrow Strip All Qualities	52.3	50.9	65.3	68.8
<b>Total</b>	<b>5488.2</b>	<b>5369.2</b>	<b>6450.2</b>	<b>6181.2</b>

## UK demand

Thousand tonnes

Steel Industry Products - All Qualities	2012	2013	2014	2015
Non Alloy Ingots & Semis	44.5	94.4	81.4	67.3
Rebar and Non Alloy Rods & Bars in Coil	1157.4	1192.0	1439.1	1457.2
Non Alloy Hot Rolled Bars in Length	282.2	272.0	271.4	245.0
Non Alloy Heavy Sections, Sheet Piling & Railway material	1119.2	1223.6	1326.8	1393.5
Non Alloy Light Sections	84.3	89.4	100.3	81.5
Non Alloy Plates in Coil and in Lengths	1550.5	1558.1	1760.2	1726.1
Non Alloy Sheets Uncoated & Coated (Inc. HR Strip)	3180.5	3100.5	3357.0	3306.2
Stainless & Heat Resisting Ingots & Semis	13.9	8.2	9.0	6.7
Stainless & Heat Resisting Long	28.4	25.8	29.2	22.8
Stainless & Heat Resisting Flat	195.5	193.2	221.8	219.1
Other Alloy Ingots & Semis	84.9	60.2	37.2	21.0
Other Alloy Long	247.0	218.2	256.8	220.8
Other Alloy Flat	191.1	189.2	248.3	235.1
Bright Bar All Qualities	202.9	192.8	198.6	166.1
Tubes All Qualities	1185.6	1056.5	1256.6	1186.3
Cold Rolled Narrow Strip All Qualities	86.6	84.5	97.5	93.5
<b>Total</b>	<b>9654.6</b>	<b>9558.7</b>	<b>10691.1</b>	<b>10448.2</b>

## Exports

Thousand tonnes

Steel Industry Products - All Qualities	2012	2013	2014	2015
Non Alloy Ingots & Semis	1639.7	3007.2	3389.4	2262.0
Rebar and Non Alloy Rods & Bars in Coil	763.3	779.8	711.2	745.3
Non Alloy Hot Rolled Bars in Length	252.0	234.4	233.8	225.4
Non Alloy Heavy Sections, Sheet Piling & Railway material	148.6	190.2	296.6	355.7
Non Alloy Light Sections	48.2	47.5	43.1	45.6
Non Alloy Plates in Coil and in Lengths	650.4	1062.2	1082.3	909.1
Non Alloy Sheets Uncoated & Coated (Inc. HR Strip)	608.3	926.7	1050.3	961.7
Stainless & Heat Resisting Ingots & Semis	151.7	138.1	123.3	100.5
Stainless & Heat Resisting Long	18.0	20.4	21.2	19.0
Stainless & Heat Resisting Flat	0.5	1.2	0.5	0.5
Other Alloy Ingots & Semis	22.4	23.3	22.6	13.1
Other Alloy Long	181.3	164.1	196.9	146.6
Other Alloy Flat	113.6	113.9	98.1	84.4
Bright Bar All Qualities	89.7	84.5	94.4	80.6
Tubes All Qualities	425.5	274.1	278.5	288.6
Cold Rolled Narrow Strip All Qualities	4.1	4.7	6.8	8.4
<b>Total</b>	<b>5117.3</b>	<b>7072.4</b>	<b>7648.9</b>	<b>6246.5</b>

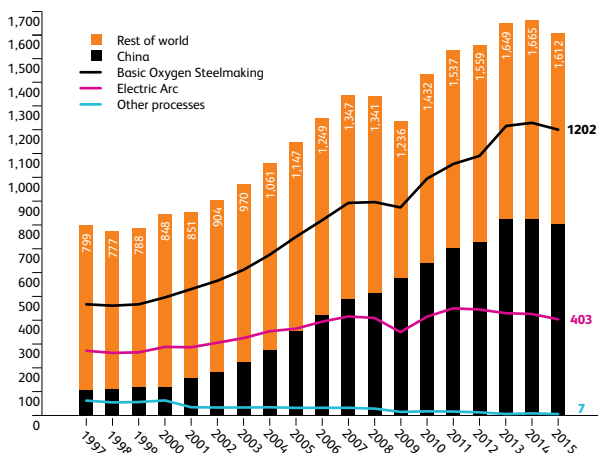
## % total imports to total home market 2012 - 2015



# Steel in the World

## World crude steel production 1997 - 2015

Million tonnes



Source: worldsteel

## World top ten steel exporters & importers

Million tonnes

EXPORT				% change
Position 2015		2014	2015	2015 on 2014
1	China	88.6	107.3	21
2	Japan	40.9	40.4	-1
3	EU28	35.1	31.9	-9
4	S Korea	31.1	30.4	-2
5	Russia	27.7	29.3	6
6	Ukraine	21.4	17.6	-18
7	Turkey	15.6	14.6	-7
8	Brazil	9.7	13.6	41
9	Taiwan	11.8	11.0	-7
10	USA	11.2	9.3	-17
	Other	38.8	34.0	-12
	<b>Total</b>	<b>332.0</b>	<b>339.5</b>	<b>2</b>

IMPORT				% change
Position 2015		2014	2015	2015 on 2014
1	EU28	30.4	36.1	19
2	USA	39.4	34.4	-13
3	S Korea	21.8	21.1	-3
4	Turkey	13.2	18.4	39
5	Thailand	14.8	14.4	-3
6	India	9.2	12.9	41
7	China	14.5	12.8	-11
8	Indonesia	10.7	11.1	4
9	Mexico	8.8	9.7	10
10	Canada	9.8	7.6	-22
	Other	71.7	62.2	-13
	<b>Total</b>	<b>244.3</b>	<b>240.9</b>	<b>-1</b>

Excludes EU internal trade.

## Global steel consumption by region 2005 - 2015

### Based on apparent consumption of finished steel

Million tonnes

Region/Country	2005	2015	% Change 2015 on 2005
EU	168.4	153.3	-9
Non-EU Europe	24.2	40.1	66
CIS	41.8	50.0	20
NAFTA	140.2	134.5	-4
Central & South America	29.9	45.4	52
Africa	19.4	39.0	101
Middle East	34.1	53.0	56
Asia Exc China	233.0	304.6	31
China	347.5	672.3	93
Oceania	7.9	7.9	0
<b>Total World</b>	<b>1046.4</b>	<b>1500.1</b>	<b>43</b>

Source: worldsteel

## Crude steel production 2015

Million tonnes

EU PRODUCERS	Total	Basic Oxygen	Electric Arc	Open Hearth
Germany	42.7	30.1	12.6	
Italy	22.0	4.9	17.1	
France	15.0	9.8	5.2	
Spain	14.8	4.7	10.1	
UK	10.9	9.1	1.8	
Poland	9.2	5.3	3.9	
Austria	7.7	7.0	0.7	
Belgium	7.3	4.8	2.4	
Other EU	36.5	25.0	11.5	
<b>Total EU</b>	<b>166.1</b>	<b>100.8</b>	<b>65.3</b>	

### WORLD PRODUCERS

China (est)	803.8	755.0	48.8	
EU28	166.1	100.8	65.3	
Japan	105.2	81.1	24.1	
India*	89.6	38.8	50.7	
USA	78.8	29.4	49.5	
S Korea	69.7	48.5	21.1	
Russia	69.4	47.0	20.1	1.7
Brazil	33.2	26.1	6.6	
Turkey	31.5	11.0	20.5	
Ukraine	22.9	16.5	1.3	5.2
Taiwan, China	21.4	13.3	8.0	
Mexico	18.2	5.4	12.8	
Iran	16.1	2.4	13.7	
Canada	12.5	6.7	5.8	
South Africa (est)	6.4	3.9	2.5	
<b>Total World**</b>	<b>1,612.4</b>	<b>1,201.1</b>	<b>402.7</b>	<b>6.9</b>

Source: worldsteel. (est) - estimated. \*Basic Oxygen includes Open Hearth.

## UK Steel

Broadway House, Tothill Street, London SW1H 9NQ

T: +44 (0)20 7222 7777

E: [steel@eef.org.uk](mailto:steel@eef.org.uk)

Twitter: [@EEF\\_UKSteel](https://twitter.com/EEF_UKSteel)

W: [www.eef.org.uk/uksteel](http://www.eef.org.uk/uksteel)

## ISSB Limited

Corinthian House, 17 Landsdowne Road, Croydon CR0 2BX

T: +44 (0)20 7343 3900

E: [info@issb.co.uk](mailto:info@issb.co.uk)

Twitter: [@SteelStats](https://twitter.com/SteelStats)

W: [www.issb.co.uk](http://www.issb.co.uk)

