

STEEL STATISTICAL YEARBOOK 2018



Preface

This yearbook presents a cross-section of steel industry statistics that are exchanged or published by the World Steel Association. The co-operation of both members and non-members in supplying the information included in this publication is gratefully acknowledged. Further details of the statistical sources used are given in the Annex (p. 121). These contents were finalised in November 2018.

Data are expressed in thousand metric tons unless stated otherwise.

Zero indicates that the quantity concerned is less than 500 tonnes.

'e' indicates a figure that has been estimated by the World Steel Association.

Totals comprise listed countries only. Trade data totals include intra-regional exports and imports.

Three dots (...) indicate that an item of information was not available.

World Steel Association

Economics Committee

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Table 1

Total Production of Crude Steel *

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	7 594	5 662	7 206	7 474	7 421	7 953	7 876	7 687	7 438	8 135
Belgium	10 673	5 635	7 973	8 026	7 301	7 093	7 331	7 257	7 687	7 842
Bulgaria	1 330	726	737	835	633	523	612	543	527	652
Croatia	89	43	95	96	1	135	167	122	0	0
Czech Republic	6 387	4 594	5 180	5 583	5 072	5 171	5 360	5 262	5 305	4 550
Germany	45 833	32 670	43 830	44 284	42 661	42 645	42 943	42 676	42 080	43 297
Finland	4 417	3 066	4 029	3 989	3 759	3 517	3 807	3 988	4 101	4 003
France	17 879	12 840	15 414	15 780	15 609	15 685	16 143	14 984	14 413	15 505
Greece	2 477	2 000	1 821	1 934	1 247	1 030	1 022	910	1 158	1 359
Hungary	2 097	1 403	1 678	1 746	1 542	883	1 152	1 675	1 274	1 901
Italy	30 590	19 848	25 750	28 735	27 252	24 093	23 714	22 018	23 373	24 068
Latvia	635	692	655	568	805	198				
Luxembourg	2 582	2 141	2 548	2 521	2 208	2 090	2 193	2 127	2 175	2 172
Netherlands	6 853	5 194	6 651	6 937	6 879	6 713	6 964	6 995	6 917	6 781
Poland	9 728	7 128	7 993	8 779	8 366	7 950	8 558	9 198	9 001	10 332
Portugal	2 017	1 614	1 543	1 942	1 960	2 050	2 070	2 030	2 010	2 076
Romania	5 035	2 761	3 721	3 828	3 292	2 985	3 158	3 352	3 276	3 361
Slovak Republic	4 489	3 747	4 583	4 236	4 403	4 511	4 705	4 562	4 808	4 974
Slovenia	642	430	606	648	632	618	615	604	613	648
Spain	18 640	14 358	16 343	15 504	13 639	14 252	14 249	14 845	13 616	14 444
Sweden	5 198	2 804	4 846	4 867	4 326	4 404	4 539	4 374	4 617	4 713
United Kingdom	13 521	10 079	9 709	9 478	9 579	11 858	12 120	10 907	7 635	7 491
European Union (28)	198 705	139 436	172 911	177 791	168 589	166 356	169 301	166 115	162 024	168 305
Albania (e)	250	221	390	464	500	550	560	150	50	
Bosnia-Herzegovina	608	519	592	649	700	722	793	819	806	756
Macedonia	253	270	292	386	217	100	188	121	169	273
Montenegro (e)	170	130	130	140	120	70	140	150	120	120 e
Norway	560	595	530	610	700	605	600	590	620	603
Serbia	1 662	1 061	1 254	1 324	346	396	583	955	1 173	1 477
Switzerland	1 312	934	1 320	1 400	1 450	1 530	1 475	1 475	1 500	1 450 e
Turkey	26 806	25 304	29 143	34 107	35 885	34 654	34 035	31 517	33 163	37 524
Other Europe	31 621	29 034	33 650	39 079	39 917	38 627	38 374	35 778	37 601	42 203
Azerbaijan (e)	150	120	120	120	120	173	180	180	180	180 e
Byelorussia	2 589	2 417	2 530	2 614	2 687	2 245	2 513	2 510	2 188	2 343
Kazakhstan	4 250	4 146	4 220	4 699	3 676	3 275	3 681	3 910	4 289	4 450
Moldova	885	426	240	313	335	190	351	443	126	455
Russia	68 510	60 011	66 942	68 852	70 209	69 008	71 461	70 898	70 453	71 491
Ukraine	37 279	29 855	33 432	35 332	32 975	32 771	27 170	22 968	24 218	21 334
Uzbekistan	682	716	716	733	736	746	723	643	654	680
C.I.S.	114 345	97 691	108 200	112 663	110 739	108 408	106 079	101 552	102 108	100 933
Canada	14 945	9 292	13 009	12 891	13 507	12 417	12 730	12 473	12 646	13 614
Cuba	279	267	278	282	277	322	256	284	244	221
El Salvador	71	56	64	97	72	118	121	124	100	96
Guatemala	250	224	274	294	334	385	395	403	314	294
Mexico	17 209	14 132	16 870	18 110	18 073	18 242	18 930	18 218	18 824	19 924
Trinidad and Tobago	489	417	572	603	628	616	487	591	36	
United States	91 895	59 384	80 495	86 398	88 695	86 878	88 174	78 845	78 475	81 612
North America	125 138	83 772	111 562	118 675	121 586	118 978	121 093	110 938	110 638	115 761

Table 1
(continued)

Total Production of Crude Steel *

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Argentina	5 541	4 013	5 138	5 611	4 995	5 186	5 488	5 028	4 126	4 624
Brazil	33 716	26 506	32 948	35 220	34 524	34 163	33 897	33 256	31 275	34 365
Chile	1 549	1 308	1 011	1 615	1 671	1 323	1 079	1 112	1 153	1 158
Colombia	1 053	1 052	1 208	1 287	1 302	1 236	1 208	1 211	1 272	1 253
Ecuador	128	259	372	463	425	570	667	720	576	561
Paraguay	83	54	59	30	44	45	47	48	35	24
Peru	1 110	718	880	877	981	1 069	1 078	1 082	1 168	1 207
Uruguay	86	57	65	81	78	91	94	97	61	58
Venezuela	4 224	3 808	2 207	2 980	2 359	2 139	1 485	1 345	553	444
South America	47 490	37 776	43 888	48 165	46 379	45 822	45 043	43 899	40 220	43 693
Algeria	619	597	662	551	557	417	415	650	650	650
D.R. Congo (e)	30	30	30	30	30	30	30	30	30	30 e
Egypt	6 198	5 541	6 676	6 485	6 627	6 754	6 485	5 506	5 036	6 870
Ghana (e)	25	25	25	25	25	25	25	25	25	25 e
Kenya (e)	20	20	20	20	20	20	20	20	20	20 e
Libya	1 137	914	825	100	315	712	712	352	492	422
Mauritania (e)	5	5	5	5	5	5	5	5	5	5 e
Morocco	478	499	485	654	539	558	501	516	520	550
Nigeria (e)	100	100	100	100	100	100	100	100	100	100 e
South Africa	8 246	7 484	7 617	7 546	6 938	7 162	6 412	6 417	6 141	6 301
Tunisia	82	155	150	150	150	150	150	50	50	50 e
Uganda (e)	30	30	30	30	30	30	30	30	30	30 e
Africa	16 970	15 400	16 624	15 696	15 337	15 963	14 885	13 701	13 099	15 053
Iran	9 964	10 908	11 995	13 197	14 463	15 422	16 331	16 146	17 895	21 236
Israel (e)	300	300	300	300	300	300	300	300	300	300 e
Jordan (e)	150	150	150	150	150	150	150	150	150	150 e
Oman (e)				200	300	500	1 500	2 000	2 000	2 000 e
Qatar	1 406	1 448	1 970	2 038	2 145	2 236	3 019	2 593	2 521	2 644
Saudi Arabia	4 667	4 690	5 015	5 275	5 203	5 471	6 291	5 229	5 461	4 831
Syria (e)	70	70	70	70	10	10	5	5	5	5 e
United Arab Emirates	90	200	500	2 000	2 408	2 878	2 390	3 006	3 149	3 309
Middle East	16 646	17 766	20 000	23 230	24 979	26 967	29 986	29 429	31 480	34 475
Bangladesh (e)	50	70	78	85	87	84	90	100	100	100 e
China (1)	512 339	577 070	638 743	701 968	731 040	822 000	822 306	803 825	807 609	831 728
India	57 791	63 527	68 976	73 471	77 264	81 299	87 292	89 026	95 477	101 455
Indonesia	3 915	3 501	3 664	3 621	2 254	2 644	4 428	4 854	4 746	5 195
Japan	118 739	87 534	109 599	107 601	107 232	110 595	110 666	105 134	104 775	104 661
D.P.R. Korea (e)	1 300	1 300	1 300	1 300	1 280	1 250	1 250	1 250	1 250	1 250 e
South Korea	53 625	48 572	58 914	68 519	69 073	66 061	71 543	69 670	68 576	71 030
Malaysia	6 423	5 354	5 694	5 941	5 612	4 693	4 316	3 784	2 764	3 215
Mongolia (e)	35	35	35	35	35	40	45	45	50	50 e
Myanmar (e)	25	25	25	25	25	30	35	35	35	35 e
Pakistan (e)	1 000	1 200	1 400	1 592	1 631	1 845	2 423	2 892	3 553	4 966
Philippines	711	824	1 050	1 200	1 260	1 308	1 196	968	1 075	1 378
Singapore	764	664	728	752	688	434	540	501	520	596
Sri Lanka (e)	30	30	30	30	30	30	30	30	30	30 e
Taiwan, China	19 882	15 814	19 755	20 178	20 664	22 282	23 121	21 392	21 751	22 438
Thailand	5 211	3 646	4 145	4 238	3 328	3 579	4 095	3 718	3 825	4 471
Viet Nam	2 250	2 700	4 314	4 900	5 298	5 474	5 847	5 647	7 811	11 473
Asia	784 090	811 866	918 449	995 457	1 026 801	1 123 646	1 139 222	1 112 873	1 123 948	1 164 070
Australia	7 625	5 249	7 296	6 404	4 893	4 688	4 607	4 925	5 259	5 328
New Zealand	799	765	853	844	912	900	859	793	577	657
Oceania	8 424	6 014	8 149	7 248	5 805	5 588	5 466	5 717	5 837	5 985
World	1 343 429	1 238 755	1 433 433	1 538 003	1 560 131	1 650 354	1 669 450	1 620 001	1 626 954	1 690 479

* - Includes all qualities: carbon, stainless, and other alloy.

(1) - 2013-17 figures are not necessarily comparable with earlier data.

	I	CC	LSC	Total	I	CC	LSC	Total
	thousand tonnes				% total production			
Austria	243	7 185	9	7 438	3.3	96.6	0.1	100.0
Belgium		7 687		7 687		100.0		100.0
Bulgaria		527		527		100.0		100.0
Croatia			0	0			100.0	100.0
Czech Republic	341	4 913	52	5 305	6.4	92.6	1.0	100.0
Germany	1 972	40 102	6	42 080	4.7	95.3	0.0	100.0
Finland		4 084	17	4 101		99.6	0.4	100.0
France	443	13 969		14 413	3.1	96.9		100.0
Greece		1 158		1 158		100.0		100.0
Hungary		1 274		1 274		100.0		100.0
Italy	1 079	22 147	146	23 373	4.6	94.8	0.6	100.0
Luxembourg		2 175		2 175		100.0		100.0
Netherlands	93	6 824		6 917	1.3	98.7		100.0
Poland	150	8 850		9 000	1.7	98.3		100.0
Portugal (e)		1 998	12	2 010		99.4	0.6	100.0
Romania (e)	75	3 200		3 275	2.3	97.7		100.0
Slovak Republic		4 800	9	4 808		99.8	0.2	100.0
Slovenia	120	495		615	19.5	80.5		100.0
Spain	240	13 380		13 620	1.8	98.2		100.0
Sweden	475	4 121	21	4 617	10.3	89.3	0.5	100.0
United Kingdom	98	7 532	5	7 635	1.3	98.7	0.1	100.0
European Union (28)	5 329	156 421	277	162 028	3.3	96.5	0.2	100.0
Albania (e)		50		50		100.0		100.0
Bosnia-Herzegovina		806		806		100.0		100.0
Macedonia		169		169		100.0		100.0
Montenegro (e)		120		120		100.0		100.0
Norway		608	12	620		98.1	1.9	100.0
Serbia		1 173		1 173		100.0		100.0
Switzerland (e)		1 500		1 500		100.0		100.0
Turkey		33 163		33 163		100.0		100.0
Other Europe		37 589	12	37 601		100.0	0.0	100.0
Azerbaijan (e)		180		180		100.0		100.0
Byelorussia		2 188		2 188		100.0		100.0
Kazakhstan		4 285	5	4 290		99.9	0.1	100.0
Moldova		126		126		100.0		100.0
Russia (e)	11 050	58 000	1 400	70 450	15.7	82.3	2.0	100.0
Ukraine (e)	12 500	11 700	20	24 220	51.6	48.3	0.1	100.0
Uzbekistan		654		654		100.0		100.0
C.I.S.	23 550	77 133	1 425	102 108	23.1	75.5	1.4	100.0
Canada	2 755	9 891		12 646	21.8	78.2		100.0
Cuba		244		244		100.0		100.0
El Salvador		100		100		100.0		100.0
Guatemala		314		314		100.0		100.0
Mexico	25	18 799		18 824	0.1	99.9		100.0
Trinidad and Tobago		36		36		100.0		100.0
United States	463	78 012		78 475	0.6	99.4		100.0
North America	3 242	107 396		110 638	2.9	97.1		100.0

I - ingots.

CC - continuously cast semis (billets, blooms, and slabs).

LSC - liquid steel for castings.

	I	CC	LSC	Total	I	CC	LSC	Total
	thousand tonnes				% total production			
Argentina		4 112	14	4 126		99.7	0.3	100.0
Brazil	369	30 879	27	31 275	1.2	98.7	0.1	100.0
Chile		1 153		1 153		100.0		100.0
Colombia		1 272		1 272		100.0		100.0
Ecuador		576		576		100.0		100.0
Paraguay		35		35		100.0		100.0
Peru		1 168		1 168		100.0		100.0
Uruguay		61		61		100.0		100.0
Venezuela		553		553		100.0		100.0
South America	369	39 810	41	40 220	0.9	99.0	0.1	100.0
Algeria (e)		650		650		100.0		100.0
D.R. Congo (e)		30		30		100.0		100.0
Egypt		5 036		5 036		100.0		100.0
Ghana (e)		25		25		100.0		100.0
Kenya (e)		20		20		100.0		100.0
Libya		492		492		100.0		100.0
Mauritania (e)			5	5			100.0	100.0
Morocco		520		520		100.0		100.0
Nigeria (e)		100		100		100.0		100.0
South Africa		6 141		6 141		100.0		100.0
Tunisia (e)		50		50		100.0		100.0
Uganda (e)		30		30		100.0		100.0
Africa		13 094	5	13 099		100.0	0.0	100.0
Iran		17 895		17 895		100.0		100.0
Israel (e)		300		300		100.0		100.0
Jordan (e)		150		150		100.0		100.0
Oman (e)		2 000		2 000		100.0		100.0
Qatar		2 521		2 521		100.0		100.0
Saudi Arabia		5 461		5 461		100.0		100.0
United Arab Emirates		3 149		3 149		100.0		100.0
Middle East		31 475		31 475		100.0		100.0
Bangladesh (e)		100		100		100.0		100.0
China	9 000	797 500	1 100	807 600	1.1	98.7	0.1	100.0
India (e)	13 450	82 000	30	95 480	14.1	85.9	0.0	100.0
Indonesia		4 746		4 746		100.0		100.0
Japan (e)	1 235	103 225	316	104 776	1.2	98.5	0.3	100.0
South Korea	693	67 652	231	68 576	1.0	98.7	0.3	100.0
Malaysia		2 764		2 764		100.0		100.0
Mongolia (e)		50		50		100.0		100.0
Myanmar (e)		35		35		100.0		100.0
Philippines		1 075		1 075		100.0		100.0
Singapore		520		520		100.0		100.0
Sri Lanka (e)		30		30		100.0		100.0
Taiwan, China	93	21 658		21 751	0.4	99.6		100.0
Thailand		3 825		3 825		100.0		100.0
Viet Nam		7 811		7 811		100.0		100.0
Asia	24 472	1092 991	1 677	1 119 139	2.2	97.7	0.1	100.0
Australia	26	5 234		5 259	0.5	99.5		100.0
New Zealand		577		577		100.0		100.0
Oceania	26	5 811		5 837	0.4	99.6		100.0
World **	56 988	1 561 719	3 437	1 622 144	3.5	96.3	0.2	100.0

* - Includes all qualities: carbon, stainless, and other alloy.

** - Approximately 99.7% of total world production in 2016.

	I	CC	LSC	Total	I	CC	LSC	Total
	thousand tonnes				% total production			
Austria	294	7 834	6	8 135	3.6	96.3	0.1	100.0
Belgium		7 842		7 842		100.0		100.0
Bulgaria		652		652		100.0		100.0
Croatia			0	0			100.0	100.0
Czech Republic	283	4 221	46	4 550	6.2	92.8	1.0	100.0
Germany	2 000	41 300	5	43 305	4.6	95.4	0.0	100.0
Finland		3 986	17	4 003		99.6	0.4	100.0
France	462	15 043		15 505	3.0	97.0		100.0
Greece		1 359		1 359		100.0		100.0
Hungary		1 901		1 901		100.0		100.0
Italy	1 201	22 724	143	24 068	5.0	94.4	0.6	100.0
Luxembourg		2 172		2 172		100.0		100.0
Netherlands		6 781		6 781		100.0		100.0
Poland	170	10 160		10 330	1.6	98.4		100.0
Portugal (e)		2 056	20	2 076		99.0	1.0	100.0
Romania (e)	80	3 280		3 360	2.4	97.6		100.0
Slovak Republic		4 974		4 974		100.0		100.0
Slovenia	125	520		645	19.4	80.6		100.0
Spain	245	14 200		14 445	1.7	98.3		100.0
Sweden	565	4 127	22	4 713	12.0	87.6	0.5	100.0
United Kingdom	132	7 356	3	7 491	1.8	98.2	0.0	100.0
European Union (28)	5 557	162 489	262	168 308	3.3	96.5	0.2	100.0
Bosnia-Herzegovina		756		756		100.0		100.0
Macedonia		273		273		100.0		100.0
Montenegro (e)		120		120		100.0		100.0
Norway		603		603		100.0		100.0
Serbia		1 477		1 477		100.0		100.0
Switzerland (e)		1 450		1 450		100.0		100.0
Turkey		37 524		37 524		100.0		100.0
Other Europe		42 203		42 203		100.0		100.0
Azerbaijan (e)		180		180		100.0		100.0
Byelorussia		2 343		2 343		100.0		100.0
Kazakhstan		4 445	5	4 450		99.9	0.1	100.0
Moldova		455		455		100.0		100.0
Russia (e)	11 500	58 600	1 400	71 500	16.1	82.0	2.0	100.0
Ukraine (e)	10 300	11 000	30	21 330	48.3	51.6	0.1	100.0
Uzbekistan		680		680		100.0		100.0
C.I.S.	21 800	77 703	1 435	100 938	21.6	77.0	1.4	100.0
Canada	4 741	8 872		13 614	34.8	65.2		100.0
Cuba		221		221		100.0		100.0
El Salvador		96		96		100.0		100.0
Guatemala		294		294		100.0		100.0
Mexico	26	19 898		19 924	0.1	99.9		100.0
United States	295	81 317		81 612	0.4	99.6		100.0
North America	5 062	110 699		115 761	4.4	95.6		100.0

I - ingots.

CC - continuously cast semis (billets, blooms, and slabs).

LSC - liquid steel for castings.

Table 2 (continued)	Crude Steel Production by Product *				Year: 2017			
	I	CC	LSC	Total	I	CC	LSC	Total
	thousand tonnes				% total production			
Argentina		4 610	14	4 624		99.7	0.3	100.0
Brazil	514	33 642	209	34 365	1.5	97.9	0.6	100.0
Chile		1 158		1 158		100.0		100.0
Colombia		1 253		1 253		100.0		100.0
Ecuador		561		561		100.0		100.0
Paraguay		24		24		100.0		100.0
Peru		1 207		1 207		100.0		100.0
Uruguay		58		58		100.0		100.0
Venezuela		444		444		100.0		100.0
South America	514	42 957	223	43 693	1.2	98.3	0.5	100.0
Algeria (e)		650		650		100.0		100.0
D.R. Congo (e)		30		30		100.0		100.0
Egypt		6 870		6 870		100.0		100.0
Ghana (e)		25		25		100.0		100.0
Kenya (e)		20		20		100.0		100.0
Libya		422		422		100.0		100.0
Mauritania (e)			5	5			100.0	100.0
Morocco		550		550		100.0		100.0
Nigeria (e)		100		100		100.0		100.0
South Africa		6 301		6 301		100.0		100.0
Tunisia (e)		50		50		100.0		100.0
Uganda (e)		30		30		100.0		100.0
Africa		15 048	5	15 053		100.0	0.0	100.0
Iran		21 236		21 236		100.0		100.0
Israel (e)		300		300		100.0		100.0
Jordan (e)		150		150		100.0		100.0
Oman (e)		2 000		2 000		100.0		100.0
Qatar		2 644		2 644		100.0		100.0
Saudi Arabia		4 831		4 831		100.0		100.0
United Arab Emirates		3 309		3 309		100.0		100.0
Middle East		34 470		34 470		100.0		100.0
Bangladesh (e)		100		100		100.0		100.0
China (e)	10 000	820 700	1 000	831 700	1.2	98.7	0.1	100.0
India (e)	14 000	87 400	55	101 455	13.8	86.1	0.1	100.0
Indonesia		5 195		5 195		100.0		100.0
Japan (e)	1 240	103 050	373	104 663	1.2	98.5	0.4	100.0
South Korea	682	70 111	237	71 030	1.0	98.7	0.3	100.0
Malaysia		3 215		3 215		100.0		100.0
Mongolia (e)		50		50		100.0		100.0
Myanmar (e)		35		35		100.0		100.0
Philippines		1 378		1 378		100.0		100.0
Singapore		596		596		100.0		100.0
Sri Lanka (e)		30		30		100.0		100.0
Taiwan, China	98	22 340		22 438	0.4	99.6		100.0
Thailand		4 471		4 471		100.0		100.0
Viet Nam		11 473		11 473		100.0		100.0
Asia	26 019	1 130 144	1 665	1 157 829	2.2	97.6	0.1	100.0
Australia		5 328		5 328		100.0		100.0
New Zealand		657		657		100.0		100.0
Oceania		5 985		5 985		100.0		100.0
World **	58 953	1 621 697	3 590	1 684 240	3.5	96.3	0.2	100.0

* - Includes all qualities: carbon, stainless, and other alloy.

** - Approximately 99.6% of total world production in 2017.

Table 3

Production of Ingots *

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	328	185	261	306	274	275	282	246	243	294
Bulgaria	29	13			6					
Czech Republic	641	311	444	476	389	395	393	403	341	283
Germany	1 861	1 056	1 446	1 633	1 408	1 329	1 378	1 273	1 972	2 000
France	919	467	631	743	615	577	621	548	443	462
Hungary	20									
Italy	1 287	808	956	1 229	1 116	1 043	1 220	1 118	1 079	1 201
Netherlands	148	60	128	172	141	132	125	107	93	
Poland	339	206	209	208	172	167	160	160	150	170
Romania	59	85	106	137	90	85	60	70	75	80 e
Slovenia	111	76	108	118	110	109	122	120	120	125
Spain	299	210	355	402	394	319	308	266	240	245
Sweden	625	321	527	600	516	515	537	499	475	565
United Kingdom	210	126	148	194	179	149	162	143	98	132
European Union (28)	6 875	3 922	5 318	6 218	5 409	5 095	5 369	4 954	5 329	5 557
Bosnia-Herzegovina	11	4	18	16	7	0				
Montenegro (e)	20	10								
Other Europe	31	14	18	16	7	0				
Byelorussia	42	30	20	10						
Russia	17 935	10 115	11 300	11 650	11 920	11 500	11 500	11 500	11 050	11 500 e
Ukraine	22 364	15 452	15 330	16 200	15 120	15 661	12 421	11 762	12 500	10 300 e
Uzbekistan	12	10	5	5	6					
C.I.S.	40 353	25 607	26 655	27 865	27 046	27 161	23 921	23 262	23 550	21 800
Canada	143	249	151	193	376	362	249	294	2 755	4 741
Mexico	33	23	23	18	26	47	24	22	25	26
United States	3 338	1 472	2 096	1 942	1 227	1 081	1 306	775	463	295
North America	3 513	1 744	2 269	2 153	1 629	1 489	1 578	1 091	3 242	5 062
Argentina	65	47								
Brazil	1 918	732	1 089	1 132	916	711	485	317	369	514
Colombia	308	310	328	302	345	323				
Peru	95									
South America	2 387	1 089	1 417	1 434	1 261	1 034	485	317	369	514
Algeria	20	37	5	5	7	5				
Egypt	100									
South Africa	42	28	38	46	38	23	32	37		
Africa	162	65	43	51	45	28	32	37		
China (1)	9 099	7 735	10 851	10 573	10 288	12 542	10 900	9 900	9 000	10 000 e
India	16 500	17 100	16 960	16 550	15 240	15 000	15 000	14 000	13 450	14 000 e
Japan (e:2014-)	1 949	1 071	1 556	1 655	1 438	1 306	1 330	1 265	1 235	1 240 e
South Korea	1 117	947	944	1 074	909	769	868	748	693	682
Taiwan, China	78	35	66	97	87	94	104	89	93	98
Asia	28 743	26 888	30 376	29 949	27 962	29 710	28 202	26 002	24 472	26 019
Australia	65	57	52	55	61	61	26	25	26	
Oceania	65	57	52	55	61	61	26	25	26	
World	82 129	59 387	66 148	67 740	63 419	64 578	59 611	55 689	56 988	58 953

* - Includes all qualities: carbon, stainless, and other alloy.

Table 3
(continued)

Production of Ingots *
% total crude steel production

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	4.3	3.3	3.6	4.1	3.7	3.5	3.6	3.2	3.3	3.6
Bulgaria	2.2	1.8			0.9					
Czech Republic	10.0	6.8	8.6	8.5	7.7	7.6	7.3	7.7	6.4	6.2
Germany	4.1	3.2	3.3	3.7	3.3	3.1	3.2	3.0	4.7	4.6
France	5.1	3.6	4.1	4.7	3.9	3.7	3.8	3.7	3.1	3.0
Hungary	0.9									
Italy	4.2	4.1	3.7	4.3	4.1	4.3	5.1	5.1	4.6	5.0
Netherlands	2.2	1.2	1.9	2.5	2.0	2.0	1.8	1.5	1.3	
Poland	3.5	2.9	2.6	2.4	2.1	2.1	1.9	1.7	1.7	1.6
Romania	1.2	3.1	2.9	3.6	2.7	2.8	1.9	2.1	2.3	2.4 e
Slovenia	17.2	17.6	17.8	18.2	17.4	17.7	19.8	19.9	19.6	19.3
Spain	1.6	1.5	2.2	2.6	2.9	2.2	2.2	1.8	1.8	1.7
Sweden	12.0	11.5	10.9	12.3	11.9	11.7	11.8	11.4	10.3	12.0
United Kingdom	1.6	1.2	1.5	2.0	1.9	1.3	1.3	1.3	1.3	1.8
European Union (28)	3.5	2.8	3.1	3.5	3.2	3.1	3.2	3.0	3.3	3.3
Bosnia-Herzegovina	1.9	0.8	3.0	2.5	1.0	0.0				
Montenegro (e)	11.8	7.7								
Other Europe	0.1	0.0	0.1	0.0	0.0	0.0				
Byelorussia	1.6	1.2	0.8	0.4						
Russia	26.2	16.9	16.9	16.9	17.0	16.7	16.1	16.2	15.7	16.1 e
Ukraine	60.0	51.8	45.9	45.9	45.9	47.8	45.7	51.2	51.6	48.3 e
Uzbekistan	1.8	1.4	0.7	0.7	0.8					
C.I.S.	35.3	26.2	24.6	24.7	24.4	25.1	22.5	22.9	23.1	21.6
Canada	1.0	2.7	1.2	1.5	2.8	2.9	2.0	2.4	21.8	34.8
Mexico	0.2	0.2	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1
United States	3.6	2.5	2.6	2.2	1.4	1.2	1.5	1.0	0.6	0.4
North America	2.8	2.1	2.0	1.8	1.3	1.3	1.3	1.0	2.9	4.4
Argentina	1.2	1.2								
Brazil	5.7	2.8	3.3	3.2	2.7	2.1	1.4	1.0	1.2	1.5
Colombia	29.3	29.4	27.2	23.4	26.5	26.1				
Peru	8.6									
South America	5.0	2.9	3.2	3.0	2.7	2.3	1.1	0.7	0.9	1.2
Algeria	3.2	6.2	0.8	0.9	1.3	1.2				
Egypt	1.6									
South Africa	0.5	0.4	0.5	0.6	0.5	0.3	0.5	0.6		
Africa	1.0	0.4	0.3	0.3	0.3	0.2	0.2	0.3		
China (1)	1.8	1.3	1.7	1.5	1.4	1.5	1.3	1.2	1.1	1.2 e
India	28.6	26.9	24.6	22.5	19.7	18.5	17.2	15.7	14.1	13.8 e
Japan	1.6	1.2	1.4	1.5	1.3	1.2	1.2	1.2	1.2	1.2 e
South Korea	2.1	1.9	1.6	1.6	1.3	1.2	1.2	1.1	1.0	1.0
Taiwan, China	0.4	0.2	0.3	0.5	0.4	0.4	0.4	0.4	0.4	0.4
Asia	3.7	3.3	3.3	3.0	2.7	2.6	2.5	2.3	2.2	2.2
Australia	0.9	1.1	0.7	0.9	1.3	1.3	0.6	0.5	0.5	
Oceania	0.8	1.0	0.6	0.8	1.1	1.1	0.5	0.4	0.4	
World	6.1	4.8	4.6	4.4	4.1	3.9	3.6	3.4	3.5	3.5

* - Includes all qualities: carbon, stainless, and other alloy.

Table 4

Production of Continuously-cast Steel *

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	7 251	5 468	6 936	7 158	7 137	7 668	7 584	7 429	7 185	7 834
Belgium	10 673	5 635	7 973	8 026	7 301	7 093	7 331	7 257	7 687	7 842
Bulgaria	1 301	712	737	835	627	523	612	543	527	652
Croatia	89	43	95	96	1	135	167	122		
Czech Republic	5 634	4 196	4 656	5 032	4 619	4 710	4 911	4 800	4 913	4 221
Germany	43 956	31 604	42 375	42 640	41 241	41 307	41 555	41 397	40 102	41 300
Finland	4 394	3 056	4 012	3 968	3 742	3 499	3 790	3 971	4 084	3 986
France	16 959	12 372	14 782	15 036	14 994	15 108	15 522	14 436	13 969	15 043
Greece	2 477	2 000	1 821	1 934	1 247	1 030	1 022	910	1 158	1 359
Hungary	2 074	1 403	1 678	1 746	1 542	883	1 152	1 675	1 274	1 901
Italy	29 167	18 904	24 644	27 360	25 992	22 890	22 344	20 755	22 147	22 724
Latvia	635	692	655	568	805	198				
Luxembourg	2 582	2 141	2 548	2 521	2 208	2 090	2 193	2 127	2 175	2 172
Netherlands	6 706	5 134	6 523	6 765	6 739	6 581	6 839	6 888	6 824	6 781
Poland	9 386	6 921	7 784	8 571	8 194	7 783	8 399	9 038	8 850	10 160
Portugal	1 997	1 594	1 523	1 922	1 940	2 040	2 053	2 015	1 998	2 056
Romania	4 871	2 677	3 614	3 691	3 200	2 900	3 100	3 280	3 200	3 280 e
Slovak Republic	4 476	3 733	4 567	4 224	4 391	4 499	4 694	4 551	4 800	4 974
Slovenia	531	353	498	530	522	509	493	484	495	520
Spain	18 341	14 151	15 988	15 103	13 246	13 933	13 940	14 578	13 380	14 200 e
Sweden	4 539	2 457	4 290	4 229	3 773	3 857	3 978	3 849	4 121	4 127
United Kingdom	13 296	9 938	9 555	9 273	9 390	11 699	11 949	10 756	7 532	7 356
European Union (28)	191 335	135 185	167 256	171 227	162 853	160 935	163 629	160 861	156 421	162 489
Albania (e)	250	221	390	464	500	550	560	150	50	
Bosnia-Herzegovina	597	515	574	632	693	722	793	819	806	756
Macedonia	253	270	292	386	217	100	188	121	169	273
Montenegro (e)	170	130	130	140	120	70	140	150	120	120 e
Norway	557	591	516	598	683	593	590	578	608	603
Serbia	1 662	1 061	1 254	1 324	346	396	583	955	1 173	1 477
Switzerland	1 312	934	1 320	1 400	1 450	1 530	1 475	1 475	1 500	1 450 e
Turkey	26 806	25 304	29 143	34 107	35 885	34 654	34 035	31 517	33 163	37 524
Other Europe	31 607	29 025	33 619	39 051	39 894	38 614	38 364	35 766	37 589	42 203
Azerbaijan (e)	150	120	120	120	120	173	180	180	180	180 e
Byelorussia	2 517	2 377	2 500	2 600	2 687	2 245	2 513	2 510	2 188	2 343
Kazakhstan	4 240	4 140	4 200	4 695	3 670	3 270	3 675	3 905	4 285	4 445
Moldova	885	426	240	313	335	190	351	443	126	455
Russia	48 770	48 396	54 000	55 550	56 620	56 000	58 500	58 000	58 000	58 600 e
Ukraine	14 593	14 303	18 000	19 030	17 760	17 040	14 700	11 237	11 700	11 000 e
Uzbekistan	670	706	710	728	730	746	723	643	654	680
C.I.S.	71 825	70 468	79 770	83 036	81 922	79 665	80 643	76 918	77 133	77 703
Canada	14 703	9 036	12 873	12 698	13 131	12 055	12 481	12 179	9 891	8 872
Cuba	268	267	278	282	277	322	256	284	244	221
El Salvador	71	56	64	97	72	118	121	124	100	96
Guatemala	250	224	274	294	334	385	395	403	314	294
Mexico	17 175	14 108	16 846	18 091	18 047	18 195	18 906	18 203	18 799	19 898
Trinidad and Tobago	489	417	572	603	628	616	487	591	36	
United States	88 557	57 911	78 398	84 455	87 467	85 796	86 867	78 070	78 012	81 317
North America	121 513	82 020	109 305	116 520	119 956	117 488	119 515	109 854	107 396	110 699

Table 4
(continued) **Production of Continuously-cast Steel ***

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Argentina	5 463	3 952	5 124	5 597	4 981	5 172	5 474	5 014	4 112	4 610
Brazil	31 751	25 737	31 827	34 058	33 590	33 431	33 383	32 910	30 879	33 642
Chile	1 549	1 308	1 011	1 615	1 671	1 323	1 079	1 112	1 153	1 158
Colombia	745	743	880	986	957	913	1 208	1 211	1 272	1 253
Ecuador	128	259	372	463	425	570	667	720	576	561
Paraguay	83	54	59	30	44	45	47	48	35	24
Peru	1 000	718	880	877	981	1 069	1 078	1 082	1 168	1 207
Uruguay	86	57	65	81	78	91	94	97	61	58
Venezuela	4 224	3 808	2 207	2 980	2 359	2 139	1 485	1 345	553	444
South America	45 028	36 635	42 425	46 687	45 086	44 753	44 514	43 538	39 810	42 957
Algeria	600	560	657	545	550	417	415	650	650	650 e
D.R. Congo (e)	30	30	30	30	30	30	30	30	30	30 e
Egypt	6 100	5 541	6 676	6 485	6 627	6 754	6 485	5 506	5 036	6 870
Ghana (e)	25	25	25	25	25	25	25	25	25	25 e
Kenya (e)	20	20	20	20	20	20	20	20	20	20 e
Libya	1 137	914	825	100	315	712	712	352	492	422
Morocco	478	499	485	654	539	558	501	516	520	550 e
Nigeria (e)	100	100	100	100	100	100	100	100	100	100 e
South Africa	8 113	7 456	7 579	7 501	6 900	7 139	6 381	6 380	6 141	6 301
Tunisia	82	155	150	150	150	150	150	50	50	50 e
Uganda (e)	30	30	30	30	30	30	30	30	30	30 e
Africa	16 714	15 330	16 576	15 639	15 287	15 935	14 848	13 659	13 094	15 048
Iran	9 964	10 908	11 995	13 197	14 463	15 422	16 331	16 146	17 895	21 236
Israel (e)	300	300	300	300	300	300	300	300	300	300 e
Jordan (e)	150	150	150	150	150	150	150	150	150	150 e
Oman (e)			200	300	500	1 500	2 000	2 000	2 000	2 000 e
Qatar	1 406	1 448	1 970	2 038	2 145	2 236	3 019	2 593	2 521	2 644
Saudi Arabia	4 667	4 690	5 015	5 275	5 203	5 471	6 291	5 229	5 461	4 831
Syria (e)	70	70	70	70	10	10				
United Arab Emirates	90	200	500	2 000	2 408	2 878	2 390	3 006	3 149	3 309
Middle East	16 646	17 766	20 000	23 230	24 979	26 967	29 981	29 424	31 475	34 470
Bangladesh (e)	50	70	78	85	87	84	90	100	100	100 e
China (1)	502 885	568 532	626 716	690 472	720 074	808 202	810 200	792 800	797 500	820 700 e
India	41 270	46 410	52 000	56 900	62 000	66 280	72 270	75 000	82 000	87 400
Indonesia	3 915	3 501	3 664	3 621	2 254	2 644	4 428	4 854	4 746	5 195 e
Japan(e:2014-)	116 247	86 112	107 655	105 523	105 402	108 932	109 000	103 550	103 225	103 050
South Korea	52 267	47 433	57 735	67 184	67 907	65 019	70 405	68 672	67 652	70 111
Malaysia	6 423	5 354	5 694	5 941	5 612	4 693	4 316	3 784	2 764	3 215 e
Mongolia (e)	35	35	35	35	35	40	45	45	50	50 e
Myanmar (e)	25	25	25	25	25	30	35	35	35	35 e
Pakistan (e)							2 423	2 890	3 553	4 966 e
Philippines	711	824	1 050	1 200	1 260	1 308	1 196	968	1 075	1 378
Singapore	764	664	728	752	688	434	540	501	520	596
Sri Lanka (e)	30	30	30	30	30	30	30	30	30	30 e
Taiwan, China	19 804	15 779	19 396	19 420	20 576	22 188	23 017	21 303	21 658	22 340
Thailand	5 211	3 646	4 145	4 238	3 328	3 579	4 095	3 718	3 825	4 471
Viet Nam	2 250	2 700	4 314	4 900	5 298	5 474	5 847	5 647	7 811	11 473
Asia	751 887	781 114	883 265	960 325	994 576	1 088 935	1 107 937	1 083 898	1 096 544	1 135 110
Australia	7 560	5 192	7 244	6 350	4 832	4 627	4 581	4 900	5 234	5 328
New Zealand	799	765	853	844	912	900	859	793	577	657
Oceania	8 359	5 957	8 097	7 193	5 744	5 528	5 440	5 692	5 811	5 985
World	1 254 915	1 173 499	1 360 313	1 462 908	1 490 296	1 578 819	1 604 871	1 559 610	1 565 272	1 626 663

* - Includes all qualities: carbon, stainless, and other alloy.

Table 4
(continued)

Production of Continuously-cast Steel *
% total crude steel production

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	95.5	96.6	96.2	95.8	96.2	96.4	96.3	96.6	96.6	96.3
Belgium	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Bulgaria	97.8	98.2	100.0	100.0	99.1	100.0	100.0	100.0	100.0	100.0
Croatia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
Czech Republic	88.2	91.3	89.9	90.1	91.1	91.1	91.6	91.2	92.6	92.8
Germany	95.9	96.7	96.7	96.3	96.7	96.9	96.8	97.0	95.3	95.4
Finland	99.5	99.6	99.6	99.5	99.5	99.5	99.5	99.6	99.6	99.6
France	94.9	96.4	95.9	95.3	96.1	96.3	96.2	96.3	96.9	97.0
Greece	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Hungary	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Italy	95.3	95.2	95.7	95.2	95.4	95.0	94.2	94.3	94.8	94.4
Latvia	100.0	100.0	100.0	100.0	100.0	100.0				
Luxembourg	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Netherlands	97.8	98.8	98.1	97.5	98.0	98.0	98.2	98.5	98.7	100.0
Poland	96.5	97.1	97.4	97.6	97.9	97.9	98.1	98.3	98.3	98.3
Portugal	99.0	98.8	98.7	99.0	99.0	99.5	99.2	99.3	99.4	99.0
Romania	96.7	96.9	97.1	96.4	97.2	97.2	98.2	97.9	97.7	97.6 e
Slovak Republic	99.7	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0
Slovenia	82.8	82.0	82.2	81.8	82.6	82.3	80.2	80.1	80.7	80.2
Spain	98.4	98.6	97.8	97.4	97.1	97.8	97.8	98.2	98.3	98.3 e
Sweden	87.3	87.6	88.5	86.9	87.2	87.6	87.6	88.0	89.3	87.6
United Kingdom	98.3	98.6	98.4	97.8	98.0	98.7	98.6	98.6	98.7	98.2
European Union (28)	96.3	97.0	96.7	96.3	96.6	96.7	96.6	96.8	96.5	96.5
Albania (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Bosnia-Herzegovina	98.1	99.2	97.0	97.5	99.0	100.0	100.0	100.0	100.0	100.0
Macedonia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Montenegro (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Norway	99.5	99.3	97.4	98.0	97.6	98.0	98.3	98.0	98.1	100.0
Serbia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Switzerland	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Turkey	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Other Europe	100.0	100.0	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
Azerbaijan (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Byelorussia	97.2	98.3	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0
Kazakhstan	99.8	99.9	99.5	99.9	99.8	99.8	99.8	99.9	99.9	99.9
Moldova	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Russia	71.2	80.6	80.7	80.7	80.6	81.2	81.9	81.8	82.3	82.0 e
Ukraine	39.1	47.9	53.8	53.9	53.9	52.0	54.1	48.9	48.3	51.6 e
Uzbekistan	98.2	98.6	99.2	99.3	99.1	100.0	100.0	100.0	100.0	100.0
C.I.S.	62.8	72.1	73.7	73.7	74.0	73.5	76.0	75.7	75.5	77.0
Canada	98.4	97.2	99.0	98.5	97.2	97.1	98.0	97.6	78.2	65.2
Cuba	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
El Salvador	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Guatemala	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mexico	99.8	99.8	99.9	99.9	99.9	99.7	99.9	99.9	99.9	99.9
Trinidad and Tobago	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
United States	96.4	97.5	97.4	97.8	98.6	98.8	98.5	99.0	99.4	99.6
North America	97.1	97.9	98.0	98.2	98.7	98.7	98.7	99.0	97.1	95.6

Table 4
(continued)

Production of Continuously-cast Steel *
% total crude steel production

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Argentina	98.6	98.5	99.7	99.8	99.7	99.7	99.7	99.7	99.7	99.7
Brazil	94.2	97.1	96.6	96.7	97.3	97.9	98.5	99.0	98.7	97.9
Chile	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Colombia	70.7	70.6	72.8	76.6	73.5	73.9	100.0	100.0	100.0	100.0
Ecuador	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Paraguay	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Peru	90.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Uruguay	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Venezuela	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
South America	94.8	97.0	96.7	96.9	97.2	97.7	98.8	99.2	99.0	98.3
Algeria	97.0	93.8	99.2	98.9	98.8	100.0	100.0	100.0	100.0	100.0 e
D.R. Congo (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Egypt	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Ghana (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Kenya (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Libya	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Morocco	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Nigeria (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
South Africa	98.4	99.6	99.5	99.4	99.5	99.7	99.5	99.4	100.0	100.0
Tunisia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Uganda (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Africa	98.5	99.5	99.7	99.6	99.7	99.8	99.8	99.7	100.0	100.0
Iran	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Israel (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Jordan (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Oman (e)				100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Qatar	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Saudi Arabia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Syria (e)	100.0	100.0	100.0	100.0	100.0	100.0				
United Arab Emirates	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Middle East	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Bangladesh (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
China (1)	98.2	98.5	98.1	98.4	98.5	98.3	98.5	98.6	98.7	98.7 e
India	71.4	73.1	75.4	77.4	80.2	81.5	82.8	84.2	85.9	86.1
Indonesia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Japan (e:2014-)	97.9	98.4	98.2	98.1	98.3	98.5	98.5	98.5	98.5	98.5
South Korea	97.5	97.7	98.0	98.1	98.3	98.4	98.4	98.6	98.7	98.7
Malaysia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Mongolia (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Myanmar (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Pakistan (e)							100.0	99.9	100.0	100.0 e
Philippines	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Singapore	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sri Lanka (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Taiwan, China	99.6	99.8	98.2	96.2	99.6	99.6	99.6	99.6	99.6	99.6
Thailand	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Viet Nam	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Asia	95.9	96.2	96.2	96.5	96.9	96.9	97.3	97.4	97.6	97.5
Australia	99.1	98.9	99.3	99.1	98.7	98.7	99.4	99.5	99.5	100.0
New Zealand	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Oceania	99.2	99.0	99.4	99.2	98.9	98.9	99.5	99.6	99.6	100.0
World	93.4	94.7	94.9	95.1	95.5	95.7	96.1	96.3	96.2	96.2

* - Includes all qualities: carbon, stainless, and other alloy.

Table 5

Production of Liquid Steel for Castings *

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	15	9	9	10	10	10	10	11	9	6
Croatia								0	0	0
Czech Republic	113	87	79	75	64	67	56	58	52	46
Germany	15	11	10	11	12	9	9	6	6	5
Finland	23	11	17	21	17	17	17	17	17	17
France	2	1	1	1						
Italy	136	136	150	146	144	160	150	145	146	143
Poland	2	2								
Portugal	20	20	20	20	20	10	17	15	12	20
Romania	105									
Slovak Republic	14	13	16	13	12	12	11	11	9	
Sweden	34	25	26	38	37	33	25	26	21	22
United Kingdom	14	12	7	11	9	9	9	9	5	3
European Union (28)	492	328	335	345	326	326	305	298	277	262
Norway	3	4	14	12	17	12	10	12	12	
Other Europe	3	4	14	12	17	12	10	12	12	
Byelorussia	30	10	10	5						
Kazakhstan	10	6	5	4	6	5	5	5	5	5 e
Russia	1 805	1 500	1 640	1 650	1 670	1 500	1 460	1 400	1 400	1 400 e
Ukraine	150	100	100	100	95	70	50		20	30 e
C.I.S.	1 995	1 616	1 755	1 759	1 771	1 575	1 515	1 405	1 425	1 435
Canada		47	7							
Mexico	1	1	1	1						
United States	1	1	1	1	1	1	1			
North America	2	49	8	2	1	1	1			
Argentina	14	14	14	14	14	14	14	14	14	14
Brazil	47	39	32	30	18	21	30	29	27	209
Peru	15									
South America	75	53	46	44	32	35	44	43	41	223
Mauritania (e)	5	5	5	5	5	5	5	5	5	5 e
South Africa	91									
Africa	96	5	5	5	5	5	5	5	5	5
Syria (e)							5	5	5	5
Middle East							5	5	5	5
China (1)	354	804	1 176	924	678	1 256	1 300	1 200	1 100	1 000 e
India	20	20	20	20	20	20	25	25	30	55 e
Japan	543	351	388	423	392	357	335	320	316	373
South Korea	241	193	236	261	258	274	270	250	231	237
Taiwan, China			293	662	1					
Asia	1 158	1 367	2 112	2 290	1 349	1 907	1 930	1 795	1 677	1 665
World	3 821	3 421	4 275	4 457	3 499	3 860	3 815	3 563	3 442	3 595

* - Includes all qualities: carbon, stainless, and other alloy.

Table 5
(continued)

Production of Liquid Steel for Castings *
% total crude steel production

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Croatia								0.0	100.0	100.0
Czech Republic	1.8	1.9	1.5	1.3	1.3	1.3	1.0	1.1	1.0	1.0
Germany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Finland	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4
France	0.0	0.0	0.0	0.0						
Italy	0.4	0.7	0.6	0.5	0.5	0.7	0.6	0.7	0.6	0.6
Poland	0.0	0.0								
Portugal	1.0	1.2	1.3	1.0	1.0	0.5	0.8	0.7	0.6	1.0
Romania	2.1									
Slovak Republic	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	
Sweden	0.7	0.9	0.5	0.8	0.9	0.7	0.6	0.6	0.5	0.5
United Kingdom	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
European Union (28)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Norway	0.5	0.7	2.6	2.0	2.4	2.0	1.7	2.0	1.9	
Other Europe	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Byelorussia	1.2	0.4	0.4	0.2						
Kazakhstan	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1 e
Russia	2.6	2.5	2.4	2.4	2.4	2.2	2.0	2.0	2.0	2.0 e
Ukraine	0.4	0.3	0.3	0.3	0.3	0.2	0.2		0.1	0.1 e
C.I.S.	1.7	1.7	1.6	1.6	1.6	1.5	1.4	1.4	1.4	1.4
Canada		0.5	0.1							
Mexico	0.0	0.0	0.0	0.0						
United States	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
North America	0.0	0.1	0.0	0.0	0.0	0.0	0.0			
Argentina	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3
Brazil	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6
Peru	1.4									
South America	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
Mauritania (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
South Africa	1.1									
Africa	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Syria (e)							100.0	100.0	100.0	100.0
Middle East							0.0	0.0	0.0	0.0
China (1)	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1 e
India	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1 e
Japan	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4
South Korea	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3
Taiwan, China			1.5	3.3	0.0					
Asia	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1
World	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2

* - Includes all qualities: carbon, stainless, and other alloy.

	OBC	EF	OHF	Other	Total	OBC	EF	OHF	Other	Total
	thousand tonnes					% total production				
Austria	6 766	672			7 438	91.0	9.0			100.0
Belgium	5 330	2 357			7 687	69.3	30.7			100.0
Bulgaria		527			527		100.0			100.0
Croatia		0			0		100.0			100.0
Czech Republic	5 011	295			5 305	94.4	5.6			100.0
Germany	29 486	12 594			42 080	70.1	29.9			100.0
Finland (e)	2 750	1 350			4 100	67.1	32.9			100.0
France	9 527	4 886			14 413	66.1	33.9			100.0
Greece		1 158			1 158		100.0			100.0
Hungary	1 041	233			1 274	81.7	18.3			100.0
Italy	5 669	17 704			23 373	24.3	75.7			100.0
Luxembourg		2 175			2 175		100.0			100.0
Netherlands	6 824	93			6 917	98.7	1.3			100.0
Poland	5 110	3 891			9 001	56.8	43.2			100.0
Portugal (e)		2 010			2 010		100.0			100.0
Romania	2 228	1 046			3 274	68.1	31.9			100.0
Slovak Republic	4 506	302			4 808	93.7	6.3			100.0
Slovenia		613			613		100.0			100.0
Spain	4 547	9 069			13 616	33.4	66.6			100.0
Sweden	3 111	1 506			4 617	67.4	32.6			100.0
United Kingdom	6 153	1 482			7 635	80.6	19.4			100.0
European Union (28)	98 058	63 962			162 021	60.5	39.5			100.0
Albania (e)		100			100		100.0			100.0
Bosnia-Herzegovina	806				806	100.0				100.0
Macedonia		169			169		100.0			100.0
Montenegro (e)		120			120		100.0			100.0
Norway		620			620		100.0			100.0
Serbia	1 173				1 173	100.0				100.0
Switzerland (e)		1 500			1 500		100.0			100.0
Turkey	11 317	21 846			33 163	34.1	65.9			100.0
Other Europe	13 295	24 355			37 651	35.3	64.7			100.0
Azerbaijan (e)		180			180		100.0			100.0
Byelorussia		2 188			2 188		100.0			100.0
Kazakhstan	4 230	60			4 290	98.6	1.4			100.0
Moldova		126			126		100.0			100.0
Russia (e)	47 000	21 800	1 650		70 450	66.7	30.9	2.3		100.0
Ukraine	16 950	1 700	5 570		24 220	70.0	7.0	23.0		100.0
Uzbekistan		654			654		100.0			100.0
C.I.S.	68 180	26 708	7 220		102 108	66.8	26.2	7.1		100.0
Canada	7 012	5 634			12 646	55.4	44.6			100.0
Cuba		244			244		100.0			100.0
El Salvador		100			100		100.0			100.0
Guatemala		314			314		100.0			100.0
Mexico	4 919	13 904			18 824	26.1	73.9			100.0
Trinidad and Tobago		36			36		100.0			100.0
United States	25 888	52 587			78 475	33.0	67.0			100.0
North America	37 819	72 820			110 638	34.2	65.8			100.0

OBC - oxygen-blown converter.

EF - electric furnace.

OHF - open hearth furnace.

Table 6 (continued)	Crude Steel Production by Process *					Year: 2016				
	OBC	EF thousand tonnes	OHF	Other	Total	OBC	EF % total production	OHF	Other	Total
Argentina	2 340	1 787			4 126	56.7	43.3			100.0
Brazil	24 173	6 600		502	31 275	77.3	21.1		1.6	100.0
Chile	815	337			1 153	70.7	29.3			100.0
Colombia	244	1 028			1 272	19.2	80.8			100.0
Ecuador		576			576		100.0			100.0
Paraguay	35				35	100.0				100.0
Peru		1 168			1 168		100.0			100.0
Uruguay		61			61		100.0			100.0
Venezuela		553			553		100.0			100.0
South America	27 606	12 111		502	40 220	68.6	30.1		1.2	100.0
Algeria (e)	650				650	100.0				100.0
D.R. Congo (e)		30			30		100.0			100.0
Egypt (e)	575	4 460			5 035	11.4	88.6			100.0
Ghana (e)		25			25		100.0			100.0
Kenya (e)		20			20		100.0			100.0
Libya		492			492		100.0			100.0
Mauritania (e)				5	5				100.0	100.0
Morocco (e)		520			520		100.0			100.0
Nigeria (e)		100			100		100.0			100.0
South Africa	3 820	2 322			6 141	62.2	37.8			100.0
Tunisia (e)		50			50		100.0			100.0
Uganda (e)		30			30		100.0			100.0
Africa	5 045	8 048		5	13 098	38.5	61.4		0.0	100.0
Iran	2 183	15 712			17 895	12.2	87.8			100.0
Israel (e)		300			300		100.0			100.0
Jordan (e)		150			150		100.0			100.0
Oman (e)		2 000			2 000		100.0			100.0
Qatar		2 521			2 521		100.0			100.0
Saudi Arabia		5 461			5 461		100.0			100.0
Syria (e)		5			5		100.0			100.0
United Arab Emirates		3 149			3 149		100.0			100.0
Middle East	2 183	29 298			31 480	6.9	93.1			100.0
Bangladesh (e)		100			100		100.0			100.0
China (e)	756 600	50 928		81	807 609	93.7	6.3		0.0	100.0
India	40 796	54 737			95 533	42.7	57.3			100.0
Indonesia	2 907	1 839			4 746	61.3	38.7			100.0
Japan	81 513	23 262			104 775	77.8	22.2			100.0
South Korea	47 521	21 055			68 576	69.3	30.7			100.0
Malaysia		2 764			2 764		100.0			100.0
Mongolia (e)		50			50		100.0			100.0
Myanmar (e)		35			35		100.0			100.0
Pakistan (e)		3 553			3 553		100.0			100.0
Philippines		1 075			1 075		100.0			100.0
Singapore		520			520		100.0			100.0
Sri Lanka (e)		30			30		100.0			100.0
Taiwan, China	13 969	7 782			21 751	64.2	35.8			100.0
Thailand		3 825			3 825		100.0			100.0
Viet Nam	2 343	4 687		781	7 811	30.0	60.0		10.0	100.0
Asia	945 649	176 243		862	1 122 754	84.2	15.7		0.1	100.0
Australia	3 983	1 276			5 259	75.7	24.3			100.0
New Zealand	577				577	100.0				100.0
Oceania	4 560	1 276			5 837	78.1	21.9			100.0
World **	1 202 395	414 822	7 220	1 369	1 625 806	74.0	25.5	0.4	0.1	100.0

* - Includes all qualities: carbon, stainless, and other alloy.

** - Approximately 99.9% of total world production.

	OBC	EF	OHF	Other	Total	OBC	EF	OHF	Other	Total
		thousand tonnes					% total production			
Austria	7 412	723			8 135	91.1	8.9			100.0
Belgium	5 360	2 480			7 840	68.4	31.6			100.0
Bulgaria		652			652		100.0			100.0
Croatia		0			0		100.0			100.0
Czech Republic	4 306	244			4 550	94.6	5.4			100.0
Germany	30 290	13 007			43 297	70.0	30.0			100.0
Finland	2 700	1 300			4 000	67.5	32.5			100.0
France	10 664	4 840			15 505	68.8	31.2			100.0
Greece		1 359			1 359		100.0			100.0
Hungary	1 602	298			1 901	84.3	15.7			100.0
Italy	4 732	19 336			24 068	19.7	80.3			100.0
Luxembourg		2 172			2 172		100.0			100.0
Netherlands	6 781				6 781	100.0				100.0
Poland	5 706	4 626			10 332	55.2	44.8			100.0
Portugal (e)		2 056		20	2 076		99.0		1.0	100.0
Romania	2 330	1 030			3 360	69.3	30.7			100.0
Slovak Republic	4 619	355			4 974	92.9	7.1			100.0
Slovenia		648			648		100.0			100.0
Spain	4 830	9 614			14 444	33.4	66.6			100.0
Sweden	3 078	1 635			4 713	65.3	34.7			100.0
United Kingdom	5 997	1 494			7 491	80.1	19.9			100.0
European Union (28)	100 408	67 870		20	168 298	59.7	40.3		0.0	100.0
Bosnia-Herzegovina	756				756	100.0				100.0
Macedonia		273			273		100.0			100.0
Montenegro (e)		120			120		100.0			100.0
Norway		603			603		100.0			100.0
Serbia	1 477				1 477	100.0				100.0
Switzerland (e)		1 450			1 450		100.0			100.0
Turkey	11 561	25 963			37 524	30.8	69.2			100.0
Other Europe	13 794	28 409			42 203	32.7	67.3			100.0
Azerbaijan (e)		180			180		100.0			100.0
Byelorussia		2 343			2 343		100.0			100.0
Kazakhstan	4 390	60			4 450	98.7	1.3			100.0
Moldova		455			455		100.0			100.0
Russia	47 800	22 000	1 690		71 490	66.9	30.8	2.4		100.0
Ukraine	15 305	1 445	4 575		21 325	71.8	6.8	21.5		100.0
Uzbekistan		680			680		100.0			100.0
C.I.S.	67 495	27 163	6 265		100 923	66.9	26.9	6.2		100.0
Canada	7 271	6 342			13 614	53.4	46.6			100.0
Cuba		221			221		100.0			100.0
El Salvador		96			96		100.0			100.0
Guatemala		294			294		100.0			100.0
Mexico	4 721	15 203			19 924	23.7	76.3			100.0
United States	25 788	55 824			81 612	31.6	68.4			100.0
North America	37 780	77 981			115 761	32.6	67.4			100.0

OBC - oxygen-blown converter.

EF - electric furnace.

OHF - open hearth furnace.

Table 6 (continued)	Crude Steel Production by Process *					Year: 2017				
	OBC	EF	OHF	Other	Total	OBC	EF	OHF	Other	Total
	thousand tonnes					% total production				
Argentina	2 296	2 328			4 624	49.6	50.4			100.0
Brazil	26 654	7 211		500	34 365	77.6	21.0		1.5	100.0
Chile	794	364			1 158	68.6	31.4			100.0
Colombia	220	1 035			1 255	17.5	82.5			100.0
Ecuador		561			561		100.0			100.0
Paraguay	24				24	100.0				100.0
Peru		1 207			1 207		100.0			100.0
Uruguay		58			58		100.0			100.0
Venezuela		444			444		100.0			100.0
South America	29 988	13 208		500	43 696	68.6	30.2		1.1	100.0
Algeria	650				650	100.0				100.0
D.R. Congo (e)		30			30		100.0			100.0
Egypt	570	6 300			6 870	8.3	91.7			100.0
Ghana (e)		25			25		100.0			100.0
Kenya (e)		20			20		100.0			100.0
Libya		422			422		100.0			100.0
Mauritania (e)				5	5				100.0	100.0
Morocco		550			550		100.0			100.0
Nigeria (e)		100			100		100.0			100.0
South Africa	3 731	2 570			6 301	59.2	40.8			100.0
Tunisia		50			50		100.0			100.0
Uganda (e)		30			30		100.0			100.0
Africa	4 951	10 097		5	15 053	32.9	67.1		0.0	100.0
Iran	2 235	19 000			21 235	10.5	89.5			100.0
Israel (e)		300			300		100.0			100.0
Jordan (e)		150			150		100.0			100.0
Oman (e)		2 000			2 000		100.0			100.0
Qatar		2 644			2 644		100.0			100.0
Saudi Arabia		4 831			4 831		100.0			100.0
Syria (e)		5			5		100.0			100.0
United Arab Emirates		3 309			3 309		100.0			100.0
Middle East	2 235	32 240			34 475	6.5	93.5			100.0
Bangladesh (e)		100			100		100.0			100.0
China (e)	754 140	77 490		85	831 715	90.7	9.3		0.0	100.0
India	43 764	55 253			99 017	44.2	55.8			100.0
Indonesia	2 922	2 274			5 195	56.2	43.8			100.0
Japan	79 343	25 318			104 661	75.8	24.2			100.0
South Korea	47 676	23 354			71 030	67.1	32.9			100.0
Malaysia		3 215			3 215		100.0			100.0
Mongolia (e)		50			50		100.0			100.0
Myanmar (e)		35			35		100.0			100.0
Pakistan (e)		4 966			4 966		100.0			100.0
Philippines		1 378			1 378		100.0			100.0
Singapore		596			596		100.0			100.0
Sri Lanka (e)		30			30		100.0			100.0
Taiwan, China	13 690	8 748			22 438	61.0	39.0			100.0
Thailand		4 471			4 471		100.0			100.0
Viet Nam	4 016	6 310		1 147	11 473	35.0	55.0		10.0	100.0
Asia	945 550	213 587		1 232	1 160 369	81.5	18.4		0.1	100.0
Australia	4 104	1 224			5 328	77.0	23.0			100.0
New Zealand	657				657	100.0				100.0
Oceania	4 761	1 224			5 985	79.5	20.5			100.0
World **	1 206 963	471 778	6 265	1 757	1 686 763	71.6	28.0	0.4	0.1	100.0

* - Includes all qualities: carbon, stainless, and other alloy.

** - Approximately 99.9% of total world production.

Table 7

Production of Crude Steel in Oxygen-blown Converters *

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	6 870	5 074	6 569	6 785	6 746	7 288	7 185	7 020	6 766	7 412
Belgium	7 407	3 289	5 177	5 253	4 647	4 738	4 952	4 809	5 330	5 360
Bulgaria	429									
Czech Republic	5 757	4 254	4 762	5 128	4 701	4 805	5 006	4 902	5 011	4 306
Germany	31 193	21 335	30 615	30 079	28 872	29 185	29 881	30 054	29 486	30 290
Finland	3 150	2 221	2 765	2 703	2 300	2 220	2 545	2 625	2 750	2 700
France	10 666	7 676	9 813	9 652	9 507	10 195	10 645	9 825	9 527	10 664
Hungary	1 576	1 271	1 586	1 570	1 488	744	974	1 507	1 041	1 602
Italy	10 911	5 812	8 587	9 892	9 312	6 798	6 514	4 791	5 669	4 732
Netherlands	6 706	5 134	6 523	6 765	6 739	6 581	6 839	6 888	6 824	6 781
Poland	5 225	3 236	3 995	4 424	4 234	4 399	5 067	5 321	5 110	5 706
Romania	3 343	1 790	1 990	1 877	1 701	1 830	1 845	2 245	2 228	2 330
Slovak Republic	4 109	3 542	4 244	3 856	4 023	4 172	4 344	4 236	4 506	4 619
Spain	4 067	3 088	3 840	3 844	3 423	4 210	4 206	4 701	4 547	4 830
Sweden	3 441	1 837	3 329	3 192	2 883	2 986	3 096	2 890	3 111	3 078
United Kingdom	10 478	7 959	7 323	6 946	7 525	9 915	10 165	9 051	6 153	5 997
European Union (28)	115 329	77 518	101 116	101 966	98 103	100 067	103 265	100 864	98 058	100 408
Bosnia-Herzegovina	228	517	592	649	700	721	793	819	806	756
Serbia	1 662	1 061	1 254	1 324	346	396	583	955	1 173	1 477
Turkey	7 034	7 563	8 238	8 832	9 325	9 931	10 283	11 035	11 317	11 561
Other Europe	8 925	9 141	10 084	10 804	10 371	11 048	11 659	12 809	13 295	13 794
Kazakhstan	3 373	3 283	3 293	3 636	2 904	3 009	3 526	3 620	4 230	4 390 e
Russia	38 907	38 036	42 430	43 650	45 800	46 101	47 567	46 979	47 000	47 800 e
Ukraine	20 218	20 679	23 200	24 500	23 954	24 284	19 930	16 455	16 950	15 305 e
C.I.S.	62 498	61 998	68 923	71 786	72 658	73 394	71 024	67 054	68 180	67 495
Canada	8 962	5 337	7 655	7 478	7 810	6 850	7 723	6 715	7 012	7 271
Mexico	5 011	4 337	5 155	5 066	4 989	5 363	5 679	4 978	4 919	4 721
United States	39 104	22 659	31 157	34 290	36 281	34 237	33 000	29 395	25 888	25 788
North America	53 077	32 333	43 967	46 835	49 080	46 450	46 402	41 089	37 819	37 780
Argentina	2 655	2 171	2 604	2 846	2 214	2 531	2 749	2 822	2 340	2 296
Brazil	25 231	19 662	24 627	26 447	25 962	25 055	25 507	26 013	24 173	26 654
Chile	1 185	968	647	1 191	1 186	864	697	773	815	794
Colombia	308	310	340	302	345	323	297	241	244	220
Paraguay	83	54	59	30	44	45	47	48	35	24
Peru	378									
South America	29 840	23 165	28 277	30 815	29 751	28 819	29 297	29 897	27 606	29 988
Algeria	619	597	662	551	557	417	415	650	650	650 e
Egypt	900	840	600	545	530	540	515	580	575	570 e
South Africa	4 504	3 954	4 367	3 992	3 904	4 272	3 623	3 908	3 820	3 731
Africa	6 023	5 391	5 628	5 088	4 991	5 229	4 553	5 138	5 045	4 951
Iran	1 984	1 992	2 150	2 296	2 157	2 013	2 724	2 407	2 183	2 235
Middle East	1 984	1 992	2 150	2 296	2 157	2 013	2 724	2 407	2 183	2 235
China (1)	447 762	521 203	572 376	630 561	666 185	764 631	767 900	756 300	756 600	754 140 e
India	22 151	23 002	23 500	23 632	24 664	34 773	37 045	38 216	40 796	43 764
Indonesia							1 903	2 720	2 907	2 922
Japan	89 238	68 337	85 756	82 743	82 307	85 680	84 987	81 081	81 513	79 343
South Korea	30 227	27 667	34 113	42 142	43 119	40 294	47 345	48 500	47 521	47 676
Pakistan (e)	900	620	400	350	200	165	145	180		
Taiwan, China	10 088	8 150	10 396	10 298	11 092	12 483	13 544	13 328	13 969	13 690
Viet Nam						500	877	1 409	2 343	4 016
Asia	600 366	648 980	726 542	789 727	827 567	938 526	953 748	941 734	945 649	945 550
Australia	6 158	4 331	6 067	5 150	3 777	3 642	3 573	3 797	3 983	4 104
New Zealand	566	532	620	611	625	612	595	583	577	657
Oceania	6 725	4 863	6 687	5 761	4 402	4 254	4 168	4 380	4 560	4 761
World	884 767	865 381	993 374	1 065 079	1 099 079	1 209 799	1 226 838	1 205 371	1 202 395	1 206 963

* - Includes all qualities: carbon, stainless, and other alloy.

Table 7
(continued)

Production of Crude Steel in Oxygen-blown Converters *

% total crude steel production

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	90.5	89.6	91.2	90.8	90.9	91.6	91.2	91.3	91.0	91.1
Belgium	69.4	58.4	64.9	65.4	63.6	66.8	67.6	66.3	69.3	68.3
Bulgaria	32.2									
Czech Republic	90.1	92.6	91.9	91.8	92.7	92.9	93.4	93.2	94.4	94.6
Germany	68.1	65.3	69.8	67.9	67.7	68.4	69.6	70.4	70.1	70.0
Finland	71.3	72.4	68.6	67.8	61.2	63.1	66.8	65.8	67.1	67.4
France	59.7	59.8	63.7	61.2	60.9	65.0	65.9	65.6	66.1	68.8
Hungary	75.1	90.6	94.5	89.9	96.5	84.3	84.5	90.0	81.7	84.3
Italy	35.7	29.3	33.3	34.4	34.2	28.2	27.5	21.8	24.3	19.7
Netherlands	97.8	98.8	98.1	97.5	98.0	98.0	98.2	98.5	98.7	100.0
Poland	53.7	45.4	50.0	50.4	50.6	55.3	59.2	57.8	56.8	55.2
Romania	66.4	64.8	53.5	49.0	51.7	61.3	58.4	67.0	68.0	69.3
Slovak Republic	91.5	94.5	92.6	91.0	91.4	92.5	92.3	92.9	93.7	92.9
Spain	21.8	21.5	23.5	24.8	25.1	29.5	29.5	31.7	33.4	33.4
Sweden	66.2	65.5	68.7	65.6	66.6	67.8	68.2	66.1	67.4	65.3
United Kingdom	77.5	79.0	75.4	73.3	78.6	83.6	83.9	83.0	80.6	80.1
European Union (28)	58.0	55.6	58.5	57.4	58.2	60.2	61.0	60.7	60.5	59.7
Bosnia-Herzegovina	37.5	99.6	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0
Serbia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Turkey	26.2	29.9	28.3	25.9	26.0	28.7	30.2	35.0	34.1	30.8
Other Europe	28.2	31.5	30.0	27.6	26.0	28.6	30.4	35.8	35.4	32.7
Kazakhstan	79.4	79.2	78.0	77.4	79.0	91.9	95.8	92.6	98.6	98.7 e
Russia	56.8	63.4	63.4	63.4	65.2	66.8	66.6	66.3	66.7	66.9 e
Ukraine	54.2	69.3	69.4	69.3	72.6	74.1	73.4	71.6	70.0	71.7 e
C.I.S.	54.7	63.5	63.7	63.7	65.6	67.7	67.0	66.0	66.8	66.9
Canada	60.0	57.4	58.8	58.0	57.8	55.2	60.7	53.8	55.4	53.4
Mexico	29.1	30.7	30.6	28.0	27.6	29.4	30.0	27.3	26.1	23.7
United States	42.6	38.2	38.7	39.7	40.9	39.4	37.4	37.3	33.0	31.6
North America	42.4	38.6	39.4	39.5	40.4	39.0	38.3	37.0	34.2	32.6
Argentina	47.9	54.1	50.7	50.7	44.3	48.8	50.1	56.1	56.7	49.6
Brazil	74.8	74.2	74.7	75.1	75.2	73.3	75.2	78.2	77.3	77.6
Chile	76.5	74.0	64.0	73.7	71.0	65.4	64.6	69.5	70.7	68.6
Colombia	29.3	29.4	28.2	23.4	26.5	26.1	24.6	19.9	19.2	17.6
Paraguay	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Peru	34.1									
South America	62.8	61.3	64.4	64.0	64.1	62.9	65.0	68.1	68.6	68.6
Algeria	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Egypt	14.5	15.2	9.0	8.4	8.0	8.0	7.9	10.5	11.4	8.3 e
South Africa	54.6	52.8	57.3	52.9	56.3	59.6	56.5	60.9	62.2	59.2
Africa	35.5	35.0	33.9	32.4	32.5	32.8	30.6	37.5	38.5	32.9
Iran	19.9	18.3	17.9	17.4	14.9	13.1	16.7	14.9	12.2	10.5
Middle East	11.9	11.2	10.8	9.9	8.6	7.5	9.1	8.2	6.9	6.5
China (1)	87.4	90.3	89.6	89.8	91.1	93.0	93.4	94.1	93.7	90.7 e
India	38.3	36.2	34.1	32.2	31.9	42.8	42.4	42.9	42.7	43.1
Indonesia							43.0	56.0	61.3	56.2
Japan	75.2	78.1	78.2	76.9	76.8	77.5	76.8	77.1	77.8	75.8
South Korea	56.4	57.0	57.9	61.5	62.4	61.0	66.2	69.6	69.3	67.1
Pakistan (e)	90.0	51.7	28.6	22.0	12.3	8.9	6.0	6.2		
Taiwan, China	50.7	51.5	52.6	51.0	53.7	56.0	58.6	62.3	64.2	61.0
Viet Nam						9.1	15.0	25.0	30.0	35.0
Asia	76.6	79.9	79.1	79.3	80.6	83.5	83.7	84.6	84.1	81.2
Australia	80.8	82.5	83.1	80.4	77.2	77.7	77.6	77.1	75.7	77.0
New Zealand	70.9	69.6	72.7	72.4	68.6	67.9	69.2	73.5	100.0	100.0
Oceania	79.8	80.9	82.1	79.5	75.8	76.1	76.2	76.6	78.1	79.5
World	65.9	69.9	69.3	69.3	70.4	73.3	73.5	74.4	73.9	71.4

* - Includes all qualities: carbon, stainless, and other alloy.

Table 8

Production of Crude Steel in Electric Furnaces (Arc and Induction) *

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	723	588	637	689	674	664	691	667	672	723
Belgium	3 265	2 347	2 796	2 773	2 654	2 355	2 379	2 448	2 357	2 480
Bulgaria	901	726	737	835	633	523	612	543	527	652
Croatia	89	43	95	96	1	135	167	122	0	0
Czech Republic	630	339	418	455	371	367	354	360	295	244
Germany	14 639	11 336	13 215	14 204	13 789	13 459	13 062	12 622	12 594	13 007
Finland	1 267	846	1 265	1 286	1 460	1 300	1 265	1 365	1 350	1 300
France	7 213	5 164	5 601	6 128	6 102	5 491	5 498	5 159	4 886	4 840
Greece	2 477	2 000	1 821	1 934	1 247	1 030	1 022	910	1 158	1 359
Hungary	521	132	92	176	54	139	178	168	233	298
Italy	19 679	14 036	17 163	18 843	17 939	17 295	17 200	17 227	17 704	19 336
Latvia				568	805	198				
Luxembourg	2 582	2 141	2 548	2 521	2 208	2 090	2 193	2 127	2 175	2 172
Netherlands	148	60	128	172	141	132	125	107	93	
Poland	4 503	3 893	3 998	4 356	4 132	3 551	3 492	3 877	3 891	4 626
Portugal	2 017	1 614	1 543	1 942	1 960	2 050	2 070	2 030	2 010	2 056
Romania	1 692	971	1 731	1 951	1 591	1 155	1 314	1 100	1 046	1 030 e
Slovak Republic	380	204	339	380	381	339	362	326	302	355
Slovenia	642	430	606	648	632	618	615	604	613	648
Spain	14 573	11 270	12 503	11 660	10 216	10 042	10 042	10 144	9 069	9 614
Sweden	1 757	967	1 517	1 675	1 443	1 418	1 443	1 485	1 506	1 635
United Kingdom	3 043	2 119	2 395	2 532	2 054	1 942	1 955	1 856	1 482	1 494
European Union (28)	82 740	61 226	71 147	75 825	70 487	66 292	66 039	65 247	63 962	67 870
Albania (e)	250	221	390	464	500	550	560	150	50	
Bosnia-Herzegovina	380	2				1				
Macedonia	253	270	292	386	217	100	188	121	169	273
Montenegro (e)	170	130	130	140	120	70	140	150	120	120 e
Norway	560	595	530	610	700	605	600	590	620	603
Switzerland	1 312	934	1 320	1 400	1 450	1 530	1 475	1 475	1 500	1 450 e
Turkey	19 771	17 741	20 905	25 275	26 560	24 723	23 752	20 482	21 846	25 963
Other Europe	22 696	19 893	23 566	28 275	29 547	27 579	26 715	22 968	24 305	28 409
Azerbaijan (e)	150	120	120	120	120	173	180	180	180	180
Byelorussia	2 489	2 356	2 500	2 600	2 687	2 245	2 513	2 510	2 188	2 343
Kazakhstan	877	863	927	1 064	773	266	155	290	60	60 e
Moldova	885	426	240	313	335	190	351	443	126	455
Russia	20 000	16 119	17 980	18 500	20 800	20 005	21 852	21 600	21 800	22 000 e
Ukraine	1 570	1 338	1 500	1 580	1 987	1 951	1 678	1 293	1 700	1 445 e
Uzbekistan	580	626	630	650	736	746	723	643	654	680
C.I.S.	26 551	21 848	23 897	24 826	27 437	25 576	27 452	26 959	26 708	27 163
Canada	5 983	3 955	5 355	5 412	5 697	5 565	5 007	5 757	5 634	6 342
Cuba	279	267	278	282	277	322	256	284	244	221
El Salvador	71	56	64	97	72	118	121	124	100	96
Guatemala	250	224	274	294	334	385	395	403	314	294
Mexico	12 198	9 795	11 715	13 044	13 084	12 880	13 251	13 240	13 904	15 203
Trinidad and Tobago	489	417	572	603	628	616	487	591	36	
United States	52 790	36 725	49 338	52 107	52 414	52 641	55 174	49 450	52 587	55 824
North America	72 060	51 439	67 595	71 840	72 506	72 526	74 691	69 849	72 820	77 981

Table 8
(continued) **Production of Crude Steel in Electric Furnaces (Arc and Induction) ***

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Argentina	2 886	1 842	2 535	2 765	2 781	2 654	2 740	2 206	1 787	2 328
Brazil	7 933	6 349	7 812	8 231	8 094	8 570	7 877	6 720	6 600	7 211
Chile	365	340	364	424	485	458	382	339	337	364
Colombia	745	743	867	986	957	913	910	970	1 028	1 035
Ecuador	128	259	372	463	425	570	667	720	576	561
Peru	731	718	880	877	981	1 069	1 078	1 082	1 168	1 207
Uruguay	86	57	65	81	78	91	94	97	61	58
Venezuela	4 224	3 808	2 207	2 980	2 359	2 139	1 485	1 345	553	444
South America	17 098	14 116	15 103	16 807	16 160	16 465	15 233	13 479	12 111	13 208
D.R. Congo (e)	30	30	30	30	30	30	30	30	30	30 e
Egypt	5 300	4 700	6 075	5 940	6 100	6 215	5 970	4 930	4 460	6 300 e
Ghana (e)	25	25	25	25	25	25	25	25	25	25 e
Kenya (e)	20	20	20	20	20	20	20	20	20	20 e
Libya	1 137	914	825	100	315	712	712	352	492	422
Morocco	478	499	485	654	539	558	501	516	520	550 e
Nigeria (e)	100	100	100	100	100	100	100	100	100	100 e
South Africa	3 742	3 530	3 250	3 555	3 034	2 890	2 789	2 510	2 322	2 570
Tunisia	82	155	150	150	150	150	150	50	50	50 e
Uganda (e)	30	30	30	30	30	30	30	30	30	30 e
Africa	10 943	10 003	10 990	10 603	10 344	10 730	10 327	8 562	8 048	10 097
Iran	7 980	8 916	9 845	10 901	12 306	13 409	13 607	13 739	15 712	19 000
Israel (e)	300	300	300	300	300	300	300	300	300	300 e
Jordan (e)	150	150	150	150	150	150	150	150	150	150 e
Oman (e)				200	300	500	1 500	2 000	2 000	2 000 e
Qatar	1 406	1 448	1 970	2 038	2 145	2 236	3 019	2 593	2 521	2 644
Saudi Arabia	4 667	4 690	5 015	5 275	5 203	5 471	6 291	5 229	5 461	4 831
Syria (e)	70	70	70	70	10	10	5	5	5	5 e
United Arab Emirates	90	200	500	2 000	2 408	2 878	2 390	3 006	3 149	3 309
Middle East	14 662	15 774	17 850	20 934	22 822	24 954	27 262	27 022	29 298	32 240
Bangladesh (e)	50	70	78	85	87	84	90	100	100	100 e
China (1)	63 413	55 765	66 315	70 946	64 796	48 444	54 337	47 457	50 928	77 490 e
India	35 223	40 133	45 060	49 474	52 350	46 391	50 211	50 810	54 737	55 253
Indonesia	3 915	3 501	3 664	3 621	2 254	2 644	2 524	2 134	1 839	2 274
Japan	29 501	19 197	23 843	24 858	24 925	24 915	25 679	24 053	23 262	25 318
South Korea	23 398	20 905	24 801	26 377	25 955	25 768	24 197	21 171	21 055	23 354
Malaysia	6 423	5 354	5 694	5 941	5 612	4 693	4 316	3 784	2 764	3 215
Mongolia (e)	35	35	35	35	35	40	45	45	50	50 e
Myanmar (e)	25	25	25	25	25	30	35	35	35	35 e
Pakistan (e)	100	580	1 000	1 240	1 430	1 680	2 280	2 710	3 553	4 966
Philippines	711	824	1 050	1 200	1 260	1 308	1 196	968	1 075	1 378
Singapore	764	664	728	752	688	434	540	501	520	596
Sri Lanka (e)	30	30	30	30	30	30	30	30	30	30
Taiwan, China	9 795	7 664	9 358	9 880	9 572	9 799	9 577	8 064	7 782	8 748
Thailand	5 211	3 646	4 145	4 238	3 328	3 579	4 095	3 718	3 825	4 471
Viet Nam	2 250	2 700	4 314	4 900	5 298	4 653	4 385	3 381	4 687	6 310
Asia	180 844	161 092	190 140	203 601	197 644	174 491	183 537	168 961	176 243	213 587
Australia	1 467	919	1 229	1 254	1 116	1 045	1 034	1 127	1 276	1 224
New Zealand	233	233	233	233	287	289	264	210		
Oceania	1 699	1 151	1 462	1 487	1 403	1 334	1 298	1 337	1 276	1 224
World	429 295	356 541	421 750	454 198	448 349	419 947	432 555	404 385	414 772	471 778

* - Includes all qualities: carbon, stainless, and other alloy.

Table 8
(continued)

Production of Crude Steel in Electric Furnaces (Arc and Induction) *

% total crude steel production

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	9.5	10.4	8.8	9.2	9.1	8.4	8.8	8.7	9.0	8.9
Belgium	30.6	41.6	35.1	34.6	36.4	33.2	32.4	33.7	30.7	31.6
Bulgaria	67.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Croatia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Czech Republic	9.9	7.4	8.1	8.2	7.3	7.1	6.6	6.8	5.6	5.4
Germany	31.9	34.7	30.2	32.1	32.3	31.6	30.4	29.6	29.9	30.0
Finland	28.7	27.6	31.4	32.2	38.8	37.0	33.2	34.2	32.9	32.5
France	40.3	40.2	36.3	38.8	39.1	35.0	34.1	34.4	33.9	31.2
Greece	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Hungary	24.9	9.4	5.5	10.1	3.5	15.7	15.5	10.0	18.3	15.7
Italy	64.3	70.7	66.7	65.6	65.8	71.8	72.5	78.2	75.7	80.3
Latvia				100.0	100.0	100.0				
Luxembourg	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Netherlands	2.2	1.2	1.9	2.5	2.0	2.0	1.8	1.5	1.3	
Poland	46.3	54.6	50.0	49.6	49.4	44.7	40.8	42.2	43.2	44.8
Portugal	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0
Romania	33.6	35.2	46.5	51.0	48.3	38.7	41.6	32.8	31.9	30.6 e
Slovak Republic	8.5	5.5	7.4	9.0	8.6	7.5	7.7	7.1	6.3	7.1
Slovenia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Spain	78.2	78.5	76.5	75.2	74.9	70.5	70.5	68.3	66.6	66.6
Sweden	33.8	34.5	31.3	34.4	33.4	32.2	31.8	33.9	32.6	34.7
United Kingdom	22.5	21.0	24.7	26.7	21.4	16.4	16.1	17.0	19.4	19.9
European Union (28)	41.6	43.9	41.1	42.6	41.8	39.8	39.0	39.3	39.5	40.3
Albania (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Bosnia-Herzegovina	62.5	0.4				0.1				
Macedonia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Montenegro (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Norway	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Switzerland	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Turkey	73.8	70.1	71.7	74.1	74.0	71.3	69.8	65.0	65.9	69.2
Other Europe	71.8	68.5	70.0	72.4	74.0	71.4	69.6	64.2	64.6	67.3
Azerbaijan (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Byelorussia	96.1	97.5	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0
Kazakhstan	20.6	20.8	22.0	22.6	21.0	8.1	4.2	7.4	1.4	1.3 e
Moldova	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Russia	29.2	26.9	26.9	26.9	29.6	29.0	30.6	30.5	30.9	30.8 e
Ukraine	4.2	4.5	4.5	4.5	6.0	6.0	6.2	5.6	7.0	6.8 e
Uzbekistan	85.0	87.4	88.0	88.7	100.0	100.0	100.0	100.0	100.0	100.0
C.I.S.	23.2	22.4	22.1	22.0	24.8	23.6	25.9	26.5	26.2	26.9
Canada	40.0	42.6	41.2	42.0	42.2	44.8	39.3	46.2	44.6	46.6
Cuba	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
El Salvador	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Guatemala	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mexico	70.9	69.3	69.4	72.0	72.4	70.6	70.0	72.7	73.9	76.3
Trinidad and Tobago	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
United States	57.4	61.8	61.3	60.3	59.1	60.6	62.6	62.7	67.0	68.4
North America	57.6	61.4	60.6	60.5	59.6	61.0	61.7	63.0	65.8	67.4

Table 8
(continued)

Production of Crude Steel in Electric Furnaces (Arc and Induction) *

% total crude steel production

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Argentina	52.1	45.9	49.3	49.3	55.7	51.2	49.9	43.9	43.3	50.4
Brazil	23.5	24.0	23.7	23.4	23.4	25.1	23.2	20.2	21.1	21.0
Chile	23.5	26.0	36.0	26.3	29.0	34.6	35.4	30.5	29.3	31.4
Colombia	70.7	70.6	71.8	76.6	73.5	73.9	75.4	80.1	80.8	82.6
Ecuador	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Peru	65.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Uruguay	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Venezuela	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
South America	36.0	37.4	34.4	34.9	34.8	35.9	33.8	30.7	30.1	30.2
D.R. Congo (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Egypt	85.5	84.8	91.0	91.6	92.0	92.0	92.1	89.5	88.6	91.7 e
Ghana (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Kenya (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Libya	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Morocco	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Nigeria (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
South Africa	45.4	47.2	42.7	47.1	43.7	40.4	43.5	39.1	37.8	40.8
Tunisia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Uganda (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Africa	64.5	65.0	66.1	67.6	67.4	67.2	69.4	62.5	61.4	67.1
Iran	80.1	81.7	82.1	82.6	85.1	86.9	83.3	85.1	87.8	89.5
Israel (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Jordan (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Oman (e)				100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Qatar	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Saudi Arabia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Syria (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
United Arab Emirates	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Middle East	88.1	88.8	89.2	90.1	91.4	92.5	90.9	91.8	93.1	93.5
Bangladesh (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
China (1)	12.4	9.7	10.4	10.1	8.9	5.9	6.6	5.9	6.3	9.3 e
India	60.9	63.2	65.3	67.3	67.8	57.1	57.5	57.1	57.3	54.5
Indonesia	100.0	100.0	100.0	100.0	100.0	100.0	57.0	44.0	38.7	43.8
Japan	24.8	21.9	21.8	23.1	23.2	22.5	23.2	22.9	22.2	24.2
South Korea	43.6	43.0	42.1	38.5	37.6	39.0	33.8	30.4	30.7	32.9
Malaysia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mongolia (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Myanmar (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Pakistan (e)	10.0	48.3	71.4	77.9	87.7	91.1	94.1	93.7	100.0	100.0
Philippines	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Singapore	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sri Lanka (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Taiwan, China	49.3	48.5	47.4	49.0	46.3	44.0	41.4	37.7	35.8	39.0
Thailand	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Viet Nam	100.0	100.0	100.0	100.0	100.0	85.0	75.0	59.9	60.0	55.0
Asia	23.1	19.8	20.7	20.5	19.2	15.5	16.1	15.2	15.7	18.3
Australia	19.2	17.5	16.9	19.6	22.8	22.3	22.4	22.9	24.3	23.0
New Zealand	29.1	30.4	27.3	27.6	31.4	32.1	30.8	26.5		
Oceania	20.2	19.1	17.9	20.5	24.2	23.9	23.8	23.4	21.9	20.5
World	32.0	28.8	29.4	29.5	28.7	25.4	25.9	25.0	25.5	27.9

* - Includes all qualities: carbon, stainless, and other alloy.

Table 9

Production of Crude Steel in Open Hearth Furnaces *

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Latvia	635	692	655							
European Union (28)	635	692	655							
Byelorussia	100	60	30	14						
Russia	11 627	5 856	6 530	6 700	3 610	2 744	1 981	1 671	1 650	1 690 e
Ukraine	15 319	7 838	8 730	9 250	7 035	6 536	5 563	5 181	5 570	4 575 e
Uzbekistan	94	90	85	85						
C.I.S.	27 140	13 844	15 375	16 049	10 645	9 281	7 543	6 853	7 220	6 265
India	417	394	416	367	250	135	35			
Asia	417	394	416	367	250	135	35			
World	28 192	14 930	16 446	16 416	10 895	9 416	7 578	6 853	7 220	6 265

* - Includes all qualities: carbon, stainless, and other alloy.

Table 9
(continued)

Production of Crude Steel in Open Hearth Furnaces *

% total crude steel production

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Latvia	100.0	100.0	100.0							
European Union (28)	0.3	0.5	0.4							
Byelorussia	3.9	2.5	1.2	0.5						
Russia	17.0	9.8	9.8	9.7	5.1	4.0	2.8	2.4	2.3	2.4 e
Ukraine	41.1	26.3	26.1	26.2	21.3	19.9	20.5	22.6	23.0	21.4 e
Uzbekistan	13.8	12.6	11.9	11.6						
C.I.S.	23.7	14.2	14.2	14.2	9.6	8.6	7.1	6.7	7.1	6.2
India	0.7	0.6	0.6	0.5	0.3	0.2	0.0			
Asia	0.1	0.0	0.0	0.0	0.0	0.0	0.0			
World	2.1	1.2	1.1	1.1	0.7	0.6	0.5	0.4	0.4	0.4

* - Includes all qualities: carbon, stainless, and other alloy.

Table 10 Monthly Crude Steel Production 2017

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Austria	699	640	701	674	715	655	678	678	638	724	658	676	8 135
Belgium	636	643	721	635	705	614	608	640	615	719	658	649	7 842
Bulgaria	53	55	59	59	60	61	47	47	52	53	52	55	652
Croatia	0	0	0	0	0	0	0	0	0	0	0	0	0
Czech Republic	437	410	447	396	366	380	412	363	235	382	340	382	4 550
Finland	362	320	348	333	369	333	350	322	341	341	254	303	4 003
France	1 332	1 239	1 332	1 264	1 425	1 325	1 362	1 135	1 322	1 356	1 199	1 213	15 505
Germany	3 647	3 451	3 878	3 842	3 801	3 603	3 517	3 575	3 576	3 551	3 554	3 304	43 297
Greece	85	107	127	106	135	129	129	42	135	135	138	91	1 359
Hungary	132	142	158	159	166	162	162	160	169	163	169	165	1 901
Italy	1 917	2 002	2 257	1 988	2 102	2 103	2 139	1 097	2 195	2 274	2 208	1 787	24 068
Luxembourg	202	166	200	178	159	199	211	129	191	212	193	132	2 172
Netherlands	602	510	559	552	616	604	574	596	439	566	591	574	6 781
Poland	852	796	855	891	881	853	912	846	865	871	821	888	10 332
Slovak Republic	429	396	402	399	434	423	427	354	430	443	418	422	4 974
Slovenia	53	48	57	49	56	53	48	58	59	61	60	47	648
Spain	1 179	1 113	1 366	1 224	1 249	1 253	999	1 130	1 205	1 392	1 312	1 020	14 444
Sweden	428	375	432	425	375	372	343	283	422	444	417	397	4 713
United Kingdom	677	595	636	709	617	610	591	546	629	700	592	640	7 491
Other E.U. (28) (e)	469	447	503	486	485	488	475	370	457	478	334	426	5 437
European Union (28)	14 190	13 456	15 038	14 387	14 714	14 214	13 983	12 370	13 981	14 866	13 967	13 171	168 305
Bosnia-Herzegovina	44	64	60	69	62	60	70	67	68	45	70	76	756
Macedonia		21	27	32	27	27	27	28	33	22	23	34	273
Norway	58	51	59	46	54	52	14	57	51	56	58	47	603
Serbia	89	85	149	152	119	102	140	155	99	87	138	162	1 477
Turkey	2 950	2 759	3 131	3 046	3 308	3 021	3 345	3 182	3 001	3 306	3 208	3 268	37 524
Other Europe	3 141	2 980	3 425	3 345	3 569	3 236	3 595	3 489	3 252	3 517	3 496	3 586	40 633
Byelorussia	160	175	180	203	217	218	167	154	214	232	215	208	2 343
Kazakhstan	368	325	388	391	383	389	423	391	362	380	416	425	4 450
Moldova			38	28	44	43	40	49	56	53	65	53	455
Russia	5 906	5 479	6 299	5 891	5 877	5 618	6 118	6 175	5 986	5 984	5 918	6 240	71 491
Ukraine	2 030	1 710	1 634	1 623	1 647	1 591	1 629	1 855	1 934	1 917	1 867	1 897	21 334
Uzbekistan	51	50	53	57	53	58	52	64	59	50	56	51	680
C.I.S.	8 515	7 739	8 592	8 193	8 221	7 917	8 429	8 688	8 611	8 616	8 537	8 874	100 753

Note: annual totals may include revisions not shown in the months.

Table 10
(continued)

Monthly Crude Steel Production

2017

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Canada	1 140	1 149	1 175	1 046	1 001	1 121	1 125	1 043	1 143	1 359	1 173	1 137	13 614
Cuba	18	17	16	17	17	16	18	20	20	19	22	21	221
El Salvador	8	8	8	7	8	7	9	8	9	8	9	8	96
Guatemala	25	24	22	24	23	23	25	25	26	25	26	25	294
Mexico	1 678	1 652	1 701	1 575	1 741	1 698	1 728	1 636	1 593	1 672	1 633	1 618	19 924
United States	6 975	6 423	6 894	6 691	6 901	6 793	6 962	7 099	6 651	6 851	6 640	6 732	81 612
North America	9 844	9 274	9 816	9 366	9 691	9 658	9 666	9 831	9 442	9 934	9 504	9 542	115 761
Argentina	291	305	392	367	394	372	399	417	423	447	435	381	4 624
Brazil	2 828	2 572	2 845	2 893	2 928	2 649	2 831	2 955	2 959	3 045	3 030	2 822	34 365
Chile	99	91	109	91	97	92	99	97	81	104	100	98	1 158
Colombia	93	109	117	105	105	110	114	107	89	89	113	102	1 253
Ecuador	47	48	46	45	47	46	49	49	48	43	47	46	561
Paraguay	2	1	1	1	1	2	2	3	3	3	3	3	24
Peru	99	93	104	105	102	97	102	86	98	107	101	112	1 207
Uruguay	6	3	4	5	4	4	5	5	5	5	6	5	58
Venezuela	27	37	49	61	53	30	10	19	69	23	34	33	444
South America	3 492	3 259	3 667	3 672	3 731	3 403	3 610	3 740	3 775	3 865	3 869	3 603	43 693
Egypt	573	541	528	543	575	571	539	573	571	590	605	659	6 870
Libya	9	41	49	54	39	17	17	29	25	37	51	52	422
South Africa	534 e	496 e	545 e	493 e	554 e	468 e	493 e	554 e	556 e	566 e	551 e	503 e	6 301
Africa	1 116	1 078	1 122	1 090	1 168	1 045	1 050	1 157	1 152	1 193	1 207	1 215	13 593
Iran	1 573	1 426	1 635	1 735	1 793	1 785	1 750	1 816	1 918	1 872	1 952	1 980	21 236
Qatar	247	223	240	186	195	207	234	233	234	239	190	216	2 644
Saudi Arabia (1)	483	480	376	454	324	401	361	485	456	396	269	347	4 831
United Arab Emirates	318	274	282	299	288	268	209	275	239	284	287	286	3 309
Middle East	2 620	2 403	2 534	2 674	2 600	2 662	2 554	2 809	2 846	2 791	2 698	2 828	32 020
China	67 899	61 328	70 800	73 195	74 491	74 624	75 756	78 207	75 199	72 362	66 151	67 047	831 728
India	8 810	8 154	8 764	8 178	8 132	7 917	8 228	8 520	8 345	8 736	8 603	9 066	101 455
Japan	9 003	8 340	8 888	8 755	8 929	8 410	8 588	8 728	8 626	8 971	8 703	8 721	104 661
South Korea	5 963	5 529	5 823	5 503	6 046	5 931	6 170	6 097	6 058	5 975	5 864	6 071	71 030
Pakistan	380	408	424	482	285	315	476	460	441	430	440	425	4 966
Taiwan, China	1 898	1 848	2 000	1 943	2 004	1 817	1 819	1 886	1 807	1 791	1 734	1 893	22 438
Thailand	369	370	392	338	337	345	394	388	393	388	371	386	4 471
Vietnam (2)	767	759	888	799	755	880	970	955	945	750	980	875	11 473
Asia	95 089	86 736	97 979	99 193	100 980	100 239	102 400	105 241	101 813	99 404	92 846	94 483	1 152 222
Australia	437	392	429	411	432	448	459	462	427	476	482	472	5 328
New Zealand	58	50	47	55	61	55	55	58	45	57	55	61	657
Oceania	495	442	476	466	492	504	514	520	473	532	538	532	5 985
Total 64 countries*	138 502	127 366	142 649	142 380	145 167	142 877	146 003	147 846	145 345	144 718	136 661	137 835	1 672 965

* - Approximately 99% of total world production.

(1) - HADEED only.

(2) partial data, approximately XX% of total.

Note: annual totals may include revisions not shown in the months.

Table 11

Production of Hot Rolled Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	6 850	5 394	6 619	6 875	6 900	7 377	7 148	7 601	7 594	7 999
Belgium	11 792	7 172	9 649	10 012	8 917	8 293	8 392	8 938	8 735	9 585
Bulgaria	1 943	947	896	1 115	818	875	935	840	921	993
Croatia	89	76	81	69	15	16	17	16	17	15
Czech Republic	5 285	3 955	4 625	4 616	4 276	4 416	4 375	4 459	4 657	4 053
Denmark (e)	591	313	470	540	360	480	490	575	615	590 e
Germany	41 508	29 990	38 103	39 286	37 843	37 687	37 713	37 562	37 602	38 740
Finland (e)	3 674	2 537	3 380	3 380	3 355	3 195	3 440	3 560	3 780	3 700 e
France	2 759	3 222	3 235	3 486	13 529	14 716	15 464	14 994	14 319	15 103
Greece (e)	2 370	1 855	1 635	1 790	1 155	985	965	875	1 020	1 140 e
Hungary	2 220	1 452	1 594	1 765	1 928	1 936	1 823	1 714	1 593	1 972
Italy	31 521	20 743	25 359	27 978	26 309	23 553	23 150	21 730	23 205	23 227
Latvia (e)	635	692	650	570	810	814	150	200		
Luxembourg	2 910	2 418	2 737	2 220	2 136	2 015	2 124	2 034	2 056	2 055
Netherlands	5 839	4 997	6 274	6 401	6 418	6 370	6 657	6 814	6 465	6 589
Poland	7 807	6 358	7 050	7 844	7 789	7 514	7 650	7 953	8 229	9 039
Portugal (e)	1 274	1 483	1 330	1 765	1 870	1 910	1 860	1 835	1 750	1 700 e
Romania (e)	4 652	2 862	3 580	3 900	3 080	2 750	2 950	3 200	3 120	3 100 e
Slovak Republic (e)	4 001	3 395	3 726	3 468	3 600	3 660	4 607	4 300	4 300	4 350 e
Slovenia (e)	560	355	492	530	510	500	500	500	510	540 e
Spain	18 444	14 406	15 511	15 251	13 166	12 954	13 529	13 781	13 181	13 589 e
Sweden (e)	5 276	2 956	4 100	4 125	3 420	3 500	3 800	3 790	3 950	4 020 e
United Kingdom	9 517	7 135	8 395	7 963	7 042	8 031	8 087	7 953	6 683	6 330
European Union (28)	171 518	124 712	149 490	154 948	155 247	153 548	155 824	155 222	154 302	158 429
Albania (e)	245	280	236	295	355	480	435	475	100	
Bosnia-Herzegovina	551	435	475	548	565	592	605	650	690	690
Montenegro (e)	145	120	120	125	110	65	135	140	100	100 e
Norway (e)	570	470	405	450	465	450	475	480	500	460 e
Serbia	1 725	1 225	1 380	1 225	155	130	315	820	1 150	1 400 e
Turkey (e)	22 000	20 700	21 700	26 400	28 305	30 070	29 830	30 500	32 100	36 300 e
Other Europe	25 236	23 230	24 315	29 043	29 955	31 787	31 795	33 065	34 640	38 950
Byelorussia	2 334	2 296	1 567	1 685	1 898	1 818	1 855	1 878	1 878	1 891
Kazakhstan	2 885	3 098	3 033	3 355	2 689	2 803	3 173	3 474	3 669	4 261
Moldova	817	441	231	307	360	190	365	460	130	450 e
Russia	56 313	50 840	42 959	45 351	46 653	46 966	48 653	48 106	48 079	48 640
Ukraine	20 470	14 900	17 799	19 807	18 577	17 594	14 942	12 370	13 147	12 781
Uzbekistan	660	700	700	720	725	735	785	850	860	1 000 e
C.I.S.	83 478	72 275	66 289	71 224	70 902	70 106	69 773	67 138	67 763	69 023
Canada	14 906	8 685	12 365	12 080	12 321	12 192	11 984	11 954	11 977	11 860
Costa Rica	293	280	287	308	372	447	460	474	382	378
Cuba	124	120	108	118	126	150	105	126	130	114
Dominican Republic	292	268	273	272	395	406	516	425	385	471
El Salvador	126	69	78	97	78	81	83	85	97	90
Guatemala	306	288	345	376	449	557	574	591	474	454
Mexico	14 174	12 994	14 809	15 793	16 269	16 357	17 742	17 573	18 697	18 694
Trinidad and Tobago	272	238	361	427	398	297	300	413	25	
United States	89 354	56 396	75 699	83 339	87 043	86 567	89 130	78 514	78 393	82 451
North America	119 848	79 338	104 325	112 811	117 452	117 053	120 894	110 156	110 559	114 512

Table 11
(continued)

Production of Hot Rolled Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Argentina	5 210	3 749	5 046	5 386	4 952	5 144	5 021	4 572	3 984	4 595
Brazil	24 693	20 223	25 401	25 240	25 696	26 263	24 916	23 029	21 311	22 973
Chile	1 517	1 279	1 473	1 514	1 594	1 289	1 017	1 035	1 081	1 062
Colombia	1 452	1 466	1 621	1 780	1 726	1 651	1 795	1 860	1 772	1 895
Ecuador	560	442	546	489	559	691	707	761	682	710
Paraguay	49	42	44	27	22	23	23	24	19	21
Peru	929	871	1 046	913	1 205	1 358	1 434	1 335	1 417	1 517
Uruguay	84	55	59	72	74	76	79	81	75	66
Venezuela	3 676	3 204	2 054	2 658	2 065	1 948	1 357	1 261	530	404
South America	38 169	31 329	37 291	38 077	37 893	38 442	36 349	33 957	30 871	33 244
Algeria (e)	530	510	560	470	470	400	520	960	860	2 100 e
Egypt	6 766	6 352	7 939	6 588	7 265	7 438	8 137	7 676	8 001	8 059
Libya (e)	1 390	1 370	945	65	310	690	650	440	430	410 e
Morocco (e)	916	963	1 035	1 090	855	1 035	970	1 200	1 200	950 e
South Africa (e)	6 423	5 550	5 820	5 850	5 400	5 800	5 583	5 700	5 450	5 600 e
Tunisia (e)	380	400	500	395	370	440	440	490	400	500 e
Africa	16 406	15 145	16 799	14 458	14 670	15 803	16 300	16 466	16 341	17 619
Iran	8 809	9 880	15 395	16 813	17 261	16 656	16 482	15 133	15 473	15 920
Qatar	1 146	1 468	1 550	1 580	1 650	1 696	1 709	1 784	1 894	1 745
Saudi Arabia (e)	4 110	4 130	4 420	4 650	4 600	4 900	5 000	5 500	5 000	4 500 e
United Arab Emirates	1 460	1 170	1 580	1 950	2 156	2 549	2 765	2 959	3 126	3 246
Middle East	15 524	16 648	22 945	24 993	25 666	25 801	25 956	25 376	25 494	25 410
China (3)	613 795	693 405	802 014	885 195	950 651	1 077 477	1 125 574	1 112 424	1 039 860	1 048 180
China (4)	501 196	578 836	655 160	717 670	768 026	859 521	872 636	849 483	846 760	854 000 e
India (5)	56 977	59 355	66 120	74 521	80 198	85 277	92 470	89 927	99 312	119 892
Indonesia	5 198	5 092	5 212	5 448	5 418	5 116	6 475	6 168	6 552	7 866
Japan	106 082	76 686	97 765	95 666	94 807	96 965	97 882	93 020	92 636	92 441
South Korea	56 105	51 057	59 031	66 473	66 317	64 541	68 905	67 756	67 131	69 557
Malaysia	5 547	5 103	4 967	5 111	4 954	4 980	4 759	4 226	3 782	3 772
Philippines	1 819	1 977	2 133	2 420	2 653	3 020	3 273	4 013	4 346	4 300
Singapore	753	689	716	750	705	429	540	501	528	596
Taiwan, China	22 039	18 385	23 493	24 578	24 277	24 219	25 472	25 019	26 639	27 664
Thailand	7 615	6 955	7 483	6 936	6 721	6 978	7 030	6 366	7 957	6 875
Viet Nam	3 867	4 723	5 659	5 470	5 049	5 123	5 657	7 199	8 657	11 302
Asia	767 197	808 857	927 737	1 005 043	1 059 125	1 156 170	1 185 098	1 153 678	1 164 300	1 198 266
Australia	6 658	4 789	6 327	6 082	5 381	4 400	4 092	4 307	4 693	4 606
New Zealand (e)	750	710	810	800	845	830	780	735	550	625 e
Oceania	7 408	5 499	7 137	6 882	6 226	5 230	4 872	5 042	5 243	5 231
World	1 244 784	1 177 033	1 356 329	1 457 480	1 517 137	1 613 940	1 646 861	1 600 099	1 609 513	1 660 684

(3) - rolled steel products, not included in totals.

(4) - total hot rolled steel products derived from the sum of individual products.

(5) - finished steel products for sale.

Table 12

Production of Hot Rolled Long Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	1 405	1 164	1 405	1 413	1 406	1 487	1 410	1 596	1 552	1 614
Belgium	1 071	845	845	962	872	796	792	798	594	690
Bulgaria	905	644	612	814	543	681	662	627	739	647
Croatia	89	76	81	69	15	16	17	16	17	15
Czech Republic	3 163	2 652	2 995	2 978	2 964	3 064	3 064	3 164	3 264	2 920
Denmark (1)	109	105	90	120	75	80	80	100	100	110 e
Germany	13 716	10 229	11 918	12 742	12 825	12 783	12 414	12 724	12 382	12 860
Finland (1)	624	427	535	535	535	510	550	565	580	600 e
France	974	908	1 036	1 058	4 307	4 447	4 616	4 426	4 133	4 102
Greece (1)	2 370	1 855	1 635	1 790	1 155	985	965	875	1 020	1 140 e
Hungary	449	127	78	101	48	133	167	134	223	285
Italy	16 665	11 179	12 161	12 888	11 815	11 454	11 311	11 194	11 649	11 917
Latvia (1)	635	692	650	570	810	814	150	200	30	5 e
Luxembourg	2 910	2 418	2 737	2 220	2 136	2 015	2 124	2 034	2 056	2 055
Netherlands	198	112	216	204	165	170	178	163	165	169
Poland	4 779	4 083	4 544	5 042	4 689	4 457	4 708	4 943	5 254	5 462
Portugal (1)	1 274	1 483	1 330	1 765	1 870	1 910	1 860	1 835	1 750	1 700 e
Romania (1)	1 221	870	815	885	945	845	925	1 015	990	1 000 e
Slovenia (2)	194	92	159	190	170	165	165	165	170	190 e
Spain	12 378	10 297	10 151	10 170	9 365	8 613	8 924	9 052	8 742	8 789
Sweden (1)	618	346	775	785	650	665	720	720	750	760 e
United Kingdom	4 439	3 131	3 587	3 319	2 978	3 017	3 080	3 262	2 940	2 523
European Union (28)	70 186	53 735	58 357	60 619	60 341	59 107	58 882	59 607	59 101	59 552
Albania (e)	245	280	236	295	355	480	435	475	100	
Bosnia-Herzegovina	551	435	475	548	565	592	605	650	690	690
Montenegro (e)	145	120	120	125	110	65	135	140	100	100 e
Norway (e)	570	470	405	450	465	450	475	480	500	460 e
Turkey (e)	15 700	14 700	15 500	18 800	20 205	21 465	21 295	20 800	21 900	23 300 e
Other Europe	17 211	16 005	16 735	20 218	21 700	23 052	22 945	22 545	23 290	24 550
Byelorussia	2 334	2 296	1 471	1 567	1 774	1 689	1 734	1 766	1 794	1 752
Kazakhstan	68	70	48	87	290	352	558	750	670	843
Moldova	817	441	231	307	360	190	365	460	130	450 e
Russia	20 500	18 500	15 326	16 842	17 435	17 725	18 387	17 106	17 567	17 285
Ukraine	12 830	9 340	7 825	8 169	8 204	7 953	6 449	5 640	5 918	5 529
Uzbekistan	660	700	700	720	725	735	785	850	860	1 000 e
C.I.S.	37 208	31 347	25 602	27 691	28 787	28 644	28 277	26 572	26 939	26 859
Canada	3 032	2 082	2 281	2 453	2 870	2 463	1 808	2 864	2 988	2 771
Costa Rica	293	280	287	308	372	447	460	474	382	378
Cuba	124	120	108	118	126	150	105	126	130	114
Dominican Republic	292	251	273	272	395	406	516	425	385	417
El Salvador	126	69	78	97	78	81	83	85	97	90
Guatemala	306	288	345	376	449	557	574	591	474	454
Mexico	6 930	6 468	6 762	7 415	7 763	7 745	8 084	8 301	8 742	8 731
Trinidad and Tobago	272	238	361	427	398	297	300	413	25	
United States	27 082	16 081	20 346	21 358	23 306	23 188	24 150	21 489	20 978	21 391
North America	38 458	25 877	30 841	32 824	35 757	35 334	36 079	34 769	34 200	34 347
Argentina	1 743	1 260	1 611	1 795	1 755	1 841	1 725	1 656	1 333	1 601
Brazil	9 790	8 024	9 755	10 491	10 207	10 621	10 030	9 253	8 647	8 730
Chile	1 038	845	1 037	1 080	1 186	1 100	1 017	1 035	1 081	1 062
Colombia	1 023	1 066	1 186	1 351	1 291	1 297	1 394	1 420	1 326	1 414
Ecuador	560	442	546	489	559	691	707	761	682	710
Paraguay	49	42	44	27	22	23	23	24	19	21
Peru	870	860	1 032	885	1 152	1 304	1 393	1 291	1 360	1 462
Uruguay	84	55	59	72	74	76	79	81	75	66
Venezuela	1 378	1 436	968	1 220	1 108	1 030	726	504	305	158
South America	16 535	14 029	16 238	17 411	17 353	17 982	17 095	16 025	14 827	15 224

Table 12
(continued) **Production of Hot Rolled Long Products**

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Algeria (e)	230	220	240	200	200	160	250	660	560	700 e
Egypt	5 037	5 200	6 302	5 426	6 229	6 372	7 288	6 986	6 975	6 882
Libya (e)	970	960	550	40	180	350	350	240	210	210 e
Morocco (e)	916	963	1 035	1 090	855	1 035	970	1 305	1 315	950 e
South Africa (1)	2 713	2 240	2 350	2 360	2 200	2 300	2 200	2 300	2 200	2 260 e
Tunisia (e)	380	400	500	395	370	440	440	490	400	500 e
Africa	10 246	9 983	10 977	9 511	10 034	10 657	11 498	11 981	11 660	11 502
Iran	4 994	5 136	8 460	8 988	8 785	8 406	8 206	7 261	7 662	8 104
Qatar	1 146	1 468	1 550	1 580	1 650	1 696	1 709	1 784	1 894	1 745
Saudi Arabia (e)	2 580	2 470	2 630	2 750	2 700	2 900	3 000	3 500	3 000	2 500 e
United Arab Emirates	1 460	1 170	1 580	1 950	2 156	2 549	2 765	2 959	3 126	3 246
Middle East	10 179	10 243	14 220	15 268	15 291	15 552	15 680	15 503	15 682	15 595
China	276 115	335 361	368 365	417 284	458 400	517 973	523 879	498 647	483 785	490 000 e
India	27 764	28 268	31 708	31 452	35 179	38 255	43 581	44 330	46 160	55 700 e
Indonesia	2 703	2 663	2 804	2 819	2 716	2 718	2 885	3 196	3 031	3 592
Japan	34 671	23 438	28 405	29 309	28 924	30 301	30 428	28 842	28 243	29 023
South Korea	19 983	18 705	18 416	19 658	19 767	20 060	20 318	20 228	20 383	21 644
Malaysia	3 667	3 694	3 601	3 591	3 769	3 730	3 892	3 340	3 484	3 565
Philippines	1 598	1 875	2 133	2 420	2 653	3 020	3 273	4 013	4 346	4 300
Singapore	753	689	716	750	705	429	540	501	528	596
Taiwan, China	10 006	7 961	10 457	11 423	10 535	10 628	11 157	10 347	9 754	9 611
Thailand	4 250	3 604	3 663	3 653	3 763	4 093	4 326	4 024	5 281	3 951
Viet Nam	3 867	4 723	5 659	5 470	5 049	5 123	5 657	7 199	8 657	9 924
Asia	385 377	430 980	475 926	527 829	571 460	636 329	649 935	624 667	613 654	631 905
Australia	2 350	1 768	1 927	2 023	2 017	1 850	1 679	1 679	1 954	1 603
New Zealand (e)	116	116	116	116	143	144	132	200	10	10 e
Oceania	2 466	1 884	2 043	2 139	2 160	1 994	1 811	1 879	1 964	1 613
World	587 867	594 083	650 939	713 511	762 883	828 651	842 204	813 549	801 318	821 148

(1) - estimated 2010-17.

(2) - estimated 2012-17.

Table 13

Production of Hot Rolled Flat Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	5 068	3 895	4 842	4 967	5 026	5 422	5 270	5 623	5 680	5 888
Belgium	10 722	6 327	8 804	9 050	8 044	7 498	7 600	8 140	8 141	8 895
Bulgaria	1 038	303	284	301	275	194	273	213	182	264
Czech Republic	1 702	1 051	1 281	1 254	945	996	914	985	1 118	870
Denmark (1)	483	208	380	420	285	400	410	475	515	480 e
Germany	26 089	18 812	24 909	25 191	23 670	23 598	24 035	23 827	24 175	24 680
Finland (1)	3 050	2 109	2 845	2 845	2 820	2 685	2 890	2 995	3 080	3 100 e
France	1 785	2 314	2 199	2 221	9 222	10 269	10 848	10 568	10 186	11 001
Hungary	1 771	1 324	1 516	1 664	1 880	1 803	1 656	1 580	1 370	1 687
Italy	13 980	9 084	12 610	14 418	14 494	12 099	11 839	10 536	11 555	11 310
Netherlands	5 616	4 885	6 058	6 197	6 253	6 200	6 478	6 651	6 300	6 421
Poland	2 836	2 131	2 349	2 635	2 929	2 908	2 805	2 888	2 859	3 448
Romania (1)	2 869	1 674	2 325	2 535	1 755	1 565	1 720	1 885	1 840	1 800 e
Slovak Republic (1)	3 833	3 275	3 570	3 300	3 430	3 510	4 457	4 150	4 150	4 200
Slovenia (2)	366	263	333	340	350	335	335	335	340	350 e
Spain	5 754	3 952	5 108	4 805	3 801	4 341	4 605	4 728	4 438	4 800
Sweden (1)	4 526	2 539	3 220	3 230	2 670	2 735	2 980	3 065	3 100	3 160 e
United Kingdom	5 078	4 004	4 807	4 643	4 064	5 014	5 007	4 691	3 743	3 806
European Union (28)	96 565	68 151	87 440	90 016	91 913	91 571	94 122	93 335	92 772	96 159
Kazakhstan	2 784	2 953	2 857	3 119	2 299	2 295	2 439	2 541	2 806	3 159
Russia	33 200	29 700	24 975	25 591	26 066	26 140	26 898	27 590	27 274	27 763
Ukraine	6 530	4 750	9 193	10 762	9 486	8 929	7 868	6 314	6 845	6 716
C.I.S.	42 514	37 403	37 024	39 473	37 851	37 364	37 205	36 445	36 925	37 638
Canada	10 597	6 193	8 358	8 614	8 901	9 078	9 882	8 983	8 935	8 996
Mexico	6 564	5 938	7 368	7 602	7 617	7 627	8 594	8 533	9 154	9 023
United States	61 153	39 514	54 426	61 171	62 787	62 407	63 866	56 335	56 981	60 402
North America	78 314	51 645	70 152	77 387	79 306	79 112	82 342	73 851	75 070	78 422
Argentina	2 554	1 986	2 656	2 742	2 349	2 611	2 546	2 370	2 274	2 374
Brazil	14 332	11 852	15 163	14 265	14 897	15 013	14 229	13 388	12 273	13 687
Chile	479	434	436	433	408	189	0			
Colombia	429	400	436	429	435	354	401	440	447	482
Peru	59	11	14	28	53	54	40	44	57	55
Venezuela	2 252	1 764	1 086	1 438	957	918	630	756	225	246
South America	20 105	16 447	19 791	19 334	19 099	19 139	17 847	16 999	15 276	16 843
Egypt	1 729	1 152	1 637	1 162	1 036	1 066	849	689	1 026	1 177
South Africa (1)	3 710	3 310	3 470	3 490	3 200	3 500	3 380	3 400	3 250	3 340 e
Africa	5 439	4 462	5 107	4 652	4 236	4 566	4 229	4 089	4 276	4 517
Iran	3 815	4 744	6 935	7 824	8 476	8 250	8 276	7 872	7 811	7 815
Middle East	3 815	4 744	6 935	7 824	8 476	8 250	8 276	7 872	7 811	7 815
China	201 254	221 685	262 621	276 636	285 545	311 564	317 387	322 259	335 621	340 000 e
India	26 821	28 172	30 026	32 769	39 676	47 023	48 889	45 596	51 560	62 250 e
Indonesia	2 495	2 430	2 407	2 629	2 701	2 398	3 590	2 972	3 521	4 274
Japan	69 171	51 822	67 348	64 188	63 759	64 638	65 395	62 690	62 984	61 858
South Korea	36 122	32 352	40 615	46 815	46 551	44 482	48 587	47 528	46 748	47 914
Malaysia	1 880	1 409	1 366	1 520	1 185	1 250	867	887	297	207
Philippines	221	102								
Taiwan, China	12 033	10 424	13 036	13 154	13 742	13 591	14 315	14 671	16 884	18 052
Thailand	3 365	3 351	3 820	3 283	2 958	2 886	2 704	2 343	2 676	2 925
Asia	353 362	351 747	421 240	440 995	456 117	487 831	501 734	498 946	520 292	537 480
Australia	4 308	3 021	4 399	4 059	3 364	2 549	2 413	2 628	2 739	3 003
New Zealand (e)	630	590	690	680	695	680	650	535	540	615 e
Oceania	4 938	3 611	5 089	4 739	4 059	3 229	3 063	3 163	3 279	3 618
World	605 053	538 210	652 778	684 420	701 058	731 062	748 817	734 700	755 701	782 493

(1) - estimated 2010-17.

(2) - estimated 2012-17.

Table 14

Production of Railway Track Material

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	470	421	516	493	541	541	502	606	552	543
Bulgaria	19	...	...	...	...	...	...	...	...	...
Czech Republic	288	253	281	290	287	290	314	306	240	202
Germany	314	241	274	145	264	268	7	11	8	...
France	342	311	275	270	256	290	338	373	330	319
Italy	327	258	329	298	...	...	...	...	...	...
Luxembourg	89	46	42	47	44	44	47	48	50	51
Poland	138	171	258	278	158	171	309	357	349	379
Romania	...	...	...	...	...	...	...	...	...	...
Spain	304	295	235	175	178	217	276	290	180	228
United Kingdom	218	177	161	192	176	214	245	273	191	153
European Union (28)	2 509	2 174	2 372	2 188	1 904	2 035	2 037	2 263	1 901	1 875
Russia	...	...	924	924	693	882	858	789	1 237	1 289
Ukraine	...	...	224	299	349	315	109	41	73	80
C.I.S.	...	...	1 148	1 223	1 042	1 197	967	830	1 310	1 369
Canada	...	...	...	...	399	...	...	...	...	...
United States	1 076	902	902	1 034	1 010	1 087	1 178	1 171	851	993
North America	1 076	902	902	1 034	1 409	1 087	1 178	1 171	851	993
South Africa	28	...	...	...	...	...	...	...	...	...
Africa	28	...	...	...	...	...	...	...	...	...
China	4 682	6 005	5 645	4 429	5 161	6 053	5 653	4 838	4 576	...
India	1 151	1 132	1 040	902	993	891	850	874	990	...
Japan	529	557	630	553	527	617	837	813	761	647
South Korea	86	201	104	97	66	67	65	70	72	65
Taiwan, China	3	4	4	5	6	5	5	4	3	4
Asia	6 452	7 900	7 423	5 986	6 753	7 633	7 411	6 599	6 402	715
Australia	219	105	124	223	166	108	89	89	89	...
Oceania	219	105	124	223	166	108	89	89	89	...
World	10 283	11 080	11 969	10 653	11 273	12 060	11 681	10 952	10 552	4 953

Table 15

Production of Heavy Sections (≥80mm)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Belgium	118	97	70	57	...	...	...	...	...	...
Czech Republic	476	366	426	360	283	275	330	341	368	292
Germany	2 555	1 637	1 936	2 082	2 332	2 115	2 087	1 998	1 939	...
Italy	1 524	900	850	912	883	836	796	705	786	708
Luxembourg	1 785	1 447	1 807	1 853	2 007	1 882	1 984	1 909	1 932	1 895
Poland	1 542	1 086	1 243	1 371	1 431	1 243	1 250	1 267	1 360	1 384
Romania	142	84	122	...	...	...	...	...	...	...
Spain	2 585	2 180	2 790	2 950	2 605	2 477	2 272	2 556	2 626	2 753
United Kingdom	851	574	656	501	425	487	546	671	846	736
European Union (28)	11 578	8 372	9 901	10 085	9 967	9 315	9 265	9 448	9 858	7 768
Kazakhstan	...	0	7	...	...	...	...	...	...	6
Russia	...	...	1 502	1 736	1 774	1 693	1 739	1 601	1 589	1 522
Ukraine	...	...	842	987	944	983	731	605	596	521
C.I.S.	...	0	2 351	2 723	2 718	2 676	2 470	2 206	2 185	2 049
Canada	313	147	173	183	199	263	183	192	207	205
Costa Rica	1	2	...	...	...	...	...	...	...	...
Mexico	417	326	360	370	465	455	583	652	866	872
United States	6 501	3 763	4 701	5 184	5 031	5 577	5 571	5 299	5 717	5 434
North America	7 232	4 237	5 234	5 737	5 695	6 295	6 337	6 143	6 790	6 511
Argentina	...	...	19	25	53	50	49	113	...	...
Brazil	725	428	568	735	788	819	715	635	...	...
Colombia	5	6	9	4	1	3	2	1	...	...
Peru	3	1	1	6	4	3	...	3	...	...
Venezuela	95	76	59	66	71	69	45	...	...	...
South America	828	511	655	836	917	944	811	753	...	...
South Africa	509	...	...	...	...	...	...	...	...	...
Africa	509	...	...	...	...	...	...	...	...	...
Iran	1 704	1 846	2 230	2 223	2 087	1 948	1 788	1 286	974	966
Middle East	1 704	1 846	2 230	2 223	2 087	1 948	1 788	1 286	974	966
China	10 255	9 643	9 771	11 099	11 630	13 242	13 495	14 357	15 517	...
India	5 312	5 260	5 659	4 757	5 091	6 604	7 157	7 558	7 590	...
Japan	7 213	4 777	5 209	5 474	5 771	6 265	6 073	5 782	5 643	5 760
South Korea	4 320	3 842	3 830	4 255	4 380	4 248	4 218	4 140	4 045	4 165
Asia	27 099	23 521	24 468	25 585	26 872	30 359	30 943	31 837	32 796	9 925
World	48 950	38 487	44 839	47 189	48 256	51 538	51 614	51 673	52 602	27 218

Table 16

Production of Light Sections (<80mm)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Czech Republic	128	100	146	115	132	143	148	159	133	91
Germany	477	271	436	373	120	122	127	130	110	...
Romania	133	116	210	...	...	...	...	...	...	...
European Union (28)	739	487	792	488	252	265	275	289	243	91
Kazakhstan	...	1	...	...	4	20	...	...	...	5
Russia	...	...	1 460	1 642	1 601	1 550	1 484	1 172	1 207	1 239
Ukraine	...	...	839	902	1 022	778	560	500	435	470
C.I.S.	...	1	2 299	2 544	2 626	2 348	2 044	1 672	1 642	1 714
Canada	207	109	135	153	144	121	131	129	144	136
Mexico	459	372	400	367	333	393	412	498	456	511
United States	1 595	1 087	1 763	1 872	2 125	1 765	1 870	1 767	1 835	1 815
North America	2 261	1 568	2 298	2 392	2 602	2 279	2 414	2 395	2 435	2 462
Argentina	122	107	209	295	180	191	184	144	...	...
Brazil	444	292	422	439	421	402	412	340	...	...
Chile	80	61	71	74	81	...	70	71	...	...
Colombia	109	103	113	110	89	72	85	74	...	...
Ecuador	43	34	43	38	43	53	54	58	...	...
Peru	80	56	129	44	81	100	85	99	...	...
Uruguay	7	3	3	3	3	...	...	...	...	...
Venezuela	54	43	36	32	37	36	27	...	...	...
South America	939	698	1 026	1 034	935	854	917	786	...	...
South Africa	304	...	...	...	...	...	...	...	...	...
Africa	304	...	...	...	...	...	...	...	...	...
Iran	21	31	620	721	864	664	663	664	345	787
Middle East	21	31	620	721	864	664	663	664	345	787
China	29 455	36 965	39 661	41 407	42 710	56 935	56 200	56 604	51 593	...
Japan	1 310	893	1 016	1 078	1 064	1 112	1 128	1 060	1 008	1 058
South Korea	400	394	419	442	389	361	381	296	275	227
Asia	31 164	38 252	41 096	42 927	44 163	58 408	57 709	57 960	52 876	1 285
World	35 428	41 036	48 131	50 106	51 442	64 817	64 022	63 765	57 541	6 339

Table 17

Production of Concrete Reinforcing Bars

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	316	322	265	298	305	319	289	294	290	274
Bulgaria	341	285	...	383	490	589	584	545	721	709
Croatia	89	76	81	69	15	16	17	24	...	15
Czech Republic	379	352	177	189	173	130	134	144	178	92
Germany	2 274	1 923	1 721	1 771	1 934	1 945	1 868	1 996	1 889	...
France	917	792	729	852	942	850	884	882	846	842
Greece	1 855	1 508	...	...	...	...	...	...	...	...
Hungary	241	96	65	96	47	133	167	131	222	285
Italy	5 603	3 968	3 315	3 571	3 511	3 268	3 223	3 048	3 179	2 834
Latvia	611	668	...	...	...	...	...	...	...	...
Luxembourg	520	396	364	215	24	32	25	4	...	...
Poland	1 290	1 485	1 476	1 623	1 368	1 358	1 384	1 389	1 626	1 777
Portugal	772	1 019	...	...	...	...	...	...	...	...
Romania	792	482	553	...	...	...	...	...	...	...
Spain	4 497	3 796	2 729	2 355	2 220	1 928	1 988	1 841	1 677	1 425
United Kingdom	662	468	441	346	354	300	312	309	340	326
European Union (28)	21 161	17 637	11 917	11 770	11 383	10 869	10 874	10 608	10 969	8 579
Albania	200	225	236	295	320	350	...	...	...	...
Bosnia-Herzegovina	225	167	211	227	234	259	268	297	310	277
Other Europe	425	392	447	522	554	609	268	297	310	277
Byelorussia	...	...	960	1 037	1 060	1 015	1 018	958	874	663
Kazakhstan	68	69	41	87	286	332	558	750	566	691
Russia	...	...	5 227	6 313	7 251	7 915	9 058	8 452	7 672	7 247
Ukraine	...	...	3 085	2 938	3 270	3 639	3 193	2 778	2 990	2 842
C.I.S.	68	69	9 313	10 374	11 868	12 901	13 826	12 938	12 102	11 443
Canada	582	541	544	487	554	560	410	532	553	446
Costa Rica	292	278	287	308	372	447	460	474	382	378
Cuba	116	120	108	118	126	150	105	126	130	114
Dominican Republic	292	228	273	252	395	406	516	425	385	471
El Salvador	126	69	78	97	78	81	83	85	97	90
Guatemala	274	260	315	345	420	557	574	591	474	454
Mexico	3 370	3 161	3 161	3 422	3 608	3 735	3 770	4 061	4 149	3 930
United States	7 014	4 615	5 740	5 060	5 653	6 556	6 997	5 837	6 024	6 389
North America	12 066	9 272	10 506	10 090	11 207	12 492	12 915	12 132	12 194	12 272
Argentina	431	455	600	1 005	787	806	589	565	...	...
Brazil	3 746	3 337	3 763	4 376	4 461	4 493	4 252	3 667	3 197	2 871
Chile	556	420	541	563	618	585	530	540	...	...
Colombia	755	789	858	1 045	1 016	987	1 092	1 146	...	...
Ecuador	481	379	446	399	479	593	607	653	682	710
Paraguay	35	31	32	19	16	23	23	24	19	21
Peru	209	199	256	555	475	603	786	597	...	...
Uruguay	45	36	38	47	48	76	79	81	75	66
Venezuela	677	767	250	619	628	609	408	400	...	...
South America	6 935	6 413	6 783	8 629	8 528	8 775	8 367	7 673	3 973	3 669

Table 17
(continued)

Production of Concrete Reinforcing Bars

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Egypt	4 186	4 285	5 437	4 556	5 116	5 153	6 258	6 114	6 239	5 962
Morocco	796	843	...	...	...	...	...	...	...	...
South Africa	726	...	...	...	...	...	...	...	...	...
Tunisia	...	98	...	...	...	...	...	...	...	...
Africa	5 708	5 226	5 437	4 556	5 116	5 153	6 258	6 114	6 239	5 962
Iran	3 269	3 259	5 610	6 044	5 834	5 794	...	5 311	6 343	6 351
Qatar	1 146	1 468	...	...	1 650	1 696	1 709	1 784	1 894	1 745
United Arab Emirates	...	...	...	...	1 586	1 662	1 833	1 988	2 068	2 179
Middle East	4 414	4 727	5 610	6 044	9 070	9 153	3 542	9 083	10 305	10 275
China	100 927	130 741	141 378	166 404	192 414	212 271	215 278	204 306	199 553	...
Japan	9 813	7 855	...	...	...	...	...	...	...	...
South Korea	10 215	9 678	8 771	8 810	9 077	9 151	9 367	9 800	10 341	11 385
Asia	120 955	148 273	150 149	175 214	201 491	221 422	224 644	214 106	209 893	11 385
World	171 731	192 008	200 163	227 199	259 217	281 373	280 695	272 950	265 985	63 863

Table 18

Production of Hot Rolled Bars (other than Concrete Reinforcing Bars)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria (1)	118	72	110	113	119	124	129	144	145	220
Belgium (1)	75	25	14	27	...	...	...	...	...	...
Bulgaria	147	88	...	111	77	74	110	57	...	49
Czech Republic	779	587	793	793	762	770	772	706	744	719
Denmark (1)	109	105	...	...	...	...	...	...	...	...
Germany	1 842	998	1 736	2 077	2 152	2 328	2 440	2 368	2 433	...
Finland (1)	250	171	...	...	...	...	...	...	...	...
France (1)	1 295	812	1 117	1 320	1 165	1 243	1 330	1 197	1 102	1 139
Hungary (1)	133	...	...	...	...	...	...	...	...	...
Italy (1)	4 846	2 535	3 726	4 215	3 477	3 501	3 548	3 428	3 403	3 807
Luxembourg (1)	128	169	144	105	61	57	68	73	75	71
Poland (1)	769	344	455	598	600	631	704	772	716	718
Romania	20	52	115	...	...	...	...	...	...	...
Slovenia (1)	194	92	159	...	...	...	...	...	...	...
Spain (1)	1 839	1 238	1 614	1 738	1 548	1 559	1 653	1 699	1 644	1 548
Sweden (1)	528	296	...	...	...	...	...	...	...	...
United Kingdom (1)	1 458	801	1 104	1 203	1 044	1 000	1 010	960	637	604
European Union (28)	14 531	8 384	11 086	12 299	11 006	11 285	11 764	11 404	10 900	8 876
Byelorussia	...	...	...	...	154	131	153	142	232	231
Russia	...	...	3 631	3 550	3 354	2 970	2 595	2 481	3 012	2 917
Ukraine	...	...	581	865	714	459	329	291	285	274
C.I.S.	...	...	4 212	4 415	4 222	3 560	3 077	2 914	3 529	3 422
Canada (2)	1 234	666	829	970	914	875	703	1 102	1 074	1 030
Guatemala	32	28	30	30	30	...	...	...	...	...
Mexico	520	425	540	691	847	788	915	746	714	873
United States (2)	6 705	3 099	4 079	4 511	5 193	4 385	4 830	4 177	3 733	3 674
North America	8 492	4 218	5 477	6 202	6 984	6 048	6 449	6 025	5 521	5 578
Argentina	456	278	492	330	172	254	372	292	...	...
Brazil	1 811	1 168	1 812	1 814	1 585	1 694	1 511	1 250	1 124	1 218
Chile	275	221	264	275	301	403	258	263	...	...
Colombia	31	25	28	27	22	51	42	43	...	...
Peru	475	493	516	175	470	462	435	458	...	...
Uruguay	24	17	18	22	22	...	...	...	...	...
Venezuela	66	48	343	53	46	56	55	...	...	...
South America	3 138	2 248	3 472	2 697	2 618	2 921	2 674	2 305	1 124	1 218
South Africa (2)	405	...	...	...	...	...	...	...	...	...
Africa	405	...	...	...	...	...	...	...	...	...
China	48 089	53 101	65 705	69 826	70 378	80 501	79 419	71 310	70 958	...
Indonesia (3)	1 398	1 397	1 412	1 414	1 474	1 605	1 603	1 738	1 673	1 869
Japan (3)	18 508	12 541	15 232	16 052	15 794	16 101	16 137	15 266	14 891	15 570
South Korea	2 317	1 961	2 558	3 289	3 147	3 246	2 976	2 679	2 399	2 500
Malaysia (3)	2 324	2 335	2 110	2 324	2 444	2 670	2 782	2 868	2 796	2 548
Philippines (3)	1 520	1 703	1 931	2 100	2 392	2 744	2 923	3 553	3 956	3 925
Singapore (3)	753	689	716	750	705	429	540	501	528	596
Taiwan, China (3)	5 642	4 592	5 608	6 368	6 262	6 270	6 565	6 168	5 408	5 251
Thailand (3)	3 579	2 846	2 819	2 731	2 950	3 498	3 896	3 589	4 753	3 201
Viet Nam (3)	2 898	3 495	4 666	4 428	3 975	4 100	4 582	5 930	7 086	7 277
Asia	87 027	84 659	102 757	109 283	109 520	121 164	121 422	113 603	114 448	42 737
Australia (3)	1 053	792	828	835	876	790	577	577	644	672
Oceania	1 053	792	828	835	876	790	577	577	644	672
World	114 647	100 303	127 832	135 730	135 225	145 769	145 964	136 828	136 166	62 503

(1) - including light sections and concrete reinforcing bars.

(2) - deliveries.

Table 19

Production of Wire Rod

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	501	348	514	509	441	503	490	551	565	576
Belgium	878	723	761	879	872	796	792	798	594	...
Bulgaria	66	17	...	16	14	...	...	9	10	14
Czech Republic	1 113	994	1 173	1 232	1 326	1 456	1 365	1 508	1 599	1 520
Germany	6 254	5 160	5 814	6 295	6 023	6 005	5 885	6 222	6 003	...
Finland	373	256	...	...	...	...	...	...	...	...
France	1 980	1 473	1 768	1 839	1 944	2 064	2 063	1 974	1 855	1 802
Greece	378	347	...	...	...	...	...	...	...	...
Hungary	75	31	13	5	1	...	...	3	1	...
Italy	4 364	3 518	3 941	3 891	3 687	3 588	3 577	3 817	4 117	4 468
Latvia	24	24	...	...	...	...	...	...	...	...
Luxembourg	388	360	437	...	...	...	...	...	...	...
Netherlands	198	112	216	204	165	170	178	163	165	169
Poland	1 041	996	1 112	1 172	1 132	1 054	1 062	1 158	1 202	1 203
Portugal	502	464	...	...	...	...	...	...	...	...
Romania	134	136	294	...	...	...	...	...	...	...
Spain	3 153	2 787	2 784	2 952	2 814	2 433	2 735	2 667	2 614	2 835
Sweden	90	50	...	...	...	...	...	...	...	...
United Kingdom	1 249	1 110	1 225	1 077	979	1 016	967	1 049	926	704
European Union (28)	22 760	18 907	20 051	20 071	19 399	19 084	19 113	19 920	19 652	13 290
Bosnia-Herzegovina	326	267	264	321	331	333	337	353	380	413
Other Europe	326	267	264	321	331	333	337	353	380	413
Byelorussia	...	...	511	531	559	543	563	666	688	858
Russia	...	...	2 582	2 677	2 761	2 715	2 654	2 611	2 850	3 071
Ukraine	...	...	2 254	2 178	1 906	1 779	1 527	1 425	1 539	1 342
C.I.S.	...	...	5 348	5 386	5 227	5 037	4 744	4 702	5 077	5 271
Canada	696	620	600	660	660	644	380	909	1 011	954
Cuba	9	...	...	...	...	...	...	...	...	...
Mexico	2 163	2 184	2 302	2 565	2 509	2 374	2 403	2 343	2 556	2 546
Trinidad and Tobago	272	238	361	427	398	297	300	413	...	...
United States	2 097	1 493	1 706	1 961	2 401	2 186	2 153	1 906	1 594	1 922
North America	5 236	4 536	4 969	5 613	5 967	5 501	5 236	5 572	5 162	5 421
Argentina	430	407	396	536	580	590	533	517	...	...
Brazil	3 064	2 799	3 190	3 126	2 953	3 213	3 140	2 974	3 104	3 221
Chile	127	143	162	168	185	111	158	161	...	...
Colombia	123	142	179	164	163	185	173	155	...	...
Ecuador	18	14	41	37	18	22	23	24	...	...
Paraguay	14	12	12	8	6	...	...	...	...	...
Peru	103	111	130	106	123	136	87	134	...	...
Uruguay	8	...	...	...	...	...	...	...	...	...
Venezuela	487	502	280	451	325	260	190	...	...	...
South America	4 373	4 131	4 390	4 597	4 353	4 516	4 304	3 966	3 104	3 221
Egypt	851	915	865	870	1 113	1 219	1 030	873	736	920
Morocco	121	120	...	...	...	...	...	...	...	...
South Africa	741	...	...	...	...	...	...	...	...	...
Africa	1 713	1 035	865	870	1 113	1 219	1 030	873	736	920

Table 19
(continued)

Production of Wire Rod

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
China	82 708	98 907	106 206	124 118	136 109	148 972	153 834	147 232	141 588	...
Indonesia	839	800	922	932	809	672	628	661	595	804
Japan	6 832	4 551	6 254	6 086	5 769	6 205	6 253	5 921	5 941	5 988
South Korea	2 645	2 629	2 734	2 765	2 708	2 986	3 311	3 243	3 252	3 301
Malaysia	1 109	1 164	1 327	1 202	1 210	1 005	1 032	449	649	979
Taiwan, China	2 630	2 176	3 213	3 393	2 670	2 838	2 939	2 697	2 806	2 913
Thailand	671	758	844	921	813	595	430	435	528	750
Viet Nam	887	1 039	950	1 007	1 044	1 001	1 035	1 147	1 302	2 096
Asia	98 321	112 025	122 451	140 424	151 131	164 275	169 462	161 785	156 659	16 832
Australia	866	660	709	683	677	690	720	720	927	931
Oceania	866	660	709	683	677	690	720	720	927	931
World	133 596	141 560	159 046	177 965	188 198	200 655	204 946	197 890	191 696	46 299

Table 20

Production of Hot Rolled Plate (≥3mm)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	757	555	627	746	669	727	811	852	900	983
Belgium	741	402	532	585	568	510	562	543	575	...
Bulgaria	...	51	...	...	274	204	264	210	...	274
Czech Republic	702	503	687	730	563	530	431	432	376	439
Denmark	483	208	...	...	...	...	...	...	...	...
Germany	3 871	2 898	3 312	3 601	3 207	2 803	3 088	3 141	3 024	...
Finland	712	360	...	...	...	...	...	...	...	...
France	921	556	788	836	704	666	714	692	711	772
Hungary	140	74	...	...	...	...	...	...	...	...
Italy	3 067	2 339	2 637	2 750	2 606	1 999	2 180	1 732	1 840	1 788
Netherlands	18	17	19	16	17	16	19	19	14	16
Poland	1 118	585	513	541	689	625	451	382	361	519
Slovenia	129	88	158	...	...	...	...	...	...	...
Spain	665	355	313	360	378	498	504	546	516	531
Sweden	753	384	...	...	...	...	...	...	...	...
United Kingdom	1 159	746	883	940	889	845	768	688	434	490
European Union (28)	15 237	10 121	10 469	11 105	10 565	9 422	9 791	9 236	8 750	5 813
Kazakhstan	39	13	34	69	39	21	90	85	118	96
Russia	...	...	4 575	4 303	3 570	4 127	5 483	6 021	5 340	5 119
Ukraine	...	...	2 778	3 683	3 096	2 828	2 485	1 527	1 906	1 922
C.I.S.	39	13	7 387	8 054	6 706	6 976	8 058	7 633	7 364	7 137
Canada	707	282	419	461	451	408	397	387	319	334
Mexico	569	317	477	597	610	628	742	535	745	719
United States	6 732	4 103	5 658	6 374	6 172	6 328	6 550	5 583	5 449	5 546
North America	8 008	4 702	6 555	7 431	7 233	7 364	7 689	6 505	6 514	6 599
Argentina	413	223	516	407	371	...	...	...	...	...
Brazil	1 968	1 237	1 654	1 599	1 548	1 423	1 324	913	699	896
Venezuela	496	248	190	238	159	...	...	...	...	...
South America	2 876	1 708	2 361	2 244	2 079	1 423	1 324	913	699	896
South Africa	1 138	...	...	...	...	...	...	...	...	...
Africa	1 138	...	...	...	...	...	...	...	...	...
Iran	...	...	65	322	585	615	774	798	669	725
Middle East	...	...	65	322	585	615	774	798	669	725
China	136 750	140 068	173 980	180 296	176 034	188 353	196 671	196 676	...	...
India	3 957	3 969	4 126	4 283	4 472	3 889	4 492	4 293	4 320	...
Indonesia	835	787	822	811	806	539	1 539	1 326	1 500	1 887
Japan	16 290	12 838	14 657	14 488	13 399	12 863	13 145	11 872	12 315	11 036
South Korea	8 196	7 566	9 524	11 342	10 226	8 939	10 122	10 040	9 502	8 986
Malaysia	201	187	166	197	152	143	144	180	220	207
Taiwan, China	1 301	1 000	1 272	1 312	1 195	1 127	1 139	1 051	1 086	1 026
Thailand	...	308	392	370	389	...	217	156	175	206
Asia	167 529	166 723	204 938	213 100	206 672	215 853	227 470	225 594	29 118	23 349
World	194 828	183 267	231 774	242 257	233 839	241 653	255 106	250 679	53 114	44 519

Table 21

Production of Hot Rolled Coil, Sheet, and Strip (<3mm)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	4 311	3 340	4 216	4 221	4 357	4 696	4 459	4 771	4 780	4 904
Belgium	9 980	5 925	8 271	8 465	7 476	6 988	7 038	7 597	7 566	...
Bulgaria	...	190	...	...	...	...	...	...	...	...
Czech Republic	1 000	548	594	524	382	466	483	554	742	430
Germany	22 218	15 914	21 597	21 589	20 463	20 795	20 947	...	...	...
Finland	2 337	1 749	...	...	...	...	...	...	...	...
France	9 291	7 303	8 904	8 598	8 518	9 603	10 133	9 876	9 475	10 229
Hungary	1 631	1 250	1 167	1 263	1 480	1 512	1 373	1 284	1 135	1 408
Italy	10 913	6 745	9 973	11 669	11 888	10 100	9 659	8 804	9 715	9 522
Netherlands	5 598	4 868	6 039	6 181	6 236	6 183	6 460	6 632	6 287	6 404
Poland	1 718	1 547	1 836	2 094	2 240	2 283	2 354	2 506	2 497	2 929
Romania	454	593	710	...	...	...	...	...	...	...
Slovak Republic	3 833	3 275	...	...	...	...	...	...	...	...
Slovenia	237	175	175	...	...	...	...	...	...	...
Spain	5 089	3 598	4 795	4 445	3 423	3 842	4 102	4 183	3 922	4 269
Sweden	3 773	2 155	...	...	...	...	...	...	...	...
United Kingdom	3 919	3 258	3 924	3 703	3 174	4 169	4 239	4 003	3 310	3 316
European Union (28)	86 302	62 432	72 201	72 752	69 637	70 637	71 247	50 208	49 429	43 413
Kazakhstan	1 317	1 283	1 162	1 410	1 039	1 146	1 142	1 187	1 324	1 551
Russia	...	...	12 695	13 548	14 364	13 317	12 598	13 074	13 785	13 714
Ukraine	...	...	5 054	5 387	4 741	4 464	3 926	3 470	3 386	3 154
C.I.S.	1 317	1 283	18 912	20 345	20 145	18 927	17 667	17 731	18 495	18 419
Canada	6 319	3 533	5 228	5 364	5 234	5 325	5 896	5 234	5 164	5 648
Mexico	5 107	4 942	5 823	5 758	5 725	5 957	6 523	6 696	7 044	6 801
United States	17 845	12 179	16 602	19 715	19 495	19 598	20 668	18 702	19 236	20 378
North America	29 272	20 654	27 653	30 836	30 454	30 880	33 087	30 632	31 445	32 827
Argentina	2 554	1 986	2 656	2 742	2 349	2 611	2 546	2 370	2 274	2 374
Brazil	3 925	3 474	4 592	4 086	4 377	4 384	4 541	4 746	4 040	4 684
Chile	...	...	227	438	412	189	0	...	...	...
Colombia	...	...	428	428	434	353	410	440	454	489
Peru	...	...	17	31	61	62	60	52	62	55
Venezuela	...	...	1 081	1 584	957	926	635	756	225	246
South America	6 479	5 460	9 001	9 309	8 590	8 526	8 191	8 365	7 056	7 848
Egypt	1 729	1 152	1 637	1 162	1 036	1 066	849	689	1 026	...
South Africa	990	...	...	...	...	...	...	...	...	...
Africa	2 719	1 152	1 637	1 162	1 036	1 066	849	689	1 026	...
Iran	3 815	4 744	6 870	7 502	7 891	7 635	7 503	7 075	7 142	7 091
Middle East	3 815	4 744	6 870	7 502	7 891	7 635	7 503	7 075	7 142	7 091
China	64 505	81 617	88 641	96 340	109 511	123 211	120 716	125 583	...	...
India	11 899	12 140	12 520	14 118	17 888	21 586	21 819	20 317	23 670	...
Indonesia	329	331	317	182	257	317	523	521	703	1 089
Japan	52 881	38 984	52 691	49 700	50 360	51 774	52 250	50 818	50 669	50 821
South Korea	27 927	24 786	31 092	35 473	36 325	35 543	38 465	37 489	37 245	38 927
Malaysia	468	276	1 200	1 323	1 033	1 107	723	707	77	...
Philippines	215	102	...	...	...	...	...	...	...	...
Taiwan, China	3 148	2 701	3 737	4 056	4 693	4 850	4 885	4 653	5 834	5 723
Thailand	2 799	3 042	3 429	2 913	2 569	2 651	2 620	2 308	2 501	2 719
Asia	164 170	163 981	193 625	204 104	222 635	241 039	242 001	242 396	120 699	99 278
Australia	3 850	2 793	4 052	3 694	2 708	2 289	2 160	2 415	2 501	2 709
Oceania	3 850	2 793	4 052	3 694	2 708	2 289	2 160	2 415	2 501	2 709
World	297 925	262 501	333 951	349 705	363 096	381 000	382 705	359 510	237 793	211 584

Table 22

Production of Electrical Sheet and Strip

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	316	223	335	319	299	338	339	394	334	416
Belgium	15	9	0	...	...	...	...	...	...	...
Czech Republic	23	36	41	46	46	50	52	...	52	51
Germany	635	355	515	572	521	475	456	434	...	...
France	274	206	216	205	166	158	184	191	186	185
Poland	63	63	82	125	85	74	89	98	...	...
Romania	82	0	0	...	...	...	...	...	...	...
Slovak Republic	214	115	...	...	...	...	...	...	...	...
Slovenia	87	71	86	86	...	...	...	...	...	...
Sweden	150	75	...	...	...	...	...	...	...	...
United Kingdom	90	54	71	75	65	59	62	66	55	61
European Union (28)	1 948	1 208	1 347	1 429	1 181	1 154	1 182	1 183	627	714
United States	481	326	305	339	59	...	...	...	...	...
North America	481	326	305	339	59	...	...	...	...	...
Brazil	213	144	199	214	188	180	167	164	150	144
South America	213	144	199	214	188	180	167	164	150	144
China	4 573	4 709	5 717	6 284	6 194	7 761	8 852	...	...	...
India	161	168	181	161	158	136	131	137	200	...
Japan	1 902	1 410	2 002	1 949	1 594	1 609	1 552	1 377	1 347	1 408
South Korea	940	849	1 011	991	987	919	902	892	770	803
Taiwan, China	620	431	578	624	626	712	773	581	617	707
Asia	8 196	7 568	9 489	10 009	9 558	11 137	12 211	2 987	2 934	2 918
World	10 837	9 245	11 339	11 991	10 986	12 472	13 560	4 333	3 710	3 775

Table 23

Production of Tinmill Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Belgium	101	116	127	129	151	156	142	137	146	...
Germany	1 344	1 134	1 426	1 255	1 364	1 343	1 386	1 338	...	...
France	822	607	773	604	499	544	566	557	542	524
Greece	37	14	...	...	...	...	...	...	...	...
Italy	...	188	...	...	...	...	...	...	...	...
Netherlands	771	577	792	724	755	813	838	803	777	809
Slovak Republic	349	331	...	...	...	...	...	...	...	...
Spain	479	447	574	499	574	579	541	633	634	706
United Kingdom	462	396	468	411	410	401	430	407	390	396
European Union (28)	4 365	3 810	4 160	3 622	3 753	3 836	3 902	3 876	2 489	2 435
Kazakhstan	172	206	210	201	144	93	81	93	80	78
Russia	...	...	209	134	144	149	147	149	129	94
Ukraine	...	...	1	...	...	...	...	...	...	...
C.I.S.	172	206	420	335	288	242	228	242	209	172
Canada	252	234	244	220	239	208	209	216	239	202
Mexico	129	96	105	117	92	112	124	134	153	142
United States	2 430	2 164	2 502	2 111	2 012	1 868	1 754	1 522	1 359	1 311
North America	2 811	2 494	2 851	2 448	2 343	2 188	2 087	1 872	1 752	1 655
Argentina	149	156	144	133	129	131	113	122	...	...
Brazil	724	665	774	856	809	635	553	571	530	525
Chile	41	16	36	36	28	...	...	...	...	...
Colombia	63	59	77	59	59	59	50	82	...	...
Venezuela	125	93	85	71	63	42	18	...	...	...
South America	1 102	989	1 116	1 155	1 089	867	735	774	530	525
South Africa	285	...	...	...	...	...	...	...	...	...
Africa	285	...	...	...	...	...	...	...	...	...
India	211	207	236	217	258	326	390	335	340	...
Indonesia	113	85	111	100	115	149	135	164	134	150
Japan	1 956	1 646	1 903	1 797	1 684	1 656	1 645	1 630	1 698	1 622
South Korea	767	736	790	786	809	829	800	793	845	756
Malaysia	156	140	134	140	119	122	115	132	175	160
Taiwan, China	208	185	212	201	210	222	189	197	213	193
Thailand	236	210	181	190	174	396	225	171	150	135
Asia	3 647	3 210	3 566	3 431	3 369	3 699	3 500	3 422	3 555	3 015
World	12 381	10 708	12 113	10 991	10 841	10 832	10 451	10 187	8 535	7 802

Table 24

Production of Other Metal Coated Sheet and Strip

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	1 908	1 603	2 037	2 167	2 115	2 371	2 211	2 436	2 517	2 516
Belgium	3 704	2 785	3 437	3 092	3 213	3 209	3 454	3 410	3 326	...
Estonia	154	32	...	...	...	...	...	...	...	...
Germany	7 618	5 871	...	...	...	...	...	...	...	...
Finland	675	828	...	...	...	...	...	...	...	...
France	4 283	3 077	3 789	3 837	3 527	3 796	4 297	4 310	4 189	4 168
Greece	137	102	...	...	...	...	...	...	...	...
Hungary	103	106	101	104	106	103	104	100	100	102
Italy	3 428	2 742	3 529	4 268	4 129	4 129	4 452	4 664	5 011	5 157
Luxembourg	633	465	641	811	533	632	668	632	642	1 214
Netherlands	781	846	1 722	1 183	1 184	1 287	1 332	1 358	1 370	1 337
Poland	437	396	455	475	469	470	527	517	560	764
Portugal	227	119	...	...	...	...	...	...	...	...
Romania	...	211	258	...	...	...	...	...	...	...
Slovak Republic	586	545	...	...	...	...	...	...	...	...
Spain	2 260	1 415	1 548	1 864	1 640	1 554	1 635	1 681	1 806	1 799
Sweden	533	407	...	...	...	...	...	...	...	...
United Kingdom	1 059	825	943	962	860	1 052	1 082	1 076	799	825
European Union (28)	28 524	22 375	18 460	18 763	17 776	18 602	19 762	20 183	20 320	17 883
Canada (1)(2)	2 340	1 519	1 785	1 888	2 318	2 504	2 549	2 467	2 560	2 190
Mexico (1)	1 389	1 148	1 677	1 917	1 866	1 952	2 339	2 436	2 733	2 750
United States (1)(2)	14 345	9 023	13 150	15 217	16 703	16 164	16 510	16 033	16 616	16 473
United States (2)(3)	1 224	654	965	1 478	1 433	1 437	1 255	1 348	1 386	1 652
North America	19 299	12 345	17 577	20 501	22 321	22 058	22 653	22 285	23 295	23 066
South Africa (2)	755	...	...	...	...	...	...	...	...	...
Africa	755	...	...	...	...	...	...	...	...	...
China	19 445	20 725	28 930	33 079	37 622	46 212	50 750	51 000	...	...
India (1)	4 596	4 618	4 904	6 244	6 292	6 704	6 983	6 898	7 390	...
Indonesia	467	418	430	467	492	408	462	498	632	767
Japan (1)	14 773	20 178	...	...	...	...	...	...	...	...
Japan (3)	1 243	850	1 222	1 130	1 187	1 246	1 315	1 240	1 304	1 303
South Korea (1)	8 237	6 621	8 753	8 594	9 238	9 503	10 412	10 513	11 039	11 461
Malaysia	491	487	556	583	541	646	678	703	781	768
Philippines	204	191	240	267	328	260	650	670	370	370
Taiwan, China	2 741	2 141	2 544	2 563	2 368	2 539	2 856	2 640	2 798	2 826
Thailand	680	560	650	486	534	552	754	1 057	1 105	1 366
Viet Nam	...	...	...	...	1 244	1 736	2 098	2 505	2 506	3 501
Asia	52 877	56 787	48 228	53 412	59 846	69 805	76 959	77 723	27 925	22 361
Australia	1 622	1 308	1 612	1 607	1 195	1 195	1 343	1 367	1 473	1 536
Oceania	1 622	1 308	1 612	1 607	1 195	1 195	1 343	1 367	1 473	1 536
World	103 076	92 815	85 876	94 284	101 138	111 660	120 717	121 558	73 012	64 846

(1) - galvanised products only.

(2) - deliveries.

(3) - excluding galvanised products.

Table 25

Production of Non-metallic Coated Sheet and Strip

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	413	260	331	320	310	355	290	279	269	273
Belgium	437	269	353	394	429	465	449	439	486	...
Germany	908	586	680	876	751	761	680	623	605	...
Finland	233	176	...	...	...	...	...	...	...	...
France	1 071	938	915	858	829	835	917	940	1 033	1 009
Italy	514	442	495	451	515	593	709	784	880	852
Netherlands	241	238	255	232	249	253	245	231	205	221
Poland	171	155	243	240	259	229	273	270	297	291
Slovak Republic	91	71	...	...	...	...	...	...	...	...
Spain	233	93	180	168	155	169	193	216	217	225
Sweden	208	185	...	...	...	...	...	...	...	...
United Kingdom	413	175	...	67	324	316	295	303	342	309
European Union (28)	4 933	3 588	3 453	3 605	3 820	3 976	4 050	4 084	4 334	3 180
Kazakhstan	67	57	55	65	46	69	78	96	98	108
Russia	...	...	816	1 046	1 293	1 510	1 668	1 476	1 565	1 636
Ukraine	...	...	30	30	40	58	16	18	22	24
C.I.S.	67	57	902	1 141	1 379	1 637	1 762	1 590	1 685	1 768
China	4 601	5 050	5 544	6 218	7 761	8 071	8 251	...	...	...
Indonesia	25	22	21	18	24	20	17	37	35	45
South Korea	1 895	1 784	2 201	2 121	2 113	2 084	1 994	1 896	2 050	2 054
Malaysia	250	212	229	227	225	233	212	230	216	209
Philippines	110	103	114	125	136	120	140	150	150	150
Taiwan, China	827	627	695	681	681	970	670	681	729	666
Thailand	401	307	413	270	309	91	89	106	...	...
Viet Nam	904	979	1 196	1 478	398	469	676	774	852	1 094
Asia	9 012	9 084	10 413	11 139	11 647	12 058	12 049	3 873	4 032	4 218
Australia	751	610	89	711	556	569	622	656	719	724
Oceania	751	610	89	711	556	569	622	656	719	724
World	14 762	13 338	14 856	16 596	17 403	18 239	18 482	10 203	10 770	9 890

Table 26

Total Production of Tubular Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	563	499	555	739	698	698	698	570	542	742
Belgium	144	96	...	...	...	...	...	...	...	...
Bulgaria	84	36	36	36	...	...	...	...	...	...
Czech Republic	708	468	576	600	595	577	637	570	521	470
Germany	3 864	2 904	3 192	3 238	3 086	2 604	2 709	2 402	2 537	...
Finland	312	168	228	180	...	...	...	...	...	...
France	1 548	912	960	1 200	...	...	...	...	...	...
Greece	744	576	636	648	...	...	...	...	...	...
Hungary	120	60	48	48	...	...	...	...	...	...
Italy	4 056	2 616	3 036	3 276	...	...	...	...	...	...
Netherlands	432	324	300	300	...	...	...	...	...	...
Poland	816	780	828	876	960	860	848	784	845	807
Portugal	168	96	96	108	...	...	...	...	...	...
Romania	712	479	679	588	...	...	...	...	...	...
Slovak Republic	276	192	228	240	...	...	...	...	...	...
Slovenia	108	72	36	24	...	...	...	...	...	...
Spain	1 248	744	1 140	1 092	...	...	...	...	...	...
Sweden	228	120	156	168	...	...	...	...	...	...
United Kingdom	732	528	624	732	...	...	...	...	...	...
European Union (28)	16 862	11 670	13 354	14 093	5 339	4 739	4 893	4 326	4 445	2 019
Byelorussia	...	...	173	194	214	216	201	...	...	181
Kazakhstan	111	155	238	273	235	305	311	...	...	380
Russia	7 736	6 575	9 139	10 045	9 934	10 367	11 593	...	...	11 603
Ukraine	2 368	1 565	1 834	2 302	2 179	1 719	1 373	...	...	1 062
C.I.S.	10 215	8 295	11 384	12 814	12 562	12 607	13 478	...	...	13 226
Canada	2 638	1 524	2 430	2 540	2 721	2 439	1 538	1 044	785	1 029
Mexico	1 314	1 170	1 375	1 460	1 840	1 924	2 070	1 803	1 700	2 000
United States	4 522	2 129	3 520	4 369	4 338	4 347	4 718	2 576	2 383	3 867
North America	8 475	4 823	7 325	8 369	8 899	8 710	8 326	5 423	4 868	6 896
Venezuela	...	4	...	...	...	...	...	...	...	...
South America	...	4	...	...	...	...	...	...	...	...
Iran	26	25	30	30	31	29	5	16	10	10
Middle East	26	25	30	30	31	29	5	16	10	10
China	50 894	53 214	56 729	63 643	71 184	83 571	88 980	...	...	...
India	1 402	1 556	1 890	1 804	2 060	1 982	2 077	2 143	2 090	...
Indonesia	637	641	670	642	687	668	1 105	1 277	1 288	1 573
Japan	9 722	6 172	7 690	7 804	7 877	8 050	8 283	6 821	6 933	7 092
South Korea	4 812	3 907	4 855	5 073	5 661	5 655	6 409	4 928	5 206	5 640
Malaysia	769	617	660	569	688	707	801	842	796	854
Philippines	138	58	50	90	99	300	330	330	330	330
Taiwan, China	1 056	886	1 148	1 214	1 182	1 206	1 280	1 146	1 129	1 157
Viet Nam	550	568	674	731	775	969	1 221	1 548	2 061	2 307
Asia	69 980	67 620	74 367	81 571	90 213	103 108	110 486	19 035	19 831	18 954
Australia	345	243	251	241	214	190	155	155	155	...
Oceania	345	243	251	241	214	190	155	155	155	...
World	105 903	92 679	106 711	117 118	117 258	129 383	137 343	28 955	29 309	41 104

Table 27

Production of Seamless Tubes

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	377	335	372	495	468	468	468	382	363	497
Czech Republic	420	252	348	384	367	356	396	310	276	264
Germany	1 703	949	1 276	1 353	1 348	1 306	1 264	1 011	1 045	1 200
France	186	114	153	207	...	...	...	...	...	...
Italy	876	480	588	672	...	...	...	...	...	...
Netherlands	24	...	...	...	...	...	...	...	...	...
Poland	192	144	156	168	170	150	137	122	116	129
Romania	562	318	431	440	380	340	300	300	290	300
Slovak Republic	168	120	156	168	170	150	150	150	150	150
Spain	312	156	252	276	...	...	...	...	...	...
Sweden	132	72	108	110	100	100	100	100	100	100
European Union (28)	4 952	2 940	3 839	4 273	3 003	2 870	2 815	2 375	2 340	2 640
Byelorussia	...	...	96	117	125	129	121	112	84	139
Kazakhstan	33	75	127	149	100	156	175	183	193	259
Russia	2 600	2 600	2 658	2 918	3 152	3 101	3 369	3 410	3 238	3 592
Ukraine	1 110	810	782	876	887	712	625	416	384	536
C.I.S.	3 743	3 485	3 663	4 061	4 264	4 098	4 290	4 121	3 899	4 526
Canada	254	152	243	254	272	244	154	104	78	103
Mexico	680	589	679	776	889	985	1 064	739	801	939
United States	2 121	955	1 741	2 216	2 162	2 276	2 419	1 076	1 231	2 029
North America	3 054	1 696	2 664	3 246	3 323	3 505	3 636	1 919	2 110	3 071
Argentina	913	502	779	849	849	692	750	546	376	621
Brazil	571	346	484	483	591	629	657	388	391	556
Venezuela	45	4	...	...	...	...	...	...	...	...
South America	1 529	852	1 263	1 332	1 440	1 321	1 407	933	767	1 177
China	23 827	21 790	24 174	23 750	24 082	29 984	31 370	28 577	27 353	24 000
Japan	2 652	1 643	2 145	2 279	2 203	2 087	2 215	1 725	1 611	1 719
South Korea	21	18	16	17	18	21	20	21	18	23
Asia	26 500	23 450	26 335	26 046	26 303	32 091	33 605	30 323	28 982	25 742
World	39 778	32 423	37 763	38 957	38 332	43 884	45 753	39 672	38 098	37 155

Table 28

Production of Welded Tubes

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	186	164	183	244	230	231	230	188	179	245
Belgium	144	96	...	...	...	...	...	...	...	...
Bulgaria	84	36	36	...	...	...	...	...	...	...
Czech Republic	288	216	228	216	228	221	241	260	245	206
Germany	2 167	1 946	1 916	1 885	1 738	1 298	1 445	1 391	1 492	...
Finland	312	168	228	180	...	...	...	...	...	...
France	768	468	480	528	...	...	...	...	...	...
Greece	744	576	636	648	...	...	...	...	...	...
Hungary	120	60	48	48	...	...	...	...	...	...
Italy	3 180	2 148	2 448	2 616	...	...	...	...	...	...
Netherlands	408	324	300	300	...	...	...	...	...	...
Poland	624	624	672	708	790	...	711	662	729	678
Portugal	168	96	96	108	...	...	...	...	...	...
Romania	149	161	249	...	...	...	...	...	...	...
Slovak Republic	108	84	72	72	...	...	...	...	...	...
Slovenia	108	72	36	24	...	...	...	...	...	...
Spain	936	576	888	816	...	...	...	...	...	...
Sweden	96	48	48	48	...	...	...	...	...	...
United Kingdom	732	528	624	732	...	...	...	...	...	...
European Union (28)	11 322	8 392	9 188	9 173	2 986	1 750	2 628	2 501	2 645	1 129
Turkey	3 266	2 928	3 439	3 765	4 250	4 202	...	...	...	...
Other Europe	3 266	2 928	3 439	3 765	4 250	4 202	...	...	...	...
Byelorussia	...	...	78	77	89	87	80	104	59	42
Kazakhstan	78	80	111	124	135	149	136	127	111	121
Russia	...	...	6 481	7 127	6 782	7 266	8 224	8 320	7 489	7 987
Ukraine	...	...	1 052	1 426	1 292	1 007	748	465	494	512
C.I.S.	78	80	7 721	8 754	8 298	8 509	9 188	9 016	8 153	8 662
Canada	2 384	1 371	2 187	2 286	2 449	2 195	1 384	939	706	926
Mexico	634	581	696	685	952	939	1 006	1 064	899	1 061
United States	2 407	1 165	1 770	2 147	2 165	2 060	2 299	1 500	1 152	1 853
North America	5 426	3 117	4 653	5 118	5 565	5 193	4 689	3 504	2 758	3 840
China	27 068	31 425	32 555	39 893	47 103	53 587	57 610	69 696	...	...
Indonesia	637	641	670	642	687	668	1 105	1 277	1 288	1 573
Japan	6 436	4 050	4 982	4 946	5 097	5 318	5 437	4 504	4 774	4 832
South Korea	4 790	3 890	4 839	5 057	5 643	5 634	6 389	4 907	5 187	5 617
Malaysia	769	617	660	569	688	707	801	842	796	854
Philippines	138	58	50	90	99	300	330	330	330	330
Taiwan, China	1 056	886	1 148	1 214	1 182	1 206	1 280	1 146	1 129	1 157
Viet Nam	550	568	673	731	775	969	1 221	1 548	2 061	2 307
Asia	41 445	42 134	45 578	53 142	61 272	68 389	74 172	84 250	15 565	16 671
Australia	345	243	251	241	214	190	155	155	155	...
Oceania	345	243	251	241	214	190	155	155	155	...
World	58 616	53 966	67 391	76 426	78 335	84 032	90 832	99 426	29 275	30 303

Table 29

Exports of Semi-finished and Finished Steel Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	7 153	5 360	6 315	7 020	6 358	6 605	7 282	7 440	7 310	7 919
Belgium	21 235	12 809	15 153	16 445	14 456	13 875	14 161	15 202	16 724	18 060
Bulgaria	1 323	957	908	1 205	983	946	999	943	1 064	1 354
Croatia	119	82	85	109	34	121	210	218	106	64
Cyprus	0	0	0	0	1	1	1	1	0	4
Czech Republic	5 185	3 877	4 651	4 855	4 642	4 751	4 736	4 830	5 192	4 785
Denmark	1 097	680	857	976	798	797	790	935	946	984
Estonia	295	120	204	274	194	107	114	104	109	138
Germany	28 639	20 778	25 352	26 379	25 818	24 161	24 757	25 147	25 521	26 365
Finland	2 027	1 397	2 490	2 861	1 820	1 617	1 840	1 902	1 948	2 018
France	17 125	11 999	14 141	14 224	14 579	14 164	14 944	14 003	13 689	14 782
Greece	1 302	1 035	1 170	1 742	1 215	973	920	997	990	1 292
Hungary	1 403	1 090	1 316	1 470	1 698	1 766	1 607	1 440	1 404	1 892
Ireland	47	34	37	44	50	47	65	93	121	91
Italy	18 040	12 750	15 316	17 125	17 926	16 640	17 328	16 475	17 895	18 190
Latvia	895	865	894	833	1 151	622	399	576	486	458
Lithuania	213	178	205	253	284	258	269	330	380	386
Luxembourg	4 679	2 471	3 059	3 442	2 869	2 731	3 003	2 908	2 920	2 920
Malta	0	0	0	0	0	0	1	1	1	7
Netherlands	10 029	7 707	9 271	10 441	9 734	8 761	9 715	10 630	10 214	10 916
Poland	5 560	4 188	4 240	4 907	5 392	4 895	5 024	5 084	5 396	6 190
Portugal	1 573	1 442	1 314	1 639	1 728	2 044	2 369	2 324	2 443	2 591
Romania	3 193	2 030	2 950	3 157	2 682	2 277	2 339	2 585	2 506	2 789
Slovak Republic	4 277	3 548	4 590	4 372	4 760	4 786	4 931	4 835	5 089	5 197
Slovenia	859	589	688	843	817	807	871	993	1 010	1 103
Spain	9 456	8 176	9 815	9 888	9 416	9 134	9 710	9 590	9 317	8 917
Sweden	4 037	2 449	3 643	5 048	4 034	3 308	3 271	3 207	3 650	3 855
United Kingdom	8 933	6 304	6 044	6 027	6 410	8 374	8 599	7 280	4 588	4 699
European Union (28)	158 693	112 917	134 708	145 576	139 850	134 571	140 255	140 071	141 019	147 965
Albania	17	7	142	173	126	108	139	74	5	3
Bosnia-Herzegovina	334	266	386	425	464	455	521	606	499	452
Iceland	1	0	0	1	0	2	5	0	1	0
Macedonia	769	423	519	622	484	373	431	406	512	595
Montenegro	129	59	23	36	20	12	8	27	19	18
Norway	685	591	507	547	664	567	551	521	571	540
Serbia	1 414	982	1 284	1 116	488	609	748	908	936	1 141
Switzerland	1 312	795	1 066	1 166	1 091	1 097	1 070	1 136	1 110	1 184
Turkey	18 535	17 413	16 223	16 688	18 574	17 305	16 024	14 887	15 349	16 346
Other Europe	18	8	13	5	8	3	2	2	2	3
Other Europe	23 215	20 544	20 162	20 779	21 920	20 531	19 499	18 567	19 005	20 281
Armenia	0	0	0	0	0	0	0	0	3	3
Azerbaijan	25	4	23	90	52	50	31	11	124	131
Byelorussia	2 037	1 962	1 915	1 970	2 167	1 872	2 123	2 170	1 885	2 000
Georgia	25	13	82	106	106	258	223	91	70	99
Kazakhstan	3 585	3 408	2 860	2 491	1 693	1 132	1 650	1 704	2 500	1 732
Kyrgyzstan	1	0	10	11	9	8	10	2	0	0
Moldova	722	273	224	221	314	147	344	273	194	375
Russia	28 429	27 587	27 382	24 729	26 678	23 641	28 084	29 702	31 186	31 159
Tajikistan	0	...	0	0	0	0	0	0	1	0
Turkmenistan	0	0	0	0	0	0	0	0	2	0
Ukraine	28 648	23 970	25 201	25 955	24 142	24 720	21 492	17 721	18 230	15 224
Uzbekistan	92	15	30	8	4	9	22	17	4	7
C.I.S.	63 564	57 232	57 728	55 582	55 164	51 836	53 978	51 693	54 199	50 729

Table 29
(continued) **Exports of Semi-finished and Finished Steel Products**

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Canada	7 440	4 947	7 023	6 356	6 166	5 767	6 201	6 038	5 848	6 482
Costa Rica	4	7	4	2	6	12	14	110	213	324
Cuba	18	23	17	41	47	40	24	9	32	49
Dominican Republic	61	37	36	90	47	35	43	44	33	48
El Salvador	120	100	4	2	6	4	8	5	10	12
Guatemala	4	4	9	8	13	13	14	16	61	82
Honduras	25	20	20	2	13	12	19	17	28	21
Jamaica	0	0	0	2	...	...	0	0	0	0
Mexico	5 766	3 619	5 183	5 537	4 688	5 639	5 395	3 898	4 084	5 180
Nicaragua	5	4	5	0	0	0	1	2	1	0
Panama	11	3	5	4	7	3	11	5	4	5
Trinidad and Tobago	187	102	125	170	175	102	129	83	4	1
United States	13 362	9 238	11 802	13 288	13 560	12 508	11 961	10 000	9 247	10 211
Other North America	36	31	1	4	6	4	4	18	3	9
North America	27 038	18 135	24 234	25 506	24 732	24 138	23 823	20 245	19 569	22 423
Argentina	1 328	1 294	1 113	1 118	1 026	880	890	471	450	612
Bolivia	0	0	0	0	0	0	0	0	0	0
Brazil	9 152	8 607	8 983	10 824	9 673	8 081	9 766	13 708	13 399	15 317
Chile	77	103	115	114	80	51	118	79	84	116
Colombia	264	191	203	188	178	119	100	66	66	89
Ecuador	13	10	27	25	20	22	21	40	41	40
Paraguay	42	11	9	3	...	0	0	0	1	3
Peru	127	135	138	134	166	166	178	149	215	209
Uruguay	39	31	20	26	1	28	28	20	38	47
Venezuela	780	770	246	712	163	80	20	78	48	24
Other South America	0	...	...	0	0	0	0	1	0	0
South America	11 822	11 152	10 854	13 145	11 307	9 428	11 121	14 613	14 342	16 456
Algeria	84	10	3	11	23	15	4	1	0	1
Cameroon	1	0	0	3	0	0	0	12	0	0
Egypt	1 157	941	1 184	1 425	847	1 958	1 153	453	595	1 315
Ghana	0	0	0	2	2	1	0	1	0	2
Ivory Coast	0	0	0	1	1	0	0	0	0	1
Kenya	1	1	1	1	0	1	0	1	0	0
Libya	245	95	124	92	47	9	3	13	6	18
Morocco	95	24	64	169	141	92	47	65	107	155
Nigeria	2	1	1	5	5	0	19	6	1	10
Senegal	0	0	0	1	0	0	0	0	0	0
South Africa	2 188	2 844	3 018	2 567	2 216	1 888	2 339	2 190	2 194	2 562
Sudan	0	0	0	1	0	0	0	0	0	0
Tanzania	1	0	1	1	1	0	1	...	0	0
Tunisia	186	96	149	160	99	70	84	53	42	31
Other Africa	15	13	41	43	59	54	63	28	24	21
Africa	3 974	4 025	4 586	4 481	3 440	4 089	3 712	2 823	2 971	4 115
Bahrain	25	26	37	45	41	513	153	540	768	782
Iran	450	131	297	270	260	368	2 868	3 798	5 654	7 460
Iraq	0	0	1	0	1	0	0	0	0	1
Israel	45	42	47	59	35	17	7	6	5	8
Jordan	0	1	0	1	1	3	0	1	76	72
Kuwait	7	2	3	16	6	8	3	0	109	101
Lebanon	39	13	14	27	20	24	4	1	0	0
Oman	30	39	40	195	56	49	101	118	268	653
Qatar	900	800	900	585	1 000	1 000	45	0	349	529 e
Saudi Arabia	900	101	132	699	285	247	123	1 129	1 141	1 138
Syria	1	2	0	10	0	0	...	0	1	0
United Arab Emirates	3 400	106	188	949	248	265	860	634	3 404	2 951
Yemen	0	0	...	1	0	...	9	14	...	...
Other Middle East	150	151	238	...	...	...	...	...	...	...
Middle East	5 947	1 415	1 898	2 856	1 951	2 494	4 172	6 241	11 777	13 694

Table 29
(continued)

Exports of Semi-finished and Finished Steel Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Bangladesh	10	8	12	14	19	26	18	5	4	6
China	56 304	23 969	41 646	47 899	54 793	61 543	92 907	111 556	108 066	74 808
Hong Kong	1 917	1 226	1 432	1 246	1 168	1 087	1 281	168	988	839
India	7 485	5 552	6 690	8 940	8 232	10 078	10 379	7 563	10 325	16 335
Indonesia	1 516	1 104	1 236	1 249	901	660	1 342	2 003	1 599	2 425
Japan	36 923	33 306	42 735	40 656	41 458	42 502	41 346	40 804	40 505	37 471
D.P.R. Korea (e)	91	76	130	67	78	60	57	33	40	29
South Korea	19 718	20 237	24 628	28 866	30 227	28 927	31 906	31 173	30 586	31 355
Malaysia	2 754	2 920	2 294	2 746	2 319	1 618	2 100	1 823	1 428	1 725
Myanmar	0	0	0	2	5	2	0	2	1	7
Pakistan	101	585	1 063	292	220	159	224	53	65	117
Philippines	148	76	57	105	131	159	145	21	29	37
Singapore	2 866	1 691	1 904	2 312	2 252	2 275	2 155	1 729	1 708	1 479
Sri Lanka	2	1	1	2	3	1	1	1	1	1
Taiwan, China	10 038	9 953	10 001	10 545	10 539	11 559	12 086	11 177	12 233	12 117
Thailand	2 478	1 587	1 776	1 599	1 569	1 504	1 414	1 254	1 460	1 853
Viet Nam	396	151	695	1 137	1 280	1 383	1 523	1 512	2 537	4 034
Other Asia	147	1 039	189	1 203	1 384	952	985	1 127	1 159	1 258
Asia	142 896	103 481	136 489	148 881	156 577	164 493	199 870	212 003	212 735	185 896
Australia	1 421	928	1 659	1 389	641	631	683	841	776	979
New Zealand	365	275	406	448	421	475	287	347	188	192
Other Oceania	2	2	1	21	4	1	1	0	0	0
Oceania	1 788	1 205	2 066	1 858	1 066	1 107	970	1 188	965	1 171
World	438 937	330 106	392 725	418 663	416 008	412 687	457 402	467 442	476 579	462 731

Table 30

Imports of Semi-finished and Finished Steel Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	4 140	2 969	3 253	3 830	3 670	3 320	3 739	4 194	4 328	4 590
Belgium	15 233	9 687	11 481	13 309	10 557	10 109	10 743	12 073	13 007	14 073
Bulgaria	1 951	1 029	1 012	1 503	1 353	1 513	1 878	1 741	1 969	1 799
Croatia	1 150	822	731	678	657	632	680	772	844	821
Cyprus	491	305	341	231	162	131	109	144	154	252
Czech Republic	5 983	4 161	5 482	5 828	5 921	5 791	5 750	6 146	6 477	7 075
Denmark	2 927	1 624	1 944	2 442	2 250	2 249	2 246	2 436	2 535	2 504
Estonia	694	295	495	624	511	433	455	422	540	611
Germany	27 488	17 656	22 733	24 854	22 729	21 881	24 263	24 817	26 620	27 094
Finland	1 442	972	1 408	1 406	1 055	1 017	1 025	962	1 078	1 995
France	16 955	11 439	14 178	14 715	13 163	13 154	13 418	13 656	14 570	15 073
Greece	2 601	1 708	1 383	1 372	1 072	1 162	1 262	1 173	1 424	1 363
Hungary	2 117	1 272	1 540	1 860	2 126	2 899	2 613	2 275	2 710	2 783
Ireland	940	390	459	440	457	451	544	658	684	760
Italy	22 333	12 550	16 307	17 478	13 899	15 626	16 632	19 936	19 616	20 091
Latvia	728	500	660	908	591	650	721	864	827	702
Lithuania	762	440	560	693	744	780	858	894	1 048	1 060
Luxembourg	2 115	1 144	1 439	1 258	1 041	1 193	1 153	1 139	1 158	1 057
Malta	53	45	56	34	33	31	41	44	42	42
Netherlands	8 105	6 309	6 853	8 293	7 557	6 144	6 963	6 803	8 359	8 820
Poland	8 041	5 359	6 386	7 551	7 845	7 993	9 125	9 214	10 105	10 652
Portugal	2 966	2 226	2 351	2 026	1 900	2 472	2 521	2 740	2 803	3 066
Romania	3 685	2 095	2 770	3 374	2 930	2 784	3 216	3 454	3 511	3 833
Slovak Republic	2 336	1 578	2 127	2 343	2 127	2 446	2 552	2 677	2 940	3 004
Slovenia	1 518	1 070	1 124	1 275	1 136	1 125	1 223	1 407	1 483	1 553
Spain	11 444	7 040	8 630	8 449	7 329	7 401	8 127	8 885	9 391	9 948
Sweden	4 017	2 788	3 843	4 578	3 727	3 154	3 144	3 077	3 433	3 751
United Kingdom	8 049	4 374	6 297	7 462	7 140	6 349	7 403	7 182	7 652	7 847
European Union (28)	160 265	101 847	125 845	138 813	123 683	122 891	132 402	139 784	149 311	156 216
Albania	218	389	253	259	257	181	173	238	394	250
Bosnia-Herzegovina	418	220	315	316	281	278	268	314	418	459
Iceland	88	31	34	35	37	106	40	50	62	59
Macedonia	776	447	538	404	360	340	448	515	764	553
Montenegro	34	21	16	17	19	25	25	66	76	126
Norway	1 357	960	853	1 031	1 004	954	1 419	1 000	1 001	1 139
Serbia	941	774	562	471	618	622	672	665	647	743
Switzerland	2 523	1 856	2 280	2 485	2 426	2 438	2 454	2 330	2 498	2 544
Turkey	13 271	10 236	10 746	10 304	11 499	14 462	13 394	18 614	17 009	15 814
Other Europe	360	195	3 020	242	121	127	123	205	120	151
Other Europe	19 984	15 129	18 617	15 566	16 621	19 534	19 016	23 998	22 988	21 838
Armenia	124	113	111	79	80	76	80	72	91	107
Azerbaijan	813	667	793	912	1 060	1 257	1 248	839	561	536
Byelorussia	2 045	1 482	2 079	1 972	2 210	2 342	1 880	1 481	1 514	1 777
Georgia	333	206	282	311	374	391	451	412	460	445
Kazakhstan	2 320	2 295	1 134	1 316	1 667	1 201	1 660	505	444	403
Kyrgyzstan	103	136	134	181	265	321	343	301	288	278
Moldova	168	121	124	138	178	178	208	151	166	150
Russia	5 725	3 586	5 229	7 199	6 897	6 571	6 442	4 364	4 448	6 505
Tajikistan	80	137	105	111	174	245	277	379	309	280
Turkmenistan	578	758	482	575	1 172	1 014	1 004	798	550	233
Ukraine	2 399	1 008	1 793	1 981	1 876	1 767	1 202	804	1 138	1 401
Uzbekistan	777	871	633	622	819	1 160	1 252	1 160	1 127	1 727
C.I.S.	15 466	11 380	12 899	15 397	16 771	16 522	16 048	11 266	11 095	13 840

Table 30
(continued) **Imports of Semi-finished and Finished Steel Products**

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Canada	7 515	6 217	9 331	10 903	9 618	8 895	10 293	8 021	7 727	8 809
Costa Rica	576	275	298	461	411	417	446	504	786	875
Cuba	144	137	175	216	171	187	131	272	187	174
Dominican Republic	665	668	683	603	491	583	734	829	827	859
El Salvador	252	95	162	174	197	262	246	313	367	389
Guatemala	438	343	430	547	441	548	649	920	935	859
Honduras	197	100	105	196	266	230	270	306	300	399
Jamaica	156	68	69	79	125	100	142	158	133	191
Mexico	7 040	4 858	6 732	6 846	9 266	8 117	9 111	10 031	9 679	11 625
Nicaragua	95	77	52	72	95	73	112	171	223	160
Panama	347	354	439	542	442	585	725	590	580	566
Trinidad and Tobago	199	311	145	140	178	193	256	231	222	230
United States	30 157	15 342	22 510	26 590	30 886	29 812	41 369	36 485	30 913	35 366
Other North America	1 119	993	653	188	163	195	179	258	277	312
North America	48 903	29 836	41 786	47 556	52 750	50 195	64 664	59 090	53 156	60 816
Argentina	1 253	671	1 261	1 272	1 315	1 152	920	1 195	772	1 556
Bolivia	333	300	370	380	381	421	464	428	509	497
Brazil	2 561	2 357	5 904	3 783	3 777	3 683	3 947	3 195	1 864	2 313
Chile	1 588	678	1 790	1 377	1 557	1 696	1 729	1 905	1 798	1 899
Colombia	2 006	1 606	1 987	2 439	1 894	2 628	3 125	2 912	2 748	2 486
Ecuador	1 044	793	927	1 195	1 095	1 236	1 283	1 027	927	1 096
Paraguay	168	110	196	272	264	339	390	303	328	371
Peru	1 366	996	1 779	1 862	1 573	1 880	2 015	2 209	2 247	1 859
Uruguay	147	102	131	195	141	189	212	215	156	177
Venezuela	596	417	471	644	1 011	980	897	725	318	128
Other South America	49	46	23	72	78	86	86	110	82	90
South America	11 112	8 077	14 838	13 491	13 085	14 291	15 066	14 225	11 750	12 472
Algeria	4 653	5 510	3 654	3 947	4 723	5 126	5 975	6 300	5 465	4 619
Cameroon	154	170	159	158	234	233	269	281	243	195
Egypt	3 066	5 625	3 324	2 574	3 654	4 237	6 167	7 881	9 197	5 538
Ghana	451	414	479	779	716	699	767	889	836	704
Ivory Coast	176	168	208	191	205	266	301	345	397	413
Kenya	600	821	797	1 207	949	1 308	1 333	1 708	1 491	1 364
Libya	529	1 439	1 147	154	746	967	610	419	173	136
Morocco	1 981	1 954	1 411	1 421	1 294	1 641	1 670	2 019	2 152	1 535
Nigeria	1 641	1 783	1 341	1 762	1 753	2 193	1 955	1 677	1 209	1 022
Senegal	195	267	338	403	368	313	386	419	517	476
South Africa	760	635	843	1 259	1 108	1 759	1 418	1 699	1 392	1 186
Sudan	441	496	422	400	426	387	310	507	576	611
Tanzania	253	321	332	443	411	726	602	667	551	535
Tunisia	1 278	925	1 108	997	810	886	955	1 098	1 010	1 169
Other Africa	3 032	3 293	2 975	3 541	4 203	4 701	4 973	5 219	4 496	3 867
Africa	19 211	23 821	18 537	19 235	21 602	25 441	27 692	31 128	29 704	23 369
Bahrain	414	100	176	197	176	99	94	160	417	590
Iran	7 914	9 139	9 613	8 556	5 604	3 111	4 187	4 472	4 683	3 098
Iraq	976	1 920	2 297	2 676	4 028	4 480	3 116	2 878	2 472	2 366
Israel	1 221	1 334	1 530	1 808	1 926	2 164	2 335	2 651	2 983	2 828
Jordan	1 550	1 567	1 336	1 094	1 245	868	854	863	1 392	765
Kuwait	1 048	617	1 521	1 123	788	680	728	1 000	1 477	1 141
Lebanon	1 189	2 533	2 455	2 748	2 999	1 500	1 482	1 196	1 515	1 177
Oman	802	426	496	689	862	688	968	1 182	1 768	1 538
Qatar	992	287	136	239	319	215	272	300	443	473
Saudi Arabia	6 290	3 419	5 179	6 210	8 092	6 664	6 641	6 491	7 355	4 610
Syria	2 056	2 317	1 795	1 977	638	267	350	325	277	292
United Arab Emirates	13 628	6 030	6 818	6 115	6 242	5 590	6 647	6 608	7 422	6 501
Yemen	626	820	517	355	653	859	899	402	802	893
Other Middle East	...	...	1	...	0	...	0	3	0	0
Middle East	38 704	30 508	33 870	33 786	33 572	27 184	28 572	28 530	33 007	26 271

Table 30
(continued) **Imports of Semi-finished and Finished Steel Products**

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Bangladesh	780	1 641	1 834	1 990	2 316	2 458	2 690	3 967	4 014	2 673
China	15 622	22 350	17 181	16 349	14 154	14 774	14 903	13 178	13 581	13 909
Hong Kong	3 770	2 830	3 241	3 013	3 029	3 365	3 827	3 694	3 306	3 027
India	6 973	8 288	9 744	9 213	9 341	7 392	9 477	13 284	9 904	8 882
Indonesia	8 070	5 712	7 614	8 595	12 032	12 297	11 026	11 413	12 574	11 414
Japan	4 477	3 037	4 440	5 563	5 733	5 413	6 733	5 918	6 014	6 233
D.P.R. Korea (e)	59	93	95	114	124	133	175	234	254	179
South Korea	28 560	20 340	24 779	22 828	20 402	19 033	22 408	21 674	23 285	19 323
Malaysia	5 123	3 908	5 189	5 067	5 942	6 722	7 637	7 816	9 073	7 738
Myanmar	486	802	911	1 193	1 439	1 437	2 147	2 420	2 374	2 004
Pakistan	1 230	1 739	1 695	1 591	1 953	2 062	2 477	3 411	4 358	3 917
Philippines	3 003	3 211	4 050	3 927	4 384	4 972	6 805	7 282	7 248	7 308
Singapore	5 604	3 860	4 236	5 438	5 399	6 167	5 673	5 180	4 285	3 648
Sri Lanka	375	378	466	529	613	586	673	951	1 068	1 050
Taiwan, China	9 250	6 535	8 499	7 552	7 521	7 764	8 859	7 510	7 862	7 425
Thailand	11 835	9 027	12 281	12 498	15 183	15 866	15 081	14 628	17 605	14 486
Viet Nam	7 600	9 433	9 211	7 869	7 779	9 951	12 359	16 343	19 499	16 222
Other Asia	943	1 584	1 815	4 367	3 071	2 265	2 769	2 576	3 478	4 478
Asia	113 762	104 768	117 281	117 696	120 414	122 659	135 719	141 475	149 780	133 916
Australia	2 960	2 113	2 597	2 346	2 884	2 208	2 978	2 868	1 935	2 269
New Zealand	429	264	337	310	329	362	388	394	409	402
Other Oceania	134	118	141	132	135	126	130	176	207	190
Oceania	3 522	2 495	3 074	2 788	3 348	2 696	3 496	3 438	2 550	2 862
World	430 929	327 862	386 747	404 329	401 847	401 413	442 674	452 933	463 342	451 600

Table 31

Exports of Ingots and Semis

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	285	187	189	294	234	301	247	241	208	236
Belgium	912	264	475	451	321	287	195	163	466	469
Bulgaria	85	54	30	25	14	12	7	2	5	2
Croatia	3	0	2	30	4	79	118	127	3	3
Cyprus	...	...	...	0	...	...	...	...	0	...
Czech Republic	500	223	319	355	292	259	283	266	368	339
Denmark	17	13	18	18	21	22	17	18	20	23
Estonia	1	3	1	1	1	0	0	0	0	0
Germany	2 047	1 655	2 150	2 100	1 690	1 822	1 939	1 910	1 899	1 891
Finland	281	253	264	219	128	50	76	125	12	30
France	2 811	1 813	1 794	1 992	2 233	1 132	1 236	767	796	1 177
Greece	159	103	143	140	60	44	51	47	109	178
Hungary	90	4	9	26	3	10	23	20	60	23
Ireland	1	0	0	1	0	0	1	1	1	1
Italy	964	570	908	909	831	703	654	461	544	754
Latvia	4	2	2	5	73	33	0	0	0	0
Lithuania	4	1	2	0	0	0	0	0	0	0
Luxembourg	50	13	11	37	27	26	15	21	25	29
Malta	...	...	0	...	0	...	...	...	...	...
Netherlands	863	374	798	1 402	1 174	667	635	785	731	998
Poland	1 580	664	483	835	599	375	720	674	700	561
Portugal	164	136	171	109	36	72	151	155	207	335
Romania	220	52	196	268	200	156	187	103	79	241
Slovak Republic	242	256	631	222	417	129	306	563	518	641
Slovenia	21	12	17	39	33	42	47	28	26	23
Spain	311	261	338	194	122	226	112	151	238	294
Sweden	102	59	233	244	448	416	256	174	187	220
United Kingdom	3 358	2 130	1 137	903	2 078	3 494	3 534	2 687	842	846
European Union (28)	15 079	9 104	10 322	10 818	11 040	10 357	10 810	9 492	8 044	9 314
Albania	...	...	132	167	124	46	104	50	4	...
Bosnia-Herzegovina	2	44	94	84	110	114	161	119	52	17
Montenegro	16	6	6	8	3	2	0	1	2	0
Norway	63	107	64	92	163	88	54	40	40	72
Serbia	1	47	21	111	188	267	266	120	13	55
Switzerland	65	48	67	85	70	75	75	94	98	107
Turkey	2 501	2 424	3 737	2 455	2 980	1 567	603	305	272	891
Other Europe	0	0	...	0	0	0	5	...	0	0
Other Europe	2 649	2 675	4 120	3 004	3 639	2 159	1 268	728	480	1 142
Byelorussia	689	613	648	611	709	385	585	523	112	244
Kazakhstan	875	725	830	754	786	202	369	289	665	545
Russia	16 030	13 270	15 309	13 166	15 507	13 783	14 156	15 310	15 789	15 141
Ukraine	12 763	11 520	11 430	10 816	10 101	10 952	9 290	7 849	7 833	6 372
Other C.I.S.	12	5	16	9	25	123	93	59	152	156
C.I.S.	30 370	26 133	28 233	25 356	27 128	25 446	24 493	24 030	24 552	22 458
Canada	1 321	885	1 795	1 095	664	314	386	205	155	256
Cuba	17	19	11	35	8	33	23	...	32	49
Mexico	2 906	1 003	1 749	1 833	1 020	1 340	1 291	707	731	1 037
Trinidad and Tobago	74	44	11	...	12	0	...	21	1	...
United States	520	591	616	907	808	449	295	142	113	146
Other North America	2	15	2	0	5	1	0	26	16	47
North America	4 840	2 557	4 186	3 870	2 516	2 136	1 995	1 101	1 048	1 535

Table 31
(continued)

Exports of Ingots and Semis

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Argentina	114	290	41	65	53	56	180	103	32	10
Brazil	5 665	4 612	5 257	7 170	6 637	5 273	6 295	8 717	8 446	9 758
Venezuela	110	118	56	35	...	...	...	6	16	23
Other South America	55	5	9	4	0	9	26	0	8	33
South America	5 944	5 025	5 363	7 274	6 691	5 338	6 502	8 825	8 502	9 823
Egypt	2	0	16	30	23	181	110	34	18	70
Libya	19	20	...	31	35	...	...	13	4	0
South Africa	89	436	228	208	111	26	70	154	138	369
Other Africa	12	3	0	15	16	4	9	7	10	12
Africa	123	460	244	284	186	210	188	207	169	450
Iran	50	...	66	6	1	90	746	1 353	3 372	5 940
Oman	1	16	1	15	0	...	32	74	108	481
Qatar	...	46	...	201	0	3	44	...	123	290 e
Saudi Arabia	1	...	0	4	102	70	29	7	10	16
United Arab Emirates	6	2	3	48	26	2	423	189	713	1 044
Other Middle East	6	1	1	2	5	386	94	230	559	803
Middle East	64	64	72	276	133	550	1 367	1 854	4 885	8 573
China	1 319	44	145	5	4	4	7	8	13	12
India	1 126	695	222	481	601	1 253	1 601	769	1 766	2 786
Indonesia	36	2	13	2	4	6	313	635	752	1 027
Japan	4 760	5 843	5 229	5 162	5 519	5 966	5 330	4 814	4 542	4 326
D.P.R. Korea (e)	20	46	90	60	50	44	38	23	18	16
South Korea	620	353	1 189	1 719	1 985	1 346	870	483	352	912
Malaysia	707	647	565	916	602	146	102	118	105	59
Philippines	9	2	2	34	0	0	0	0	0	0
Singapore	37	18	14	20	13	17	60	13	6	20
Taiwan, China	558	769	473	367	344	690	449	215	669	293
Thailand	182	145	220	160	113	49	6	4	118	255
Viet Nam	396	4	1	116	82	81	126	25	1	654
Other Asia	21	55	16	25	23	8	24	23	15	61
Asia	9 792	8 623	8 176	9 067	9 340	9 611	8 925	7 130	8 359	10 422
Australia	3	32	18	52	12	28	59	49	41	18
New Zealand	13	7	6	5	9	9	9	11	1	0
Other Oceania	...	...	...	...	...	0	0	...	...	...
Oceania	16	39	24	57	21	37	68	60	42	18
World	68 876	54 679	60 741	60 007	60 694	55 843	55 616	53 426	56 080	63 736

Table 32

Imports of Ingots and Semis

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	192	47	162	185	182	155	289	604	603	570
Belgium	2 790	1 988	2 568	2 910	2 448	1 631	1 813	2 180	1 919	2 138
Bulgaria	567	306	258	412	299	413	339	376	479	368
Croatia	20	19	8	2	14	2	2	3	3	3
Cyprus	0	0	0	0	0	0	0	0	0	0
Czech Republic	504	221	619	322	345	355	291	393	617	739
Denmark	672	329	537	606	421	552	560	634	677	654
Estonia	1	1	1	1	1	1	0	0	0	0
Germany	2 970	1 172	1 611	2 263	1 728	1 352	2 066	1 886	1 899	2 252
Finland	11	30	18	17	10	6	4	4	22	31
France	1 745	1 113	1 792	2 028	1 718	1 694	1 800	2 094	2 298	1 829
Greece	171	159	28	72	18	45	34	50	13	3
Hungary	33	105	30	239	566	1 156	726	229	371	138
Ireland	4	5	6	2	2	3	8	7	7	10
Italy	5 311	2 656	3 567	3 631	3 168	3 198	3 127	3 802	3 784	3 900
Latvia	146	227	206	406	3	3	3	206	29	4
Lithuania	10	1	3	3	5	7	9	1	2	1
Luxembourg	1 003	357	405	359	138	130	136	115	80	23
Malta	0	0	0	0	0	0	0	0	0	0
Netherlands	381	334	465	1 288	1 045	387	738	750	982	804
Poland	584	156	119	333	575	603	401	238	313	340
Portugal	27	53	21	14	33	22	27	47	41	41
Romania	758	108	455	771	329	226	303	304	220	252
Slovak Republic	19	54	9	24	7	12	9	13	19	11
Slovenia	13	2	8	32	21	21	28	18	21	23
Spain	1 588	917	940	797	711	768	953	843	1 127	965
Sweden	265	120	173	218	131	119	168	244	205	231
United Kingdom	683	210	740	1 185	828	444	342	363	432	451
European Union (28)	20 469	10 688	14 748	18 119	14 744	13 304	14 176	15 404	16 163	15 782
Albania	9	72	0	0	0	0	0	0	24	0
Bosnia-Herzegovina	21	1	1	20	9	12	3	1	2	4
Iceland	1	1	1	1	0	1	0	1	0	1
Macedonia	433	123	153	93	60	44	144	66	176	82
Montenegro	0	0	0	0	0	0	0	0	...	0
Norway	167	59	5	5	6	8	8	8	5	10
Serbia	88	227	168	35	2	1	3	3	9	16
Switzerland	30	9	18	61	49	45	33	24	21	38
Turkey	3 849	3 629	2 401	2 158	3 356	5 430	4 777	7 885	6 160	4 835
Other Europe	87	3	0	1	0	0	0	0	0	0
Other Europe	4 686	4 126	2 747	2 375	3 482	5 542	4 967	7 989	6 396	4 986
Armenia	0	0	...	...	0	0	0	0	0	2
Azerbaijan	34	5	82	108	82	72	113	11	6	1
Byelorussia	6	4	6	4	7	104	17	3	3	23
Georgia	23	0	0	2	2	42	11	8	8	11
Kazakhstan	41	19	4	754	786	202	369	1	1	0
Kyrgyzstan	0	0	...	0	0	0	0	0	0	0
Moldova	0	15	0	0	59	19	51	0	0	0
Russia	11	6	12	38	19	21	10	8	6	72
Tajikistan	3	1	...	0	2	0	1	3	0	0
Turkmenistan	0	0	10	0	150	185	19	0	0	0
Ukraine	388	247	493	511	363	84	71	14	22	28
Uzbekistan	0	0	0	0	0	0	104	254	240	389
C.I.S.	507	299	607	1 419	1 472	731	767	303	286	526

Table 32
(continued)

Imports of Ingots and Semis

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Canada	328	209	657	2 292	470	278	557	267	249	576
Costa Rica	139	16	0	106	70	21	0	106	184	320
Cuba	2	2	1	2	2	1	1	1	0	0
Dominican Republic	430	469	392	333	247	271	406	306	424	332
El Salvador	52	7	5	0	18	16	13	0	0	75
Guatemala	103	47	61	95	71	40	48	13	29	224
Honduras	79	27	28	57	55	37	29	10	1	20
Jamaica	0	0	0	0	1	0	0	0	1	1
Mexico	787	514	319	226	1 007	333	520	520	419	556
Nicaragua	0	0	0	0	0	0	0	0	0	0
Panama	18	0	1	51	29	12	4	0	...	0
Trinidad and Tobago	0	0	0	0	0	0	0	0	0	1
United States	5 404	1 822	4 596	6 076	6 915	6 638	9 562	6 560	6 014	7 669
Other North America	904	857	518	27	9	44	2	2	1	1
North America	8 246	3 971	6 580	9 265	8 895	7 691	11 141	7 786	7 322	9 775
Argentina	389	115	383	280	348	346	110	99	118	530
Bolivia	0	0	0	0	0	0	0	0	0	0
Brazil	60	37	53	25	32	11	14	74	245	86
Chile	89	16	77	10	59	60	1	0	23	3
Colombia	159	142	69	120	69	133	244	163	193	109
Ecuador	376	169	132	117	54	75	34	0	33	27
Paraguay	5	0	0	0	...	0	0	0	8	0
Peru	21	173	248	246	221	400	219	296	341	203
Uruguay	0	2	...	16	40	0	0	...	0	0
Venezuela	12	6	1	2	1	1	1	7	1	0
Other South America	0	1	0	0	1	1	0	0	0	0
South America	1 112	661	963	816	825	1 026	624	639	961	959
Algeria	219	118	1	8	15	65	208	502	586	1 780
Cameroon	11	4	3	0	15	16	4	6	18	36
Egypt	1 450	1 315	1 176	1 012	1 613	2 602	3 085	3 570	3 994	2 782
Ghana	16	22	10	1	0	1	0	10	5	0
Ivory Coast	0	0	0	0	0	0	0	0	0	0
Kenya	11	114	100	117	135	157	162	177	119	212
Libya	51	158	212	0	63	112	67	181	31	72
Morocco	890	1 020	653	548	402	581	567	919	1 142	526
Nigeria	260	201	35	28	49	85	103	95	65	51
Senegal	0	0	0	2	1	0	0	5	0	0
South Africa	8	7	6	89	10	116	139	32	17	10
Sudan	100	122	85	66	92	79	12	13	45	164
Tanzania	3	10	5	2	4	12	14	25	39	22
Tunisia	357	294	401	287	262	337	340	494	364	552
Other Africa	46	61	32	30	51	59	91	58	42	185
Africa	3 423	3 446	2 718	2 188	2 713	4 221	4 793	6 088	6 467	6 395
Bahrain	7	24	13	14	1	16	1	5	4	39
Iran	2 922	2 230	3 151	2 085	2 053	304	346	142	255	48
Iraq	0	0	0	0	29	13	2	0	0	0
Israel	47	87	68	26	66	8	20	57	37	2
Jordan	544	766	398	329	434	379	325	239	662	222
Kuwait	306	3	202	0	0	0	0	0	2	3
Lebanon	231	1 305	1 334	1 672	1 824	149	0	0	0	0
Oman	320	44	89	72	153	71	0	0	354	565
Qatar	124	1	0	13	28	0	5	0	4	0 e
Saudi Arabia	1 779	527	1 308	1 793	2 488	1 962	1 196	1 557	1 195	257
Syria	480	756	689	901	266	152	122	39	35	17
United Arab Emirates	1 610	1 267	1 338	327	330	130	121	5	732	1 397
Yemen	1	0	0	0	0	0	...	0	0	0
Middle East	8 370	7 011	8 591	7 234	7 670	3 183	2 139	2 045	3 280	2 551

Table 32
(continued)

Imports of Ingots and Semis

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Bangladesh	145	379	539	752	1 002	1 026	916	460	875	129
China	280	4 649	680	666	402	611	347	301	288	522
Hong Kong	112	247	169	137	70	69	4	17	17	0
India	504	648	559	563	823	248	413	765	577	555
Indonesia	2 598	2 093	2 414	2 175	3 818	3 828	3 697	4 574	5 394	4 158
Japan	140	48	98	224	287	165	259	156	202	234
D.P.R. Korea (e)	5	14	0	0	0	...	0	0	...	0
South Korea	6 140	5 413	6 184	4 189	2 760	2 383	3 075	2 938	3 433	2 350
Malaysia	229	132	162	142	251	142	187	171	223	323
Myanmar	135	45	52	10	11	36	12	21	1	8
Pakistan	63	89	70	106	41	59	20	13	29	106
Philippines	1 103	914	1 183	786	328	311	172	431	1 034	2 129
Singapore	58	41	44	40	20	23	23	11	8	32
Sri Lanka	151	126	130	172	240	239	223	197	193	441
Taiwan, China	5 197	4 253	4 593	3 978	3 966	3 493	4 068	3 405	3 657	3 518
Thailand	3 566	3 837	4 010	3 409	3 991	3 684	3 127	3 171	4 940	3 002
Viet Nam	2 276	2 283	1 942	814	452	358	336	591	754	409
Other Asia	58	129	767	221	292	291	508	591	521	1 141
Asia	22 762	25 341	23 595	18 385	18 753	16 965	17 387	17 812	22 146	19 057
Australia	85	5	53	7	5	3	32	2	16	3
New Zealand	10	0	1	1	1	1	1	2	1	1
Other Oceania	41	21	2	28	38	18	27	39	32	55
Oceania	136	27	56	37	44	22	60	43	48	59
World	69 711	55 568	60 605	59 838	58 598	52 684	56 054	58 108	63 069	60 090

Table 33

Exports of Long Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	1 161	1 024	1 332	1 384	935	942	1 456	1 518	1 642	1 662
Belgium	2 556	1 495	1 479	1 836	1 484	1 284	1 390	1 324	1 265	1 400
Bulgaria	522	526	508	719	523	546	550	486	579	506
Cyprus	0	0	...	0	...	0	0	0	0	0
Czech Republic	2 296	2 248	2 595	2 698	2 693	2 674	2 619	2 729	2 854	2 643
Denmark	134	163	205	252	204	200	171	201	204	225
Estonia	34	27	27	26	35	36	32	30	29	31
Germany	7 871	5 657	6 921	7 139	7 322	6 859	7 094	7 148	7 047	7 071
Finland	537	285	431	466	299	137	188	188	195	211
France	2 872	1 832	2 346	2 653	2 500	2 499	2 482	2 416	2 395	2 493
Greece	578	568	645	1 137	818	634	505	537	595	786
Hungary	313	120	155	187	164	222	208	190	223	248
Ireland	23	21	17	28	35	29	37	41	57	46
Italy	6 254	4 043	4 275	4 845	5 050	5 251	5 642	5 569	6 125	6 270
Latvia	656	715	664	596	837	312	58	235	99	50
Lithuania	116	127	158	191	220	192	194	247	297	296
Luxembourg	3 886	1 890	2 290	2 760	2 296	2 073	2 221	2 194	2 178	2 198
Malta	0	0	0	0	...	0	0	0	0	0
Netherlands	1 179	706	804	986	862	666	697	738	881	985
Poland	2 329	2 129	2 476	2 681	2 990	2 760	2 488	2 528	2 568	2 790
Portugal	1 133	925	807	1 188	1 343	1 517	1 705	1 571	1 600	1 602
Romania	316	246	704	1 003	569	317	356	423	439	488
Slovak Republic	283	254	354	388	592	711	506	324	336	322
Slovenia	217	113	175	190	182	191	209	214	237	282
Spain	5 638	5 324	5 959	6 362	6 359	6 157	6 387	6 184	5 849	5 634
Sweden	775	384	577	642	569	492	511	486	499	551
United Kingdom	2 706	1 685	2 134	2 040	1 832	1 823	1 989	1 865	1 606	1 540
European Union (28)	44 383	32 509	38 038	42 398	40 712	38 524	39 697	39 386	39 801	40 330
Albania	...	...	...	6	1	61	35	23	1	2
Bosnia-Herzegovina	...	187	220	285	312	316	352	390	416	409
Croatia	34	...	...	7	8	16	59	54	55	24
Iceland	1	...	...	0	0	0	0	0	1	0
Macedonia	...	16	...	45	42	22	31	42	25	43
Montenegro	...	...	...	27	17	10	4	21	17	17
Norway	397	365	314	329	356	362	360	368	399	350
Serbia	26	17	15	26	24	35	30	29	23	48
Switzerland	791	434	614	665	645	670	640	666	663	721
Turkey	12 937	11 783	9 254	10 527	11 774	11 447	10 993	10 183	10 193	9 257
Other Europe	...	...	...	0	0	0	0	0	0	0
Other Europe	14 186	12 802	10 416	11 916	13 180	12 941	12 504	11 777	11 793	10 872
Byelorussia	1 162	1 233	1 071	1 117	1 217	1 222	1 287	1 428	1 550	1 496
Kazakhstan	56	54	56	41	44	61	133	114	133	170
Kyrgyzstan	...	...	...	11	9	8	6	2	0	0
Moldova	...	...	...	210	306	142	339	270	191	373
Russia	3 490	3 838	3 127	2 816	2 496	2 199	3 921	4 094	4 347	4 467
Ukraine	5 819	5 000	5 909	5 922	5 937	5 832	4 956	4 326	4 589	3 249
Other C.I.S.	13	7	66	102	83	114	127	52	34	30
C.I.S.	10 539	10 132	10 229	10 217	10 090	9 579	10 769	10 285	10 845	9 787

Table 33
(continued)

Exports of Long Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Canada	1 777	923	1 383	1 455	1 401	1 348	1 521	1 625	1 545	1 649
Cuba	...	...	...	6	34	6	1	8	...	...
Dominican Republic	...	...	...	85	39	30	39	40	26	34
Mexico	1 215	858	1 237	1 330	1 458	1 812	1 534	1 229	1 163	1 302
Trinidad and Tobago	...	...	...	170	163	101	129	56	3	0
United States	3 366	2 112	2 910	3 467	3 629	3 108	2 846	2 102	1 902	2 109
Other North America	...	...	...	4	21	25	40	266	106	150
North America	6 358	3 893	5 530	6 516	6 745	6 430	6 111	5 326	4 745	5 245
Argentina	162	100	222	217	332	284	168	86	69	97
Brazil	1 390	1 327	1 129	1 198	816	932	898	1 110	1 550	1 595
Chile	43	79	86	78	51	24	76	65	70	88
Colombia	25	13	11	7	10	5	4	3	6	11
Ecuador	...	...	...	13	6	8	6	5	13	10
Peru	125	126	131	124	152	155	168	156	203	196
Venezuela	90	...	44	94	46	1	1	...	10	1
Other South America	...	...	...	2	0	0	0	0	10	0
South America	1 836	1 644	1 622	1 733	1 413	1 409	1 321	1 424	1 930	1 999
Egypt	201	163	379	568	347	595	269	30	134	290
Libya	...	...	...	7	1	1	3	...	0	0
Morocco	...	...	...	65	44	7	0	0	11	27
South Africa	480	740	810	385	476	492	444	494	437	589
Other Africa	...	...	...	37	52	45	65	41	31	28
Africa	681	904	1 189	1 062	920	1 140	782	567	613	934
Iran	...	...	...	56	31	27	17	26	500	750
Israel	...	...	...	35	30	10	1	0	0	1
Oman	...	...	...	67	1	0	0	0	106	88
Qatar	...	...	...	341	8	0	0	0	225	239
Saudi Arabia	...	...	...	46	3	2	1	1	110	376
United Arab Emirates	...	...	...	431	39	97	207	184	855	667
Other Middle East	5	6	11	17	11	115	52	69	337	92
Middle East	5	6	11	992	122	251	278	280	2 133	2 212
China	18 427	5 527	9 153	11 597	17 565	23 512	38 327	52 351	49 482	21 956
Hong Kong	433	227	227	215	252	318	478	527	408	310
India	632	455	621	949	707	776	908	766	1 051	1 848
Indonesia	315	295	188	262	115	138	115	98	145	179
Japan	4 927	3 532	5 182	4 861	4 770	5 226	5 243	5 576	5 373	5 063
South Korea	2 978	3 620	3 658	3 819	3 449	3 613	3 836	3 421	3 436	3 488
Malaysia	673	758	717	625	493	390	387	378	426	431
Singapore	679	370	495	565	561	577	769	857	919	598
Taiwan, China	1 753	1 448	1 322	1 347	1 104	1 113	1 376	1 281	1 425	1 369
Thailand	651	622	770	875	832	889	872	768	771	790
Viet Nam	...	...	...	37	50	54	74	79	301	544
Other Asia	12	9	9	412	411	326	333	527	589	660
Asia	31 481	16 862	22 343	25 564	30 310	36 931	52 719	66 629	64 326	37 235
Australia	133	73	82	89	103	99	99	128	119	87
New Zealand	61	...	60	73	75	88	60	54	19	25
Other Oceania	...	...	...	21	0	0	0	0	0	0
Oceania	194	73	142	183	178	187	159	182	138	113
World	109 663	78 825	89 520	100 582	103 670	107 392	124 340	135 856	136 324	108 726

Table 34

Imports of Long Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	1 450	1 189	993	1 164	1 248	1 043	1 243	1 252	1 312	1 395
Belgium	2 815	1 679	1 792	2 034	1 579	1 435	1 576	1 534	1 790	1 833
Bulgaria	736	341	256	397	353	348	367	388	374	428
Cyprus	420	250	290	187	132	91	79	111	121	184
Czech Republic	1 357	965	1 092	1 351	1 436	1 324	1 160	1 320	1 306	1 420
Denmark	499	274	353	445	424	416	417	450	499	481
Estonia	128	60	75	92	81	82	89	77	131	150
Germany	7 366	5 017	6 467	6 915	6 265	6 088	6 896	6 941	7 435	7 454
Finland	545	321	424	463	436	420	456	437	508	546
France	4 119	2 744	3 193	3 272	3 028	2 964	2 973	2 876	3 086	3 344
Greece	544	364	279	239	185	201	235	226	247	245
Hungary	773	419	532	580	524	550	573	688	770	828
Ireland	517	207	236	207	229	220	258	352	367	411
Italy	3 240	1 887	2 540	2 791	2 124	2 187	2 381	2 717	2 679	2 898
Latvia	155	64	98	118	173	170	173	131	127	150
Lithuania	377	226	324	391	437	445	481	526	674	627
Luxembourg	250	150	157	175	246	237	233	283	270	267
Malta	42	37	46	26	26	21	30	31	33	33
Netherlands	2 875	2 039	2 505	2 946	2 594	2 024	2 271	2 096	3 047	3 232
Poland	1 827	982	1 311	1 554	1 493	1 674	2 183	2 129	2 148	2 384
Portugal	1 153	742	763	577	519	706	641	623	645	771
Romania	1 380	789	907	1 041	1 052	1 031	1 153	1 389	1 416	1 490
Slovak Republic	865	617	809	838	721	826	819	823	920	904
Slovenia	464	310	305	309	299	286	318	331	349	351
Spain	2 065	1 301	1 212	1 221	959	953	1 055	1 143	1 174	1 308
Sweden	983	626	836	907	812	804	880	916	909	923
United Kingdom	2 239	1 058	1 527	1 696	1 772	1 895	2 313	2 189	2 055	2 132
European Union (28)	39 182	24 659	29 323	31 935	29 145	28 443	31 251	31 979	34 391	36 188
Albania	...	...	...	177	178	112	93	149	185	121
Bosnia-Herzegovina	...	...	...	87	78	103	100	121	142	164
Croatia	442	...	...	281	274	219	258	280	307	330
Iceland	50	...	...	20	20	60	23	26	38	35
Macedonia	...	...	...	77	83	111	93	126	151	119
Montenegro	...	...	...	7	11	10	10	43	56	70
Norway	324	239	276	337	308	320	338	308	349	332
Serbia	508	329	209	218	279	243	292	283	322	334
Switzerland	1 083	908	1 001	1 048	1 116	1 144	1 155	1 106	1 265	1 270
Turkey	984	766	1 184	1 347	1 301	1 456	1 443	1 558	1 662	1 440
Other Europe	...	...	...	75	70	70	71	144	68	104
Other Europe	3 390	2 242	2 669	3 674	3 719	3 846	3 876	4 142	4 545	4 319
Armenia	...	...	...	53	47	49	48	37	47	48
Azerbaijan	...	...	...	399	429	540	534	327	183	162
Byelorussia	588	460	617	565	688	740	641	500	491	602
Georgia	...	...	...	141	149	152	187	207	208	150
Kazakhstan	864	837	594	98	158	194	111	55	55	51
Kyrgyzstan	...	...	...	64	107	134	152	130	139	137
Moldova	...	...	...	71	54	83	72	71	89	67
Russia	1 645	837	1 365	2 094	2 611	2 768	2 270	1 232	1 081	1 700
Tajikistan	...	...	...	61	95	133	153	244	168	151
Turkmenistan	...	...	...	273	455	541	575	516	333	112
Ukraine	498	218	402	447	417	371	284	207	312	480
Uzbekistan	...	...	...	134	151	193	214	183	203	338
C.I.S.	3 595	2 353	2 978	4 400	5 358	5 898	5 240	3 710	3 307	3 997

Table 34
(continued) **Imports of Long Products**

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Canada	2 519	1 791	2 605	2 660	3 074	2 672	3 021	2 539	2 589	2 758
Costa Rica	127	38	28	63	54	91	127	158	163	143
Cuba	49	50	51	65	60	62	37	86	57	54
Dominican Republic	110	88	94	95	97	132	143	252	193	258
El Salvador	...	...	...	25	39	57	68	114	138	84
Guatemala	126	83	80	87	96	169	279	538	477	253
Honduras	...	...	...	25	41	62	72	85	107	67
Jamaica	124	54	53	62	104	80	122	141	111	150
Mexico	1 180	851	1 152	1 465	1 647	1 524	1 572	1 815	1 615	1 803
Nicaragua	...	...	...	21	32	25	44	74	125	78
Panama	197	191	249	315	261	437	425	361	380	277
Trinidad and Tobago	71	60	58	55	61	93	133	124	139	126
United States	4 631	3 195	4 569	4 568	4 979	5 418	7 147	7 567	7 238	6 864
Other North America	...	...	...	87	82	81	98	183	192	211
North America	9 135	6 400	8 939	9 593	10 626	10 902	13 288	14 035	13 523	13 126
Argentina	263	168	397	381	341	334	318	389	228	330
Bolivia	...	...	...	281	277	335	364	359	451	396
Brazil	711	568	1 440	1 046	1 298	1 329	1 358	1 072	580	550
Chile	531	160	581	371	443	472	393	487	437	418
Colombia	407	352	346	496	730	922	946	1 189	1 060	843
Ecuador	164	160	145	230	221	251	259	214	215	137
Paraguay	...	...	...	103	75	152	163	112	123	129
Peru	592	368	553	663	695	672	752	808	820	694
Uruguay	...	...	...	75	44	56	73	91	45	46
Venezuela	110	...	91	132	324	170	153	218	67	19
Other South America	...	...	...	20	32	33	32	50	39	42
South America	2 778	1 776	3 552	3 800	4 481	4 727	4 810	4 989	4 066	3 604
Algeria	3 001	3 504	2 581	3 193	3 732	3 936	4 480	4 460	3 502	1 445
Cameroon	92	85	90	83	120	88	161	195	135	83
Egypt	330	3 089	1 015	584	784	446	1 533	2 538	2 761	552
Ghana	259	237	241	410	342	338	403	409	397	273
Ivory Coast	76	78	105	80	89	140	156	180	205	218
Kenya	125	153	129	231	153	249	416	597	493	280
Libya	271	1 044	660	103	528	574	370	111	74	26
Morocco	384	443	345	468	537	644	685	652	627	561
Nigeria	449	606	355	502	586	553	447	417	324	80
Senegal	153	218	250	304	269	222	280	290	379	347
South Africa	215	106	190	414	281	335	265	349	330	236
Sudan	84	103	43	63	49	58	57	164	193	85
Tanzania	101	143	130	159	137	215	201	222	154	145
Tunisia	534	246	258	299	212	201	261	255	342	271
Other Africa	29	29	23	1 798	2 244	2 449	2 535	2 830	2 289	1 615
Africa	6 103	10 086	6 414	8 692	10 064	10 448	12 249	13 669	12 208	6 218
Bahrain	309	26	37	51	46	34	28	61	304	367
Iran	1 725	2 117	1 875	1 633	650	679	829	592	551	452
Iraq	700	1 490	1 468	1 894	2 614	2 927	1 993	1 620	1 395	1 213
Israel	533	579	680	901	1 025	1 236	1 468	1 667	1 943	1 868
Jordan	654	418	377	371	417	232	236	339	254	179
Kuwait	239	151	310	251	176	164	255	325	352	135
Lebanon	657	848	685	708	871	1 079	1 195	878	1 175	846
Oman	136	70	100	193	113	148	459	547	521	121
Qatar	591	38	24	55	85	45	74	102	172	138
Saudi Arabia	1 487	1 116	1 376	1 553	2 147	1 604	1 531	2 092	2 422	1 132
Syria	667	745	365	371	128	51	120	167	137	139
United Arab Emirates	7 999	2 359	2 280	2 648	2 249	1 908	2 360	2 502	2 374	834
Yemen	517	666	379	274	549	727	747	327	659	765
Other Middle East	0	...	1	...	...	...	0	2	0	0
Middle East	16 215	10 624	9 957	10 902	11 071	10 833	11 295	11 221	12 258	8 190

Table 34
(continued)

Imports of Long Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Bangladesh	27	155	67	109	96	105	210	1 407	670	235
China	1 560	1 666	1 965	1 812	1 531	1 723	1 835	1 593	1 699	1 789
Hong Kong	1 307	798	1 163	1 333	1 600	2 032	2 571	2 695	2 387	2 156
India	714	668	1 008	904	963	881	1 626	2 015	1 423	1 062
Indonesia	1 195	763	1 128	1 251	1 824	2 099	1 907	1 775	1 798	1 564
Japan	647	587	742	909	979	963	1 154	970	988	1 002
D.P.R. Korea (e)	...	...	...	41	56	52	71	106	86	33
South Korea	5 549	2 962	4 310	4 492	4 685	4 854	5 489	6 042	6 170	5 230
Malaysia	985	796	1 154	1 196	1 612	2 114	2 958	3 454	3 791	2 065
Myanmar	171	471	445	420	575	776	1 352	1 475	1 311	1 118
Pakistan	151	214	137	145	160	169	400	684	743	535
Philippines	402	691	640	629	257	334	3 175	4 146	3 305	2 273
Singapore	2 160	1 532	1 555	2 144	2 390	2 987	2 814	3 274	2 492	2 093
Sri Lanka	100	124	153	161	153	130	196	449	508	230
Taiwan, China	1 256	419	906	923	867	1 143	1 230	1 067	1 166	1 143
Thailand	1 554	965	1 532	1 669	2 109	2 475	2 787	2 623	2 899	2 384
Viet Nam	3 861	1 234	1 248	1 142	1 271	1 733	2 485	4 130	3 798	1 858
Other Asia	435	...	432	704	919	1 045	974	1 819	1 483	1 737
Asia	22 073	14 044	18 584	19 983	22 047	25 616	33 236	39 723	36 715	28 505
Australia	874	624	856	833	848	730	855	806	914	1 126
New Zealand	164	112	154	119	114	130	138	164	167	172
Other Oceania	76	62	66	55	55	56	62	148	78	68
Oceania	1 113	798	1 076	1 007	1 017	916	1 054	1 117	1 160	1 366
World	103 585	72 983	83 492	93 985	97 529	101 630	116 299	124 586	122 172	105 514

Table 35

Exports of Flat Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	4 418	3 602	4 089	4 483	4 383	4 573	4 732	4 978	4 812	5 199
Belgium	17 009	10 616	12 777	13 706	12 260	11 923	12 234	13 394	14 608	15 789
Bulgaria	568	284	283	357	328	272	314	267	242	307
Cyprus	0	0	0	0	0	0	0	...	0	0
Czech Republic	1 301	844	1 010	1 116	959	1 107	965	1 011	1 186	1 011
Denmark	859	405	554	604	475	499	514	569	643	662
Estonia	235	79	162	230	143	54	63	57	63	82
Germany	14 714	10 522	12 880	12 748	13 382	12 650	12 993	13 481	13 723	14 695
Finland	1 142	799	1 155	1 213	1 291	1 356	1 491	1 549	1 707	1 742
France	9 870	7 372	8 937	8 261	8 760	9 565	10 395	10 102	9 953	10 568
Greece	187	133	146	167	127	135	180	86	88	90
Hungary	885	624	1 031	1 128	1 365	1 347	1 216	1 087	976	1 461
Ireland	13	14	8	7	6	8	11	12	21	21
Italy	6 720	5 070	6 744	7 664	8 341	7 225	7 142	6 698	7 316	7 238
Latvia	172	122	198	189	206	225	276	272	322	350
Lithuania	66	33	28	36	36	35	41	44	38	38
Luxembourg	724	545	744	631	534	619	756	682	705	677
Malta	...	0	...	0	...	...	...	0	0	0
Netherlands	7 310	5 817	7 090	7 367	7 155	6 912	7 817	8 481	8 080	8 278
Poland	1 076	895	883	970	1 333	1 319	1 307	1 358	1 574	2 253
Portugal	189	210	216	227	227	295	337	392	431	443
Romania	2 062	1 407	1 531	1 275	1 312	1 191	1 125	1 448	1 444	1 420
Slovak Republic	3 342	2 787	3 322	3 434	3 398	3 602	3 736	3 597	3 894	3 881
Slovenia	503	382	444	541	559	538	571	707	700	744
Spain	2 550	2 021	2 767	2 452	2 068	1 888	2 268	2 453	2 409	2 033
Sweden	2 862	1 819	2 612	2 714	2 294	2 270	2 371	2 426	2 849	2 975
United Kingdom	2 051	1 742	2 162	2 366	1 728	2 429	2 426	2 118	1 512	1 805
European Union (28)	80 828	58 145	71 772	73 886	72 670	72 038	75 282	77 271	79 295	83 765
Macedonia	...	112	...	450	321	237	290	286	321	363
Norway	157	64	70	77	77	70	67	69	74	67
Serbia	1 333	872	1 221	953	252	277	418	717	849	973
Switzerland	179	121	143	154	131	114	113	113	94	100
Turkey	1 368	1 648	1 520	2 299	1 863	2 379	2 501	2 437	3 093	4 293
Other Europe	19	2	2	15	17	20	25	26	33	23
Other Europe	3 055	2 819	2 955	3 948	2 661	3 098	3 414	3 649	4 464	5 819
Byelorussia	8	4	5	5	9	28	21	12	16	18
Kazakhstan	2 481	2 564	1 918	1 658	823	837	1 090	1 255	1 692	1 009
Russia	7 732	9 164	8 170	7 830	7 669	7 017	8 341	9 041	9 712	9 378
Ukraine	8 249	6 061	6 565	7 561	6 562	6 752	6 275	4 940	5 298	4 968
Other C.I.S.	3	1	1	3	3	1	5	2	4	3
C.I.S.	18 473	17 793	16 658	17 057	15 066	14 635	15 733	15 251	16 721	15 377
Canada	3 525	2 374	2 855	2 761	2 957	3 037	3 256	3 207	3 409	3 581
Mexico	751	1 159	1 358	1 399	1 099	1 308	1 255	1 007	1 126	1 130
United States	6 212	4 998	6 490	6 807	6 734	6 591	6 545	6 049	5 868	6 588
Other North America	...	...	...	5	4	4	12	206	70	186
North America	10 488	8 532	10 702	10 973	10 794	10 940	11 069	10 470	10 473	11 485
Argentina	239	439	277	186	190	177	188	144	158	79
Brazil	1 756	2 406	2 353	2 183	1 960	1 513	2 146	3 518	3 111	3 431
Chile	15	17	16	15	11	12	11	8	9	8
Colombia	135	134	138	114	92	77	75	39	46	53
Venezuela	520	...	142	581	98	80	19	72	21	0
Other South America	1	9	5	13	11	6	5	8	5	4
South America	2 665	3 006	2 931	3 091	2 361	1 865	2 445	3 789	3 350	3 574

Table 35
(continued)

Exports of Flat Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Egypt	877	743	776	777	474	1 141	770	135	437	950
Libya	...	...	...	54	10	7	...	0	2	17
Morocco	...	...	...	100	88	77	43	31	95	126
South Africa	1 427	1 546	1 830	1 813	1 477	1 221	1 630	1 360	1 490	1 384
Other Africa	...	...	...	123	65	49	36	14	4	5
Africa	2 304	2 290	2 606	2 867	2 114	2 495	2 479	1 540	2 028	2 481
Iran	...	...	...	205	225	248	695	1 179	1 631	627
Qatar	...	...	...	34	3	0	0	0	1	0
Saudi Arabia	...	...	...	544	85	88	32	61	651	418
United Arab Emirates	...	...	...	329	75	48	80	58	1 559	909
Other Middle East	8	11	15	37	16	3	3	2	12	22
Middle East	8	11	15	1 149	404	387	811	1 299	3 853	1 977
China	28 800	11 843	24 812	26 585	26 966	27 642	43 671	48 465	48 127	43 239
Hong Kong	1 448	971	1 180	1 002	881	742	769	595	557	506
India	3 430	2 747	3 097	4 985	4 445	6 369	5 899	4 373	5 791	9 749
Indonesia	893	541	539	507	255	147	448	487	552	927
Japan	24 327	21 804	29 423	27 741	28 136	28 504	27 783	28 589	28 812	26 119
South Korea	14 800	14 945	17 547	20 609	21 625	20 800	23 132	24 831	24 430	23 611
Malaysia	810	533	524	487	391	350	428	495	596	710
Singapore	991	769	866	1 120	1 059	1 068	800	504	494	473
Taiwan, China	7 222	7 414	7 728	8 297	8 587	9 251	9 683	9 229	9 709	9 834
Thailand	1 289	593	482	278	249	251	243	211	297	428
Viet Nam	...	...	...	819	796	915	1 097	1 154	1 869	2 326
Other Asia	4	488	892	536	670	457	443	439	407	369
Asia	84 014	62 649	87 090	92 967	94 060	96 497	114 396	119 372	121 642	118 293
Australia	1 173	754	1 491	1 187	443	438	447	579	529	809
New Zealand	280	...	331	361	327	368	208	273	159	161
Other Oceania	...	...	...	0	0	0	0	0	0	0
Oceania	1 453	754	1 821	1 549	770	806	655	852	688	970
World	203 288	155 999	196 551	207 487	200 899	202 761	226 284	233 494	242 514	243 741

Table 36

Imports of Flat Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	1 995	1 510	1 687	2 006	1 840	1 718	1 806	1 933	2 017	2 205
Belgium	8 644	5 390	6 472	7 674	5 921	6 472	6 805	7 809	8 710	9 359
Bulgaria	531	325	434	622	613	659	649	808	845	888
Cyprus	51	40	42	36	23	25	23	27	26	25
Czech Republic	3 630	2 511	3 368	3 633	3 715	3 665	3 766	3 844	3 991	4 311
Denmark	1 450	742	836	1 120	1 109	1 063	1 037	1 106	1 102	1 088
Estonia	483	193	355	456	357	283	293	281	328	376
Germany	14 242	9 671	12 398	13 140	12 527	12 353	13 009	13 716	14 787	14 955
Finland	595	332	451	501	453	441	398	367	391	419
France	9 617	6 352	7 900	8 005	7 082	7 197	7 350	7 386	7 813	8 436
Greece	1 698	1 094	1 025	1 022	822	853	907	823	1 026	1 006
Hungary	1 023	477	790	863	872	1 008	1 113	1 136	1 330	1 550
Ireland	277	132	151	166	164	166	197	208	219	231
Italy	12 402	7 282	9 402	10 068	7 748	9 376	10 165	12 491	12 206	12 147
Latvia	359	177	304	320	351	389	459	457	608	473
Lithuania	281	164	166	207	204	222	234	240	247	279
Luxembourg	845	628	781	710	648	742	773	730	786	754
Malta	8	6	7	5	4	6	6	5	5	5
Netherlands	3 963	2 679	3 213	3 258	3 153	3 055	3 247	3 343	3 665	3 972
Poland	4 902	3 663	4 446	5 057	5 115	5 085	5 855	6 153	6 837	6 977
Portugal	1 609	1 128	1 440	1 325	1 242	1 618	1 706	1 919	1 969	2 085
Romania	1 169	950	1 152	1 239	1 240	1 217	1 390	1 389	1 481	1 659
Slovak Republic	1 172	740	1 094	1 157	1 163	1 367	1 436	1 544	1 699	1 779
Slovenia	920	672	719	809	724	727	780	947	991	1 054
Spain	6 929	4 100	5 949	5 925	5 265	5 254	5 598	6 315	6 513	7 028
Sweden	2 250	1 392	2 038	2 286	2 065	1 889	1 718	1 586	1 957	2 210
United Kingdom	3 876	2 362	3 161	3 539	3 536	3 107	3 680	3 615	4 084	4 137
European Union (28)	84 919	54 714	69 779	75 149	67 957	69 959	74 401	80 177	85 633	89 410
Albania	...	...	...	59	59	47	51	72	61	76
Bosnia-Herzegovina	...	...	...	185	173	137	129	151	206	216
Croatia	568	...	...	327	298	309	321	382	416	369
Iceland	12	...	...	9	10	29	10	14	13	12
Macedonia	...	...	...	229	212	181	206	311	427	339
Montenegro	...	...	...	7	5	11	10	15	12	46
Norway	591	337	381	409	396	331	347	309	326	318
Serbia	253	165	113	131	238	297	294	298	233	304
Switzerland	1 180	762	1 069	1 165	1 051	1 027	1 040	961	974	995
Turkey	8 007	5 580	6 833	6 428	6 446	7 117	6 730	8 608	8 666	9 017
Other Europe	...	...	...	42	41	40	37	50	39	36
Other Europe	10 611	6 844	8 395	8 991	8 930	9 525	9 174	11 169	11 372	11 729
Armenia	...	...	...	22	22	23	26	20	26	35
Azerbaijan	...	...	...	184	271	367	380	238	248	240
Byelorussia	1 118	759	1 105	1 107	1 175	1 151	922	732	782	879
Georgia	...	...	...	109	148	132	162	125	155	185
Kazakhstan	244	231	165	126	205	182	469	175	184	201
Kyrgyzstan	...	...	...	85	115	140	141	103	96	86
Moldova	...	...	...	37	37	40	46	45	50	52
Russia	3 107	2 182	2 594	3 437	3 432	2 950	3 391	2 664	2 785	3 913
Tajikistan	...	...	...	40	68	98	99	111	116	119
Turkmenistan	...	...	...	23	31	48	46	37	34	27
Ukraine	1 393	498	830	934	1 007	1 209	785	530	727	796
Uzbekistan	...	...	...	379	479	621	716	624	597	799
C.I.S.	5 862	3 669	4 693	6 482	6 989	6 962	7 182	5 404	5 802	7 331

Table 36
(continued)

Imports of Flat Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Canada	3 348	2 909	4 258	3 934	3 853	3 912	4 546	3 630	3 744	3 802
Costa Rica	295	149	245	265	265	273	289	293	348	340
Cuba	56	59	96	130	79	98	71	155	96	102
Dominican Republic	108	68	170	146	127	158	155	219	170	228
El Salvador	...	...	...	144	137	183	157	194	215	224
Guatemala	198	141	275	344	257	316	297	350	335	372
Honduras	...	...	...	109	164	126	159	204	184	291
Jamaica	19	9	11	9	14	16	12	11	15	20
Mexico	4 533	3 106	4 714	4 537	5 854	5 437	6 118	6 773	6 826	8 131
Nicaragua	...	...	...	48	60	39	62	86	89	71
Panama	94	104	135	122	95	167	160	160	137	181
Trinidad and Tobago	73	49	59	48	63	57	69	66	51	62
United States	7 996	5 661	7 561	8 753	10 179	9 824	15 640	14 734	12 687	12 545
Other North America	...	...	...	32	42	42	41	46	54	70
North America	16 718	12 255	17 526	18 620	21 189	20 647	27 777	26 922	24 952	26 441
Argentina	455	250	422	492	518	400	396	627	371	632
Bolivia	...	...	...	51	64	48	58	31	35	70
Brazil	1 569	1 546	4 134	2 358	2 101	1 989	2 315	1 839	904	1 529
Chile	735	392	1 001	831	1 082	1 009	1 174	1 253	1 190	1 314
Colombia	1 107	812	1 239	1 265	1 356	1 193	1 536	1 304	1 313	1 267
Ecuador	401	221	534	618	628	722	713	689	602	850
Paraguay	...	...	...	156	76	122	186	180	186	226
Peru	554	339	789	681	854	682	839	781	890	794
Uruguay	...	...	...	88	64	111	102	95	81	98
Venezuela	136	...	204	201	388	280	311	293	78	29
Other South America	...	...	...	33	28	38	33	36	28	31
South America	4 957	3 561	8 322	6 774	7 158	6 593	7 662	7 128	5 678	6 841
Algeria	470	290	344	459	678	709	956	1 065	862	936
Cameroon	25	22	30	40	44	56	55	55	68	61
Egypt	870	422	813	668	901	855	1 212	1 375	1 633	1 808
Ghana	137	105	195	297	279	298	282	328	320	308
Ivory Coast	82	61	93	106	105	111	124	152	179	170
Kenya	452	103	535	819	623	826	712	850	845	836
Libya	42	22	45	8	92	185	130	116	55	28
Morocco	659	146	377	332	299	347	350	470	308	381
Nigeria	785	681	748	984	922	1 206	1 069	939	740	737
Senegal	36	36	80	87	76	77	84	101	105	97
South Africa	405	412	524	587	646	1 088	850	1 149	912	786
Sudan	154	110	183	205	240	205	199	279	314	338
Tanzania	135	43	180	258	248	339	310	382	337	338
Tunisia	326	163	395	378	299	318	292	272	265	294
Other Africa	16	11	13	1 214	1 282	1 526	1 605	1 727	1 724	1 652
Africa	4 594	2 623	4 555	6 441	6 735	8 146	8 231	9 258	8 671	8 771
Bahrain	56	25	101	65	52	29	25	37	65	97
Iran	2 388	1 993	3 709	3 980	2 049	1 728	3 024	4 140	3 533	2 280
Iraq	16	47	111	180	313	433	442	478	548	546
Israel	531	382	674	680	714	804	676	784	808	777
Jordan	325	206	378	281	367	235	269	256	415	331
Kuwait	248	86	280	334	243	200	234	321	302	276
Lebanon	288	200	422	353	284	248	259	289	303	303
Oman	136	51	160	176	257	183	247	292	391	422
Qatar	57	39	33	59	49	75	79	100	140	178
Saudi Arabia	1 826	762	1 696	2 056	2 557	2 056	2 736	2 815	2 646	2 110
Syria	765	437	631	616	210	56	84	86	77	110
United Arab Emirates	2 380	1 026	2 045	2 108	2 371	2 151	2 684	2 772	3 004	3 255
Yemen	59	78	86	62	82	90	116	62	115	100
Other Middle East	1	...	0	...	...	...	...	1	0	0
Middle East	9 077	5 332	10 325	10 950	9 548	8 288	10 873	12 432	12 348	10 785

Table 36
(continued)

Imports of Flat Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Bangladesh	586	489	1 161	1 078	1 118	1 265	1 507	2 020	2 394	2 177
China	12 733	15 275	13 921	13 202	11 666	11 885	12 082	10 774	11 081	11 062
Hong Kong	2 200	1 558	1 740	1 336	1 140	1 052	996	762	715	694
India	5 128	6 434	7 289	6 896	6 868	5 648	6 744	9 829	7 119	6 573
Indonesia	3 521	2 280	3 261	4 327	5 117	5 231	4 556	4 336	4 745	5 136
Japan	3 425	2 180	3 339	4 097	4 100	3 908	4 884	4 423	4 474	4 653
D.P.R. Korea (e)	...	...	...	55	50	61	79	96	131	116
South Korea	16 108	11 317	13 476	13 147	11 983	10 783	12 861	11 784	12 832	10 962
Malaysia	2 922	2 432	3 120	2 951	3 187	3 463	3 563	3 748	4 371	4 486
Myanmar	120	202	246	326	342	412	600	674	789	620
Pakistan	905	959	1 432	1 282	1 663	1 690	1 926	2 456	3 321	3 084
Philippines	869	1 182	2 014	2 277	944	1 118	2 926	2 752	2 691	2 710
Singapore	2 160	1 404	1 717	2 269	1 938	2 172	1 728	1 206	1 216	996
Sri Lanka	104	97	140	151	181	176	219	260	323	343
Taiwan, China	2 544	1 714	2 782	2 397	2 467	2 902	3 350	2 827	2 837	2 565
Thailand	6 195	3 845	6 307	6 836	8 428	9 029	8 347	8 135	8 970	8 415
Viet Nam	4 804	2 558	5 668	5 603	5 738	7 526	9 090	11 100	14 562	13 588
Other Asia	221	...	286	701	784	634	999	1 625	1 152	1 214
Asia	64 546	53 927	67 897	68 931	67 712	68 956	76 456	78 805	83 722	79 396
Australia	1 261	744	993	896	980	629	808	714	634	671
New Zealand	156	94	118	122	129	142	145	138	148	132
Other Oceania	60	48	31	37	39	44	34	89	85	67
Oceania	1 477	887	1 141	1 054	1 147	816	987	941	867	870
World	202 762	143 812	192 634	203 393	197 366	199 892	222 742	232 236	239 046	241 573

Table 37

Exports of Tubular Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	830	515	674	830	777	759	802	657	591	764
Belgium	703	390	372	406	340	344	310	274	335	349
Bulgaria	117	84	74	91	101	103	119	171	226	522
Cyprus	0	0	0	0	1	1	1	1	0	4
Czech Republic	577	403	506	541	562	566	628	577	539	562
Denmark	80	67	75	94	91	68	83	141	74	68
Estonia	22	10	11	14	13	13	16	14	15	21
Germany	3 544	2 769	3 222	4 256	3 298	2 700	2 509	2 419	2 675	2 528
Finland	61	45	622	952	51	30	34	33	31	32
France	1 362	828	927	1 213	995	880	723	584	417	436
Greece	377	256	234	297	208	158	180	323	194	235
Hungary	90	74	98	108	146	168	137	125	128	141
Ireland	8	6	8	8	9	10	14	17	40	22
Italy	3 587	2 816	3 114	3 451	3 441	3 209	3 533	3 411	3 573	3 548
Latvia	57	24	27	38	30	47	58	62	62	56
Lithuania	23	14	12	20	21	25	27	31	37	44
Luxembourg	2	1	1	1	1	1	1	2	2	4
Malta	0	0	0	0	0	0	1	0	0	7
Netherlands	646	614	564	669	522	495	526	593	493	618
Poland	324	272	301	321	366	349	386	398	421	447
Portugal	84	94	118	112	119	156	170	202	200	208
Romania	561	309	497	592	584	586	652	593	528	623
Slovak Republic	366	226	249	287	313	292	325	284	296	301
Slovenia	87	62	33	48	20	14	22	20	22	32
Spain	704	480	632	740	727	719	738	602	621	746
Sweden	270	161	202	1 432	709	116	113	99	94	92
United Kingdom	714	681	540	637	690	546	547	538	552	455
European Union (28)	15 196	11 202	13 113	17 157	14 138	12 355	12 653	12 169	12 169	12 862
Macedonia	...	62	...	127	120	113	110	124	167	189
Norway	61	49	53	41	61	43	63	49	56	49
Serbia	51	44	24	21	19	26	29	30	45	58
Switzerland	259	176	224	247	234	226	231	250	240	239
Turkey	1 682	1 523	1 664	1 651	1 900	1 851	1 864	1 354	1 724	1 868
Other Europe	56	33	70	117	52	37	18	19	32	28
Other Europe	2 108	1 886	2 035	2 204	2 387	2 296	2 313	1 827	2 264	2 431
Azerbaijan	...	...	...	89	46	49	31	11	7	44
Byelorussia	174	111	189	234	229	236	228	206	204	234
Kazakhstan	174	65	55	38	40	31	57	46	10	7
Russia	1 164	1 304	754	906	972	625	1 618	1 231	1 307	2 156
Ukraine	1 808	1 381	1 291	1 648	1 536	1 177	966	600	508	632
Other C.I.S.	6	5	4	12	10	33	27	24	8	7
C.I.S.	3 326	2 866	2 293	2 928	2 832	2 153	2 927	2 118	2 044	3 079
Canada	816	754	979	1 032	1 121	1 058	1 028	994	735	966
Mexico	841	562	795	914	969	1 104	1 238	896	1 018	1 652
United States	1 376	1 398	1 601	1 823	2 108	2 087	1 947	1 369	1 070	1 268
Other North America	...	...	...	19	23	24	21	25	136	84
North America	3 033	2 714	3 375	3 787	4 221	4 273	4 235	3 285	2 958	3 970
Argentina	812	465	573	651	596	497	507	166	191	432
Brazil	263	218	200	244	235	335	410	346	275	520
Chile	18	7	13	21	18	11	5	6	4	10
Colombia	102	41	49	65	76	32	21	20	13	25
Venezuela	55	...	3	1	0	0	0	0	0	0
Other South America	1	1	2	34	37	47	47	38	56	63
South America	1 252	732	840	1 015	962	922	990	576	539	1 050

Table 37
(continued)

Exports of Tubular Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
South Africa	174	106	138	148	137	131	178	166	109	201
Other Africa	37	12	4	101	64	87	66	25	25	24
Africa	210	118	142	249	201	219	244	191	134	225
Iran	...	...	...	1	2	3	0	1	128	114
Qatar	...	...	...	9	2	0	0	0	0	0
Saudi Arabia	...	...	...	99	94	86	60	61	358	312
United Arab Emirates	...	...	...	132	101	111	143	185	266	321
Other Middle East	5	9	10	176	92	96	92	52	84	119
Middle East	5	9	10	417	290	296	297	298	836	865
China	7 210	6 299	7 271	9 401	9 931	10 061	10 504	10 286	10 102	9 241
Hong Kong	35	27	22	27	32	27	33	29	23	23
India	1 839	1 476	2 235	2 047	1 989	1 430	1 463	1 215	1 345	1 602
Indonesia	267	262	490	477	527	368	465	782	150	286
Japan	2 814	2 061	2 825	2 802	2 937	2 715	2 894	1 745	1 730	1 915
South Korea	1 224	1 220	2 122	2 617	3 070	3 085	3 975	2 352	2 301	3 260
Malaysia	545	970	476	702	817	717	1 163	812	280	508
Singapore	700	504	509	571	569	555	463	303	248	336
Taiwan, China	503	321	478	534	504	505	578	452	430	620
Thailand	346	217	295	277	362	297	276	255	256	362
Viet Nam	...	...	...	161	348	329	223	234	362	507
Other Asia	84	72	155	614	662	507	435	212	237	308
Asia	15 566	13 428	16 878	20 230	21 748	20 597	22 472	18 677	17 464	18 969
Australia	79	43	40	38	45	38	45	61	65	39
New Zealand	7	...	6	5	6	7	5	4	7	3
Other Oceania	...	...	...	0	0	0	0	0	0	0
Oceania	86	43	46	43	51	45	50	66	71	43
World	40 783	32 999	38 732	48 031	46 830	43 156	46 179	39 206	38 480	43 494

Table 38

Imports of Tubular Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	443	464	364	441	366	366	328	327	316	327
Belgium	883	553	580	630	531	502	492	476	514	673
Bulgaria	92	50	53	59	67	75	504	144	254	86
Cyprus	19	14	9	7	7	14	6	6	7	42
Czech Republic	428	286	367	490	394	419	483	533	513	553
Denmark	263	177	206	258	276	201	219	223	223	244
Estonia	77	37	62	71	68	62	69	60	80	81
Germany	2 351	1 595	1 989	2 333	2 022	1 903	2 026	2 026	2 257	2 185
Finland	234	233	504	412	147	139	146	141	142	985
France	1 244	943	1 146	1 270	1 186	1 153	1 111	1 088	1 150	1 251
Greece	139	79	46	35	43	59	82	72	133	106
Hungary	255	153	174	167	154	173	182	196	219	246
Ireland	128	53	64	62	59	57	76	86	86	104
Italy	1 194	636	699	863	728	742	802	780	765	969
Latvia	60	30	47	57	54	80	72	62	60	71
Lithuania	85	43	58	80	86	91	122	116	119	148
Luxembourg	11	7	6	9	7	8	6	8	10	9
Malta	3	2	3	2	2	3	3	7	3	3
Netherlands	838	636	650	782	742	649	681	592	638	778
Poland	616	372	471	564	616	591	621	634	744	885
Portugal	163	153	109	99	94	108	121	121	119	141
Romania	311	211	218	271	259	258	309	310	338	384
Slovak Republic	191	117	156	173	168	176	217	225	220	222
Slovenia	100	74	82	110	77	77	82	92	99	103
Spain	780	463	450	436	337	366	445	506	489	530
Sweden	437	610	761	1 134	681	287	328	287	313	343
United Kingdom	1 090	661	789	957	902	777	944	906	988	1 030
European Union (28)	12 436	8 651	10 062	11 772	10 076	9 335	10 477	10 024	10 797	12 498
Albania	...	...	...	22	19	22	29	17	125	53
Bosnia-Herzegovina	...	...	...	21	18	24	33	38	61	68
Croatia	101	...	...	63	68	81	81	92	107	103
Iceland	24	...	...	4	6	15	5	9	11	10
Macedonia	...	...	...	4	4	3	5	12	8	11
Montenegro	...	...	...	3	2	4	4	6	7	9
Norway	246	312	181	268	282	283	711	360	306	467
Serbia	86	48	70	79	92	75	78	77	79	84
Switzerland	189	147	157	167	167	178	183	197	198	197
Turkey	335	234	309	356	375	435	422	542	502	503
Other Europe	...	...	...	5	8	16	14	10	12	8
Other Europe	981	741	717	992	1 041	1 135	1 565	1 359	1 414	1 513
Armenia	...	...	...	3	11	4	6	14	17	20
Azerbaijan	...	...	...	219	276	275	218	261	121	132
Byelorussia	316	248	334	280	319	327	282	237	230	264
Georgia	...	...	...	56	70	63	89	71	88	97
Kazakhstan	1 162	1 201	366	334	509	609	701	271	201	147
Kyrgyzstan	...	...	...	33	43	47	50	68	52	54
Moldova	...	...	...	29	26	35	39	33	27	30
Russia	944	553	1 247	1 611	814	807	739	439	550	780
Tajikistan	...	...	...	10	9	13	23	20	24	10
Turkmenistan	...	...	...	277	534	238	363	244	180	93
Ukraine	110	41	65	85	85	98	60	49	71	94
Uzbekistan	...	...	...	104	177	335	209	95	81	195
C.I.S.	2 531	2 042	2 011	3 041	2 872	2 850	2 776	1 802	1 643	1 916

Table 38
(continued)

Imports of Tubular Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Canada	1 308	1 294	1 796	1 998	2 203	2 003	2 140	1 562	1 128	1 656
Costa Rica	12	15	21	24	21	30	28	41	91	71
Cuba	31	20	26	18	28	24	21	29	33	18
Dominican Republic	13	9	25	27	16	17	25	50	38	40
El Salvador	...	...	...	4	3	6	8	5	13	21
Guatemala	10	10	14	21	16	21	24	18	93	27
Honduras	...	...	...	5	4	5	11	7	9	20
Jamaica	10	4	5	8	6	4	8	6	6	20
Mexico	485	347	476	525	668	725	788	800	729	998
Nicaragua	...	...	...	3	3	7	5	11	9	11
Panama	35	36	48	52	33	107	86	65	61	106
Trinidad and Tobago	53	200	27	37	54	42	53	41	32	39
United States	5 574	4 367	5 408	6 734	8 349	7 488	8 493	6 952	4 567	8 039
Other North America	...	...	...	41	20	27	36	25	29	27
North America	7 531	6 302	7 846	9 496	11 424	10 507	11 726	9 612	6 838	11 094
Argentina	138	132	54	109	100	67	72	60	43	61
Bolivia	...	...	...	47	39	37	41	37	23	29
Brazil	194	183	245	304	314	319	221	168	105	116
Chile	229	103	129	161	234	169	157	160	145	159
Colombia	317	279	314	540	408	371	389	244	172	256
Ecuador	100	109	115	225	190	187	275	113	77	82
Paraguay	...	...	...	13	10	15	17	11	11	15
Peru	198	114	189	270	164	192	205	324	195	167
Uruguay	...	...	...	16	16	22	37	28	29	32
Venezuela	327	...	173	307	439	530	428	205	170	78
Other South America	...	...	...	17	18	14	20	23	14	17
South America	1 503	920	1 219	2 011	1 933	1 923	1 860	1 372	985	1 012
Algeria	885	1 313	711	279	289	367	323	413	502	450
Cameroon	25	55	34	34	52	72	49	24	21	14
Egypt	381	419	316	306	348	326	328	392	803	393
Ghana	37	42	32	70	90	59	80	139	111	120
Ivory Coast	17	12	9	5	10	14	20	12	11	24
Kenya	9	16	31	38	31	70	39	76	24	31
Libya	164	195	220	46	60	94	42	10	13	10
Morocco	35	38	29	64	50	57	61	64	64	56
Nigeria	145	200	198	243	184	331	324	222	78	152
Senegal	4	7	8	8	9	13	20	23	31	29
South Africa	110	96	108	140	149	193	134	127	112	125
Sudan	101	96	83	64	43	42	40	49	21	22
Tanzania	13	8	13	23	19	158	75	36	20	29
Tunisia	55	54	50	30	29	26	59	75	31	41
Other Africa	13	11	15	465	592	630	686	567	412	388
Africa	1 992	2 563	1 858	1 814	1 954	2 453	2 278	2 230	2 255	1 884
Bahrain	36	22	23	64	75	17	37	27	42	77
Iran	807	817	866	837	845	395	399	336	340	312
Iraq	259	376	716	595	1 051	1 093	670	778	522	604
Israel	97	67	100	192	115	108	165	134	187	172
Jordan	26	20	182	112	27	22	24	28	60	32
Kuwait	253	176	728	536	367	308	237	353	808	716
Lebanon	12	16	14	14	20	23	28	28	37	29
Oman	205	206	140	241	334	281	257	338	498	424
Qatar	211	195	70	105	151	87	106	89	114	147
Saudi Arabia	1 075	426	770	786	884	1 001	1 150	641	1 057	1 083
Syria	142	164	109	88	30	7	24	33	27	26
United Arab Emirates	1 581	904	1 126	1 001	1 258	1 362	1 448	1 298	1 288	993
Yemen	47	41	51	18	22	41	37	13	27	27
Other Middle East	...	...	0	0	0	2	2	0	0	0
Middle East	4 751	3 430	4 896	4 590	5 179	4 748	4 585	4 096	5 008	4 644

Table 38
(continued)

Imports of Tubular Products

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Bangladesh	18	63	54	44	97	58	53	77	70	124
China	978	683	531	563	454	461	510	412	423	442
Hong Kong	143	128	161	200	213	204	247	213	186	176
India	574	508	674	813	642	576	657	643	752	658
Indonesia	748	565	804	831	1 264	1 129	856	718	630	548
Japan	190	181	209	275	314	312	362	303	303	298
D.P.R. Korea (e)	...	...	...	17	18	19	25	31	37	29
South Korea	552	522	685	874	862	903	882	809	763	705
Malaysia	930	513	717	729	851	951	867	395	652	835
Myanmar	56	68	164	432	506	211	180	248	271	257
Pakistan	105	78	53	56	88	141	129	257	255	179
Philippines	123	130	210	233	94	113	230	328	213	190
Singapore	1 159	850	887	932	991	917	858	626	522	485
Sri Lanka	18	28	42	43	35	39	32	41	42	34
Taiwan, China	245	119	181	233	199	201	190	198	190	184
Thailand	515	375	423	575	642	661	799	679	780	671
Viet Nam	258	225	340	295	301	307	418	499	361	353
Other Asia	177	...	125	2 732	1 056	504	499	700	302	364
Asia	6 788	5 036	6 259	9 880	8 627	7 707	7 794	7 178	6 752	6 532
Australia	737	735	693	607	1 048	844	1 281	1 344	369	465
New Zealand	94	53	59	60	77	78	91	80	81	88
Other Oceania	15	15	17	24	21	34	38	45	27	26
Oceania	846	803	770	691	1 146	955	1 410	1 468	477	579
World	39 358	30 489	35 638	44 287	44 251	41 612	44 472	39 142	36 168	41 672

Table 39

**Apparent Steel Use
(crude steel equivalent)**

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria (1)	4 429	3 540	4 002	4 440	4 171	4 066	4 111	4 460	4 374	4 674
Belgium-Luxembourg (1)	5 590	4 230	4 854	5 299	4 472	4 412	4 551	4 557	4 617	4 797
Bulgaria	1 967	785	833	1 127	1 008	1 100	1 526	1 368	1 460	1 102
Croatia	1 184	828	782	702	663	684	675	720	922	947
Cyprus	528	327	366	248	173	139	115	153	164	265
Czech Republic (1)	7 555	5 207	6 379	6 985	6 747	6 765	7 145	7 630	7 720	8 124
Denmark	1 920	990	1 129	1 530	1 528	1 518	1 521	1 564	1 655	1 583
Estonia	429	187	313	375	340	350	365	341	462	506
Finland (1)	2 539	1 715	1 540	1 225	2 104	1 888	1 875	1 872	1 951	2 049
France	17 775	12 290	15 454	16 304	14 130	14 566	14 472	14 521	15 251	15 771
Germany (1)	44 900	29 100	40 479	45 141	40 829	41 700	43 110	42 571	42 750	43 333
Greece	3 858	2 712	2 055	1 545	1 097	1 230	1 387	1 097	1 626	1 445
Hungary (1)	3 130	1 764	2 420	2 173	1 959	2 144	2 400	2 702	2 937	3 057
Ireland	961	382	453	425	436	433	513	605	603	716
Italy (1)	35 286	21 280	27 212	28 143	22 810	23 218	23 244	25 957	25 157	26 127
Latvia	449	290	393	622	214	230	344	293	363	261
Lithuania	590	282	381	472	493	558	631	604	716	722
Malta	58	48	60	36	35	33	42	46	45	37
Netherlands (1)	5 492	3 662	4 285	4 869	4 996	4 707	4 012	4 144	4 700	5 367
Poland	12 450	8 414	10 309	11 635	10 986	11 241	12 955	13 632	14 049	15 106
Portugal	3 510	2 455	2 659	2 361	2 144	2 509	2 240	2 479	2 405	2 601
Romania	5 524	2 827	3 511	4 025	3 549	3 522	4 085	4 266	4 339	4 475
Slovak Republic (1)	2 413	1 566	2 033	2 082	2 078	2 279	2 419	2 515	2 547	2 754
Slovenia	1 362	957	1 083	1 121	981	968	1 002	1 059	1 132	1 141
Spain (1)	24 200	12 500	14 100	14 000	11 510	11 873	12 449	13 467	13 517	14 619
Sweden (1)	4 732	2 801	3 970	4 244	3 819	3 915	3 695	3 679	4 224	4 498
United Kingdom (1)	14 389	8 808	11 358	11 489	10 839	10 955	11 768	11 811	12 058	12 040
European Union (28)	207 223	129 947	162 411	172 619	154 110	157 002	162 654	168 114	171 745	178 119
Albania	463	622	516	566	648	631	603	328	462	265
Bosnia-Herzegovina	695	473	521	536	512	541	533	516	723	765
Iceland	93	33	36	37	39	111	38	54	65	63
Macedonia	233	288	303	149	82	61	197	233	425	222
Montenegro	70	91	124	121	118	84	157	192	182	235
Norway	1 269	991	904	1 133	1 074	1 024	1 529	1 104	1 081	1 245
Serbia	1 153	828	477	642	496	427	520	704	865	1 056
Switzerland	2 603	2 065	2 615	2 805	2 871	2 959	2 949	2 750	2 982	2 902
Turkey (1)	22 862	19 198	25 131	28 665	30 286	33 305	32 750	36 570	36 250	38 356
Other Europe	187	101	114	137	123	141	130	220	129	160
Other Europe	29 627	24 690	30 741	34 790	36 248	39 283	39 407	42 670	43 164	45 268
Azerbaijan	987	826	934	988	1 187	1 453	1 468	1 060	652	617
Byelorussia	2 644	1 946	2 747	2 655	2 778	2 764	2 292	1 810	1 800	2 120
Georgia	330	207	215	220	289	148	251	348	419	374
Kazakhstan (1)	2 663	2 930	2 339	2 475	3 090	3 878	3 064	2 988	2 561	2 904
Moldova	297	263	134	225	186	222	203	313	96	215
Russia (1)	40 896	28 477	41 444	47 981	49 488	49 671	49 423	44 746	43 424	44 396
Ukraine (1)	7 806	4 474	6 305	7 307	7 057	6 331	4 763	3 786	4 882	5 233
Uzbekistan	1 412	1 629	1 358	1 387	1 604	1 971	2 025	1 842	1 834	2 485
Other C.I.S.	951	1 228	881	1 003	1 792	1 752	1 814	1 657	1 319	957
C.I.S.	57 987	41 980	56 357	64 239	67 471	68 190	65 302	58 550	56 987	59 302
Canada (1)	16 799	10 591	15 656	15 746	17 305	16 445	17 527	14 827	16 717	18 450
Costa Rica (2)	763	523	564	659	760	879	877	969	894	918
Cuba (2)	138	109	140	140	150	158	165	160	151	152
Dominican Republic (2)	325	278	360	303	381	412	573	473	484	523
El Salvador (2)	316	95	243	290	304	303	341	360	357	338
Guatemala (2)	615	271	350	358	718	817	1 118	1 176	1 054	1 019
Honduras (2)	321	113	92	204	239	184	198	393	356	360
Mexico (1)	24 505	17 565	20 648	23 140	23 714	22 904	26 160	27 941	28 503	29 501
Nicaragua (2)	157	81	53	77	113	119	125	120	114	114
Panama (2)	360	377	455	232	273	648	626	553	588	489
Trinidad and Tobago (2)	302	264	342	303	318	334	351	338	320	322
United States (1)	110 500	69 400	92 400	101 000	108 300	106 300	121 600	108 333	102 570	109 664
Other North America	1 262	1 041	729	268	308	306	338	425	447	538
North America	156 363	100 709	132 032	142 719	152 883	149 809	169 999	156 068	152 555	162 388

Table 39
(continued)

Apparent Steel Use
(crude steel equivalent)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Argentina (1)	5 457	3 652	5 268	6 087	5 582	5 775	5 712	5 991	4 796	5 610
Bolivia (2)	129	98	127	130	130	566	673	629	679	578
Brazil (1)	26 720	20 640	29 004	28 993	29 526	31 131	28 451	23 657	20 241	21 299
Chile (2)	3 005	1 960	2 738	3 148	3 457	3 105	3 031	3 215	3 172	3 171
Colombia (2)	2 865	2 481	3 134	3 603	3 926	4 393	4 980	5 078	4 610	4 484
Ecuador (2)	1 539	1 222	1 454	2 047	1 760	2 262	1 942	1 989	1 831	2 026
Paraguay (2)	54	143	237	276	244	256	269	260	340	362
Peru (2)	2 514	1 854	2 832	2 833	3 130	3 235	3 392	4 084	3 820	4 280
Uruguay (2)	167	125	168	231	261	243	236	249	210	185
Venezuela (1)	4 194	3 270	2 786	3 216	3 707	3 550	2 526	2 271	926	624
Other South America	52	50	25	77	84	92	92	117	88	96
South America	46 696	35 494	47 773	50 641	51 806	54 608	51 303	47 540	40 714	42 715
Algeria (1)	4 108	4 752	3 403	4 208	5 160	6 268	6 858	6 656	6 320	6 459
Angola	1 060	1 014	679	843	1 113	1 091	1 108	834	318	223
Benin	107	157	120	146	178	127	147	138	123	114
Cameroon	164	181	171	166	249	248	288	288	259	206
Congo	120	114	81	122	153	255	295	160	101	72
Dem. Rep. of the Congo	92	85	85	109	116	135	170	145	106	110
Djibouti	143	145	146	157	214	128	170	626	723	551
Egypt (1)	6 864	9 829	9 306	8 370	10 182	9 900	10 930	11 622	12 501	10 890
Equatorial Guinea	72	84	119	112	138	137	115	83	42	23
Ethiopia	316	543	332	490	745	860	895	1 112	1 091	758
Gabon	99	78	106	132	145	150	162	100	70	54
Ghana	504	464	533	852	785	767	841	969	914	772
Guinea	64	65	71	106	86	123	119	153	119	147
Ivory Coast	189	181	223	205	220	285	322	369	424	441
Kenya	664	892	867	1 306	1 028	1 409	1 436	1 835	1 608	1 466
Libya (1)	1 201	2 089	1 564	72	997	1 701	1 808	1 539	1 539	1 539
Madagascar	178	88	76	87	89	103	117	119	150	145
Mauritania	47	58	67	108	117	132	161	115	110	135
Mauritius	121	105	131	103	91	98	93	121	109	120
Morocco (1)	2 084	1 919	1 814	3 110	2 889	3 081	2 817	3 000	3 177	3 367
Mozambique	159	182	200	208	289	384	426	392	269	232
Nigeria	1 828	1 983	1 524	1 968	1 957	2 427	2 154	1 873	1 381	1 174
Senegal	209	287	362	431	394	335	413	449	554	510
South Africa (1)	6 779	4 931	5 534	5 900	5 827	6 295	5 663	5 858	5 500	5 208
Sudan (1)	362	437	374	328	371	293	333	356	358	337
Tanzania	272	344	355	474	439	777	643	712	587	572
Tunisia (1)	1 092	794	990	858	850	838	867	889	899	921
Togo	58	83	149	122	187	165	199	204	171	155
Uganda	119	121	200	161	78	131	160	155	132	154
Zambia	133	118	124	180	158	209	170	181	157	173
Zimbabwe	42	45	80	114	120	126	136	158	167	138
Other Africa	377	497	3 442	519	491	694	679	825	891	869
Africa	29 627	32 664	33 230	32 067	35 857	39 672	40 692	42 036	40 873	38 035
Bahrain (1)	348	270	354	206	237	276	296	302	284	293
Iran (1)	16 717	19 496	21 878	23 467	21 081	21 998	22 089	21 911	21 228	22 174
Iraq (1)	1 342	2 363	2 388	2 937	3 783	4 144	3 601	3 387	3 692	3 582
Israel	1 549	1 669	1 873	2 160	2 307	2 584	2 775	3 110	3 466	3 299
Jordan (1)	1 271	1 380	1 181	1 092	1 190	1 122	1 191	1 236	1 249	1 249
Kuwait (1)	1 448	973	1 202	1 072	1 224	1 397	1 582	1 609	1 613	1 521
Lebanon (1)	613	898	846	950	928	868	947	976	996	996
Oman (1)	951	620	1 026	1 068	1 190	1 364	1 510	1 619	1 570	1 593
Qatar (1)	1 741	1 700	1 291	1 103	1 202	1 373	1 582	1 663	1 639	1 640
Saudi Arabia (1)	12 246	10 158	10 800	12 600	13 500	14 000	14 600	14 000	12 650	12 272
Syria (1)	2 027	2 774	2 090	1 490	776	471	289	293	293	270
United Arab Emirates (1)	13 435	6 934	7 364	7 592	7 656	7 413	7 771	7 756	8 514	8 620
Yemen (1)	577	861	578	382	587	500	971	621	534	496
Other Middle East	2	7	7	3	20	14	18	7	7	11
Other Middle East	54 266	50 103	52 877	56 121	55 681	57 524	59 222	58 489	57 736	58 018

Table 39
(continued)

Apparent Steel Use
(crude steel equivalent)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Bangladesh	859	1 784	1 982	2 138	2 467	2 606	2 875	4 286	4 310	2 929
China (1)	465 480	574 420	612 063	667 941	687 609	772 340	740 380	700 350	709 400	767 530
Hong Kong, China	1 985	1 703	1 929	1 886	1 991	2 436	2 727	3 776	2 482	2 344
India (1)	56 209	64 360	69 082	73 154	77 436	80 656	87 086	89 256	94 502	100 892
Indonesia (3)	10 587	8 908	10 744	13 148	15 006	15 237	15 483	13 656	15 214	16 318
Japan (1)	83 200	56 000	67 400	69 600	68 800	70 800	72 900	67 800	67 500	70 100
North Korea	1 264	1 330	1 279	1 373	1 350	1 352	1 407	1 507	1 522	1 441
South Korea (1)	61 011	47 303	54 573	58 741	56 322	53 919	57 834	58 125	59 520	58 752
Malaysia (3)	9 873	7 727	9 668	9 578	10 374	11 685	11 720	11 628	11 925	10 980
Mongolia	124	133	133	317	377	464	480	366	212	273
Myanmar	533	876	991	1 292	1 549	1 554	2 317	2 605	2 560	2 159
Pakistan	2 396	2 621	2 173	3 189	3 788	4 210	4 820	6 464	8 118	9 005
Philippines (3)	4 134	3 993	4 650	5 940	6 986	7 796	8 517	10 186	11 253	11 418
Singapore (1)	4 226	3 540	3 350	4 900	4 782	5 345	4 791	5 019	3 540	3 484
Sri Lanka	417	423	517	580	664	638	731	1 028	1 153	1 117
Taiwan, China (1)	20 290	13 530	21 350	21 715	21 332	22 285	23 469	21 032	21 932	21 182
Thailand (3)	15 655	12 501	16 378	16 881	19 047	20 732	20 544	19 403	22 340	19 181
Viet Nam (3)	9 516	12 700	12 293	11 276	12 740	13 685	16 226	20 510	25 088	24 311
Other Asia	659	393	1 461	2 597	1 078	821	1 293	1 066	2 154	3 010
Asia	748 418	814 244	892 016	966 245	993 697	1 088 559	1 075 599	1 038 063	1 064 724	1 126 426
Australia (1)	8 224	5 916	7 716	6 672	7 152	6 376	7 142	6 967	6 477	6 025
New Zealand (1)	1 190	740	971	931	974	1 016	1 140	1 067	999	1 051
Other Oceania	283	244	310	649	574	323	309	348	368	349
Oceania	9 697	6 900	8 997	8 252	8 700	7 715	8 591	8 382	7 844	7 425
World	1 339 906	1 236 729	1 416 435	1 527 693	1 556 454	1 662 360	1 672 769	1 619 912	1 636 342	1 717 696

Table 40

Apparent Steel Use per Capita
(kg crude steel equivalent)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	531.2	422.9	475.9	524.8	489.7	474.0	476.2	513.9	502.1	535.1
Belgium-Luxembourg	496.3	372.5	424.1	459.5	385.0	377.2	386.5	384.4	386.9	399.3
Bulgaria	261.9	105.3	112.5	153.3	137.9	151.4	211.3	190.6	204.8	155.6
Croatia	272.1	190.8	180.6	162.7	154.4	159.8	158.6	169.9	218.9	226.1
Cyprus	488.3	298.0	329.1	220.5	152.0	121.6	99.9	132.2	140.5	224.6
Czech Republic	724.8	496.5	605.4	660.9	637.3	638.5	674.2	719.6	727.6	765.1
Denmark	349.2	179.2	203.2	274.0	272.4	269.3	268.5	274.9	289.8	276.2
Estonia	320.4	140.3	235.0	282.5	256.3	264.6	276.9	259.1	352.1	386.4
Finland	477.3	321.0	287.0	227.3	388.7	347.3	343.4	341.5	354.5	371.0
France	285.2	196.0	245.2	257.4	222.0	227.9	225.5	225.3	235.6	242.7
Germany	553.4	359.4	500.4	557.7	503.6	513.1	529.0	521.0	521.9	527.7
Greece	337.9	237.0	179.6	135.2	96.4	108.7	123.1	97.8	145.4	129.5
Hungary	313.3	177.1	243.8	219.5	198.5	217.8	244.6	276.2	301.1	314.5
Ireland	214.1	83.6	97.8	91.2	93.2	92.4	109.4	128.8	127.7	150.3
Italy	593.0	356.8	455.6	470.9	381.9	389.1	390.1	436.2	423.3	440.2
Latvia	206.9	135.2	185.3	297.3	103.4	112.5	170.7	146.9	184.0	133.8
Lithuania	183.6	89.0	122.0	153.1	162.2	186.3	212.9	206.1	246.2	249.9
Malta	139.5	116.1	143.2	86.1	83.2	78.4	98.7	108.6	104.1	85.8
Netherlands	331.5	220.3	256.8	290.9	297.6	279.5	237.5	244.6	276.7	315.0
Poland	324.9	219.6	269.0	303.6	286.7	293.4	338.3	356.3	367.5	395.7
Portugal	329.5	230.3	249.6	222.2	202.6	238.3	214.0	238.0	231.8	251.8
Romania	265.3	137.1	171.7	198.4	175.9	175.5	204.5	214.6	219.4	227.4
Slovak Republic	447.0	289.9	376.3	384.9	383.6	420.1	445.3	462.4	467.8	505.5
Slovenia	672.9	469.9	529.7	545.7	476.3	468.4	483.9	510.4	544.8	548.8
Spain	526.1	269.0	301.4	298.4	245.6	254.2	267.6	290.2	291.6	315.4
Sweden	512.3	300.7	422.8	448.4	400.3	407.2	381.3	376.9	429.4	453.9
United Kingdom	231.8	140.4	179.4	180.0	168.7	169.5	181.0	180.6	183.3	181.9
European Union (28)	413.7	258.6	322.3	341.9	304.8	310.1	320.9	331.3	338.0	350.0
Albania	154.7	210.1	175.6	193.3	221.8	216.0	206.5	112.1	158.0	90.4
Bosnia-Herzegovina	184.7	126.3	140.1	145.4	140.3	150.0	149.5	146.0	205.7	218.1
Iceland	298.5	103.6	112.6	114.3	120.2	339.1	115.3	162.1	194.4	186.7
Macedonia	112.6	139.4	146.3	71.7	39.4	29.6	95.0	112.1	204.2	106.7
Montenegro	112.0	145.4	198.5	192.9	188.9	134.3	250.5	305.3	288.9	373.4
Norway	266.0	205.3	185.1	229.0	214.2	201.7	297.4	212.3	205.7	234.7
Serbia	126.7	91.3	52.8	71.4	55.3	47.8	58.5	79.6	98.1	120.1
Switzerland	340.4	266.8	333.8	353.7	357.4	363.8	358.4	330.5	354.9	342.4
Turkey	324.6	269.1	347.5	390.5	406.1	439.5	425.2	467.2	455.9	475.0
Other Europe	89.6	48.3	53.9	64.4	57.8	65.8	60.4	101.5	59.4	73.1
Other Europe	285.4	235.6	290.4	325.0	334.7	358.4	355.2	380.0	379.8	393.7
Azerbaijan	111.8	92.5	103.4	108.0	128.1	154.8	154.4	110.3	67.1	62.7
Byelorussia	278.1	205.1	290.0	280.4	293.3	291.6	241.6	190.8	189.9	223.9
Georgia	76.1	48.2	50.9	52.8	70.3	36.5	62.8	88.0	106.8	95.6
Kazakhstan	166.4	181.1	142.6	148.7	182.6	225.4	175.2	168.4	142.4	159.5
Moldova	72.2	64.3	32.7	55.1	45.7	54.4	50.0	77.0	23.6	53.1
Russia	285.8	199.0	289.5	334.9	345.1	345.9	343.8	311.0	301.6	308.3
Ukraine	169.0	97.3	137.7	160.3	155.6	140.3	106.1	84.8	109.9	118.3
Uzbekistan	51.0	57.9	47.5	47.7	54.3	65.7	66.4	59.5	58.3	77.9
Other C.I.S.	46.6	59.3	41.9	46.9	82.4	79.2	80.6	72.4	56.7	40.5
C.I.S.	223.2	161.3	216.1	245.7	257.4	259.4	247.7	221.5	215.0	223.3
Canada	502.9	313.4	458.2	455.9	495.8	466.4	492.3	412.4	460.7	503.8
Costa Rica	172.3	116.5	124.1	143.2	163.3	186.8	184.3	201.5	184.0	187.1
Cuba	12.2	9.6	12.4	12.3	13.2	13.8	14.4	14.0	13.2	13.2
Dominican Republic	33.7	28.5	36.4	30.2	37.5	40.1	55.1	44.9	45.5	48.6
El Salvador	51.7	15.5	39.4	46.8	48.9	48.5	54.3	57.0	56.3	53.0
Guatemala	43.9	18.9	23.9	23.9	47.0	52.4	70.2	72.4	63.5	60.2
Honduras	40.8	14.1	11.2	24.4	28.1	21.3	22.5	43.9	39.1	38.9
Mexico	215.6	152.1	176.0	194.3	196.3	186.9	210.6	221.9	223.5	228.4
Nicaragua	28.1	14.3	9.2	13.3	19.2	20.0	20.8	19.7	18.5	18.3
Panama	102.4	105.3	124.9	62.6	72.4	168.8	160.3	139.3	145.8	119.3
Trinidad and Tobago	229.6	199.8	257.5	227.0	237.0	247.7	259.1	248.5	234.5	235.2
United States	364.2	226.7	299.4	324.7	345.6	336.9	382.7	338.6	318.4	338.0
Other North America	81.9	66.7	46.2	16.8	19.1	18.7	20.5	25.5	26.6	31.7
North America	295.2	188.0	243.9	260.9	276.8	268.6	302.0	274.7	266.1	280.6

Table 40
(continued)

Apparent Steel Use per Capita
(kg crude steel equivalent)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Argentina	135.1	89.5	127.8	146.1	132.6	135.8	132.9	138.0	109.4	126.7
Bolivia	13.4	10.0	12.8	12.9	12.7	54.4	63.7	58.6	62.4	52.3
Brazil	138.5	105.9	147.4	145.9	147.2	153.8	139.3	114.9	97.5	101.8
Chile	180.3	116.4	161.1	183.5	199.7	177.8	172.1	181.0	177.1	175.6
Colombia	63.8	54.6	68.3	77.6	83.7	92.8	104.2	105.3	94.7	91.4
Ecuador	106.5	83.2	97.4	134.9	114.1	144.4	122.1	123.2	111.8	121.9
Paraguay	8.9	23.3	38.2	43.9	38.2	39.6	41.1	39.2	50.6	53.1
Peru	87.8	63.9	96.4	95.2	103.8	105.8	109.5	130.2	120.2	133.0
Uruguay	49.8	37.2	49.8	68.2	76.8	71.3	69.0	72.6	60.9	53.5
Venezuela	149.0	114.4	96.0	109.1	124.0	117.1	82.2	72.9	29.3	19.5
Other South America	35.1	33.1	16.2	50.4	54.4	59.1	58.1	73.3	54.7	59.1
South America	120.8	90.8	120.9	126.7	128.3	133.8	124.4	114.2	96.8	100.6
Algeria	117.8	134.0	94.2	114.3	137.4	163.5	175.3	166.9	155.6	156.3
Angola	48.7	44.9	29.0	34.8	44.4	41.9	41.1	29.9	11.0	7.5
Benin	12.3	17.5	13.0	15.4	18.3	12.7	14.3	13.1	11.3	10.2
Cameroon	8.7	9.3	8.6	8.1	11.8	11.5	12.9	12.6	11.0	8.6
Congo	29.1	26.9	18.6	26.9	33.0	53.7	60.6	32.1	19.8	13.6
Dem. Rep. of the Congo	1.5	1.4	1.3	1.6	1.7	1.9	2.3	1.9	1.3	1.4
Djibouti	173.5	173.3	172.1	181.1	242.9	142.7	186.3	675.3	767.5	575.7
Egypt	84.8	119.2	110.6	97.4	116.0	110.2	119.0	123.9	130.6	111.6
Equatorial Guinea	83.5	92.3	124.7	113.0	132.9	126.1	101.6	70.5	34.6	18.5
Ethiopia	3.8	6.4	3.8	5.4	8.1	9.1	9.2	11.1	10.7	7.2
Gabon	64.2	49.2	64.8	78.1	82.4	82.3	86.4	51.9	35.5	26.4
Ghana	21.6	19.4	21.8	33.9	30.5	29.1	31.2	35.1	32.4	26.8
Guinea	6.2	6.2	6.6	9.6	7.6	10.6	10.0	12.6	9.6	11.6
Ivory Coast	9.7	9.1	10.9	9.8	10.2	13.0	14.3	16.0	17.9	18.2
Kenya	17.0	22.2	21.0	30.7	23.5	31.4	31.2	38.9	33.2	29.5
Libya	198.4	341.2	253.6	11.6	160.9	274.6	291.4	246.8	244.5	241.4
Madagascar	8.9	4.3	3.6	4.0	4.0	4.5	4.9	4.9	6.0	5.7
Mauritania	13.9	16.7	18.6	29.0	30.4	33.4	39.5	27.4	25.7	30.5
Mauritius	97.3	84.4	104.6	82.3	72.9	78.4	73.7	96.1	86.5	94.5
Morocco	66.0	60.0	56.0	94.6	86.7	91.1	82.1	86.2	90.0	94.2
Mozambique	7.0	7.7	8.3	8.3	11.2	14.5	15.6	14.0	9.3	7.8
Nigeria	12.2	12.8	9.6	12.1	11.7	14.1	12.2	10.3	7.4	6.2
Senegal	17.2	22.9	28.1	32.4	28.8	23.7	28.4	30.0	35.9	32.2
South Africa	134.5	96.7	107.3	112.9	109.9	117.1	103.8	105.9	98.2	91.8
Sudan	11.0	13.0	10.9	9.3	10.3	8.0	8.8	9.2	9.0	8.3
Tanzania	6.3	7.7	7.7	10.0	8.9	15.3	12.3	13.2	10.6	10.0
Tunisia	104.9	75.5	93.0	79.7	78.1	76.1	77.8	78.8	78.8	79.9
Togo	9.4	13.1	22.9	18.2	27.2	23.4	27.5	27.5	22.5	19.9
Uganda	3.8	3.7	5.9	4.6	2.1	3.5	4.1	3.8	3.2	3.6
Zambia	10.1	8.7	9.0	12.6	10.8	13.8	10.9	11.3	9.5	10.1
Zimbabwe	3.1	3.2	5.7	7.9	8.1	8.4	8.8	10.0	10.4	8.4
Other Africa	2.7	3.5	23.3	3.4	3.1	4.3	4.1	4.8	5.1	4.8
Africa	29.7	31.9	31.7	29.8	32.5	35.0	35.0	35.2	33.4	30.3
Bahrain	312.7	227.8	285.6	160.8	182.0	209.5	221.2	219.9	199.6	196.5
Iran	229.5	264.6	293.4	310.9	275.7	284.1	281.7	276.1	264.4	273.2
Iraq	46.1	79.0	77.6	92.6	115.4	122.3	102.9	93.8	99.2	93.6
Israel	218.2	229.6	252.2	285.3	299.7	330.4	349.5	385.7	423.1	396.5
Jordan	195.9	202.3	164.4	144.2	148.9	133.4	135.2	134.9	132.1	128.7
Kuwait	545.8	345.3	401.0	336.0	360.5	388.1	418.3	408.8	398.1	367.7
Lebanon	149.2	214.6	195.0	207.0	188.7	164.5	168.9	166.8	165.7	163.7
Oman	344.7	215.1	337.2	329.8	343.5	367.6	381.2	385.4	354.8	343.7
Qatar	1253.2	1068.7	725.5	565.2	569.9	610.2	666.4	669.9	637.7	621.4
Saudi Arabia	472.1	381.0	393.8	446.2	464.1	467.5	474.4	443.6	391.9	372.6
Syria	99.7	133.2	99.4	71.4	38.0	23.8	15.1	15.7	15.9	14.8
United Arab Emirates	1948.7	904.5	890.4	875.4	860.2	823.1	856.7	847.3	918.5	917.0
Yemen	25.8	37.5	24.5	15.8	23.6	19.5	37.0	23.1	19.4	17.6
Other Middle East	0.5	1.8	1.6	0.7	4.6	3.1	3.9	1.5	1.5	2.3
Other Middle East	262.2	235.9	242.9	251.9	244.5	247.5	249.8	242.1	234.7	231.9

Table 40
(continued)

Apparent Steel Use per Capita
(kg crude steel equivalent)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Bangladesh	5.8	11.9	13.0	13.9	15.8	16.5	18.0	26.6	26.5	17.8
P.R. China	346.2	424.8	450.1	488.4	500.0	558.5	532.6	501.3	505.5	544.5
Hong Kong	286.1	243.9	274.6	266.8	280.1	340.8	379.0	521.2	339.9	318.2
India	47.0	53.0	56.1	58.7	61.3	63.1	67.3	68.2	71.4	75.3
Indonesia	44.8	37.2	44.3	53.5	60.3	60.5	60.7	52.9	58.3	61.8
Japan	647.2	435.6	524.3	541.6	535.7	551.8	568.8	529.8	528.4	549.9
D.P.R. Korea (e)	52.0	54.4	52.0	55.5	54.3	54.1	56.0	59.7	60.0	56.5
South Korea	1239.6	958.0	1101.3	1180.8	1127.5	1074.7	1147.8	1148.9	1171.8	1152.4
Malaysia	364.2	279.9	343.9	334.5	355.6	393.3	387.7	378.5	382.4	347.2
Mongolia	47.1	50.0	48.9	114.9	133.8	161.6	164.0	122.9	69.9	88.8
Myanmar	10.8	17.6	19.7	25.6	30.4	30.2	44.6	49.7	48.4	40.5
Pakistan	14.6	15.7	12.7	18.3	21.3	23.2	26.0	34.1	42.0	45.7
Philippines	45.6	43.3	49.6	62.3	72.1	79.2	85.1	100.1	108.9	108.8
Singapore	871.1	712.9	660.2	946.7	907.2	997.0	879.4	906.8	629.6	610.2
Sri Lanka	20.9	21.1	25.6	28.6	32.5	31.1	35.4	49.6	55.4	53.5
Taiwan (R.o.C.)	884.9	587.8	924.1	936.6	917.0	954.8	1002.4	895.5	931.0	896.6
Thailand	235.3	186.9	243.7	250.0	280.7	304.2	300.3	282.6	324.4	277.8
Viet Nam	109.7	145.0	138.9	126.1	140.8	149.6	175.3	219.2	265.3	254.5
Other Asia	8.7	5.1	18.6	32.5	13.2	9.8	15.2	12.3	24.4	33.5
Asia	199.8	215.2	233.3	250.2	254.8	276.4	270.5	258.7	263.0	275.9
Australia	385.3	272.1	348.8	296.8	313.4	275.4	304.2	292.7	268.5	246.4
New Zealand	278.1	171.2	222.2	210.7	218.0	224.9	249.6	231.2	214.3	223.3
Other Oceania	30.4	25.8	32.1	65.8	57.1	31.5	29.6	32.8	33.9	31.6
Oceania	277.7	194.1	248.8	224.5	233.0	203.5	223.2	214.7	198.0	184.8
World	198.1	180.6	204.3	217.7	219.2	231.3	230.0	220.2	220.0	228.4

Table 41

**Apparent Steel Use
(finished steel products)**

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria (1)	3 885	3 105	3 510	3 894	3 658	3 566	3 606	3 911	3 836	4 099
Belgium-Luxembourg (1)	5 400	4 100	4 611	5 034	4 248	4 191	4 323	4 329	4 386	4 557
Bulgaria	1 843	736	783	1 060	946	1 034	1 435	1 286	1 373	1 036
Croatia	1 113	779	735	660	624	643	635	676	738	758
Cyprus	491	305	341	231	161	130	107	143	153	247
Czech Republic (1)	6 536	4 506	5 520	6 063	5 850	5 865	6 195	6 615	6 695	7 043
Denmark	1 784	923	1 052	1 426	1 425	1 416	1 420	1 460	1 545	1 478
Estonia	399	175	292	350	317	326	341	318	431	472
Finland (1)	2 313	1 560	1 404	1 116	1 917	1 720	1 709	1 706	1 778	1 867
France	16 580	11 490	14 438	15 218	13 204	13 617	13 526	13 575	14 270	14 759
Germany (1)	42 367	28 205	36 238	40 712	37 497	38 013	39 642	39 265	40 454	41 007
Greece	3 627	2 549	1 932	1 452	1 031	1 156	1 304	1 031	1 529	1 359
Hungary (1)	2 730	1 533	1 777	1 888	1 706	1 863	2 086	2 343	2 538	2 659
Ireland	893	356	422	396	407	404	479	565	563	668
Italy (1)	33 289	20 075	25 652	26 550	21 519	21 904	21 928	24 488	23 733	24 649
Latvia	422	273	369	585	201	216	321	273	339	244
Lithuania	548	263	355	440	460	521	589	564	669	674
Malta	53	45	56	34	33	31	39	43	42	35
Netherlands (1)	4 748	3 023	3 518	4 081	4 026	3 742	3 463	3 608	3 943	4 516
Poland	11 642	7 875	9 653	10 899	10 295	10 533	12 144	12 781	13 173	14 164
Portugal	3 295	2 304	2 494	2 216	2 012	2 357	2 103	2 328	2 258	2 441
Romania	5 168	2 645	3 286	3 764	3 322	3 297	3 830	3 997	4 064	4 191
Slovak Republic (1)	2 136	1 386	1 800	1 843	1 839	2 017	2 141	2 226	2 254	2 437
Slovenia	1 248	875	991	1 025	899	886	914	966	1 033	1 041
Spain (1)	17 997	11 876	13 068	13 114	10 433	10 923	11 599	12 552	12 571	13 596
Sweden (1)	4 339	2 569	3 640	3 892	3 502	3 590	3 388	3 374	3 873	4 125
United Kingdom (1)	13 033	7 878	9 894	10 225	9 647	9 593	10 655	10 484	10 877	10 796
European Union (28)	187 878	121 405	147 829	158 166	141 178	143 553	149 921	154 910	159 120	164 918
Albania	435	585	485	532	609	593	567	308	435	247
Bosnia-Herzegovina	652	444	488	502	480	508	501	485	680	719
Iceland	86	30	34	34	37	103	35	50	60	58
Macedonia	219	271	285	140	77	58	186	219	399	209
Montenegro	65	85	116	113	111	79	148	180	171	221
Norway	1 192	931	847	1 062	1 006	960	1 433	1 035	1 013	1 170
Serbia	1 084	778	448	604	466	401	489	662	813	992
Switzerland	2 447	1 941	2 458	2 636	2 699	2 781	2 772	2 585	2 803	2 728
Turkey (1)	21 453	18 026	23 567	26 931	28 468	31 301	30 773	34 381	34 077	36 055
Other Europe	174	94	106	127	115	131	121	205	121	149
Other Europe	27 807	23 186	28 834	32 682	34 067	36 915	37 025	40 110	40 572	42 549
Azerbaijan	927	776	878	928	1 116	1 366	1 380	997	613	580
Byelorussia	2 475	1 824	2 578	2 494	2 612	2 598	2 154	1 701	1 692	1 993
Georgia	307	193	201	205	269	138	234	325	392	349
Kazakhstan (1)	2 397	2 637	2 105	2 227	2 781	3 490	2 757	2 690	2 305	2 613
Moldova	279	248	126	211	175	208	191	294	90	202
Russia (1)	35 467	24 828	36 745	41 490	42 793	43 310	43 146	39 824	38 647	40 623
Ukraine (1)	6 699	3 922	5 480	6 332	6 148	5 569	4 232	3 309	4 248	4 455
Uzbekistan	1 324	1 528	1 275	1 302	1 506	1 853	1 904	1 731	1 724	2 336
Other C.I.S.	884	1 144	820	934	1 671	1 635	1 693	1 548	1 232	894
C.I.S.	50 760	37 101	50 208	56 125	59 072	60 167	57 691	52 419	50 942	54 044
Canada (1)	14 675	9 531	14 090	14 171	15 575	14 800	15 775	13 344	15 045	16 605
Costa Rica (2)	686	471	508	593	684	791	798	872	804	827
Cuba (2)	124	98	126	129	135	142	149	144	136	137
Dominican Republic (2)	292	251	324	272	343	371	516	426	436	471
El Salvador (2)	284	85	218	261	274	273	307	324	322	304
Guatemala (2)	553	244	315	322	646	735	1 007	1 058	948	917
Honduras (2)	289	102	83	190	215	166	178	354	321	324
Mexico (1)	17 737	15 175	17 760	19 804	20 911	20 574	23 472	24 956	25 487	26 430
Nicaragua (2)	142	73	47	72	105	110	116	112	106	107
Panama (2)	335	351	424	209	246	584	564	498	530	441
Trinidad and Tobago (2)	272	238	307	272	300	315	331	319	302	304
United States (1)	98 409	59 206	79 897	89 200	96 200	95 700	106 957	96 131	91 861	97 722
Other North America	1 173	970	679	250	287	285	316	397	417	503
North America	134 971	86 796	114 778	125 745	135 921	134 846	150 486	138 935	136 716	145 090

Table 41
(continued)

Apparent Steel Use
(finished steel products)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Argentina (1)	4 786	3 203	4 620	5 338	4 899	5 065	5 009	5 254	4 206	4 920
Bolivia (2)	116	88	114	117	120	523	621	581	627	534
Brazil (1)	24 048	18 576	26 669	26 094	26 573	28 018	25 606	21 291	18 217	19 169
Chile (2)	2 568	1 705	2 382	2 738	3 008	2 701	2 637	2 797	2 760	2 759
Colombia (2)	2 558	2 233	2 799	3 218	3 506	3 488	3 954	4 032	3 660	3 560
Ecuador (2)	1 316	1 045	1 243	1 750	1 505	1 934	1 660	1 701	1 566	1 733
Paraguay (2)	49	129	213	248	220	231	243	234	307	325
Peru (2)	2 149	1 585	2 421	2 422	2 676	2 766	2 900	3 492	3 266	3 659
Uruguay (2)	151	113	151	208	245	228	222	234	197	174
Venezuela (1)	3 400	2 684	2 266	2 606	2 990	2 872	2 038	1 844	735	511
Other South America	49	46	23	72	78	86	86	109	82	90
South America	41 189	31 407	42 901	44 812	45 819	47 912	44 976	41 569	35 623	37 434
Algeria (1)	3 697	4 277	3 063	3 787	4 644	5 641	6 173	5 990	5 688	5 813
Angola	984	944	632	786	1 038	1 018	1 034	779	297	209
Benin	99	146	112	136	166	118	137	129	115	106
Cameroon	153	169	159	155	233	232	269	269	242	192
Congo	111	107	76	113	143	238	276	150	95	67
Dem. Rep. of the Congo	86	80	80	103	109	127	160	136	100	104
Djibouti	133	135	136	146	200	119	159	585	675	514
Egypt (1)	7 460	11 054	9 332	7 780	9 468	9 207	10 182	10 862	11 683	10 178
Equatorial Guinea	67	78	110	105	129	128	107	77	39	22
Ethiopia	293	506	310	457	695	803	835	1 038	1 019	707
Gabon	92	73	99	123	135	140	151	94	66	50
Ghana	474	436	501	801	738	721	791	911	859	725
Guinea	60	61	66	99	80	114	111	142	112	137
Ivory Coast	176	168	207	191	205	266	301	345	396	412
Kenya	617	831	807	1 217	959	1 315	1 340	1 714	1 502	1 368
Libya (1)	1 081	1 880	1 408	65	898	1 531	1 627	1 385	1 385	1 385
Madagascar	166	82	71	81	83	96	109	111	140	136
Mauritania	44	54	62	100	109	123	150	107	103	126
Mauritius	112	98	122	96	85	92	87	113	102	112
Morocco (1)	1 876	1 727	1 633	2 799	2 600	2 773	2 535	2 700	2 859	3 031
Mozambique	148	170	187	194	269	358	397	366	251	217
Nigeria	1 718	1 864	1 433	1 850	1 840	2 282	2 025	1 760	1 298	1 104
Senegal	195	267	338	402	368	313	386	419	517	476
South Africa (1)	6 126	4 456	5 001	5 332	5 266	5 689	5 117	5 294	4 970	4 706
Sudan (1)	326	393	337	295	334	264	300	320	322	304
Tanzania	252	320	331	441	410	725	601	665	548	534
Tunisia (1)	983	715	891	772	765	754	781	800	809	829
Togo	54	77	139	113	174	154	185	190	160	145
Uganda	112	114	188	152	73	123	151	145	124	145
Zambia	123	110	116	168	148	195	159	169	147	162
Zimbabwe	39	42	74	106	112	118	127	148	156	129
Other Africa	351	463	3 207	484	458	648	634	771	832	812
Africa	28 207	31 896	31 229	29 449	32 933	36 423	37 393	38 685	37 610	34 955
Bahrain (1)	314	243	319	185	213	248	266	272	256	264
Iran (1)	15 045	17 546	19 690	21 120	18 973	19 798	19 880	19 720	19 105	19 957
Iraq (1)	1 208	2 127	2 149	2 643	3 405	3 730	3 241	3 048	3 323	3 224
Israel	1 456	1 568	1 761	2 030	2 169	2 429	2 609	2 924	3 258	3 101
Jordan (1)	1 144	1 242	1 063	983	1 071	1 010	1 072	1 112	1 124	1 124
Kuwait (1)	1 303	876	1 082	965	1 102	1 257	1 424	1 448	1 452	1 369
Lebanon (1)	552	808	761	855	835	781	852	878	896	896
Oman (1)	856	558	923	961	1 071	1 228	1 359	1 457	1 413	1 434
Qatar (1)	1 567	1 530	1 162	993	1 082	1 236	1 424	1 496	1 475	1 476
Saudi Arabia (1)	9 613	10 006	10 720	12 000	12 540	13 300	14 100	13 500	12 200	11 834
Syria (1)	1 824	2 497	1 881	1 341	698	424	261	264	264	243
United Arab Emirates (1)	12 092	6 241	6 628	6 833	7 044	6 820	7 149	7 136	7 833	7 931
Yemen (1)	519	775	520	344	529	450	874	559	481	447
Other Middle East	2	6	6	3	18	13	16	7	7	11
Other Middle East	47 494	46 023	48 665	51 256	50 749	52 723	54 527	53 820	53 086	53 310

Table 41
(continued)

Apparent Steel Use
(finished steel products)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Bangladesh	808	1 677	1 863	2 010	2 319	2 449	2 702	4 029	4 052	2 754
China (1)	446 861	551 443	587 581	641 223	660 105	741 446	710 768	672 340	681 020	736 830
Hong Kong, China	1 845	1 587	1 797	1 757	1 857	2 273	2 546	3 526	2 318	2 188
India (1)	51 438	57 892	64 940	69 788	72 383	73 652	76 050	80 080	83 643	88 680
Indonesia (3)	8 823	7 420	8 950	10 952	12 500	12 692	12 898	11 375	12 673	13 593
Japan (1)	77 950	52 790	63 570	64 100	63 950	65 240	67 690	62 950	62 170	64 380
North Korea	1 011	1 064	1 023	1 098	1 080	1 082	1 126	1 206	1 218	1 153
South Korea (1)	58 572	45 414	52 390	56 391	54 069	51 762	55 521	55 800	57 076	56 402
Malaysia (3)	8 491	6 645	8 314	8 238	8 922	10 049	10 079	10 000	10 256	9 443
Mongolia	116	125	125	298	354	436	451	344	199	257
Myanmar	501	823	931	1 214	1 456	1 461	2 178	2 449	2 406	2 029
Pakistan	1 917	2 097	1 738	2 551	3 030	3 368	4 530	6 076	7 631	8 465
Philippines (3)	3 555	3 434	3 999	5 108	6 008	6 705	7 325	8 760	9 677	9 819
Singapore (1)	3 396	2 804	2 680	3 897	3 826	4 276	3 833	4 016	2 832	2 787
Sri Lanka	392	397	486	545	624	600	687	966	1 084	1 050
Taiwan, China (1)	16 910	11 280	17 790	18 096	17 777	18 571	19 558	17 527	18 277	17 652
Thailand (3)	13 466	10 750	14 085	14 518	16 380	17 829	17 667	16 686	19 212	16 495
Viet Nam (3)	8 184	10 922	10 572	9 698	10 956	11 769	14 441	18 254	22 328	21 637
Other Asia	612	366	1 362	2 421	1 005	766	1 207	995	2 011	2 811
Asia	704 846	768 930	844 196	913 903	938 602	1 026 425	1 011 257	977 379	1 000 082	1 058 424
Australia (1)	7 426	5 341	6 966	6 024	6 458	5 757	6 449	6 291	5 849	5 441
New Zealand (1)	900	560	735	700	737	769	843	808	756	788
Other Oceania	263	227	289	605	535	301	288	325	343	326
Oceania	8 589	6 129	7 990	7 329	7 730	6 827	7 580	7 424	6 948	6 555
World	1 231 741	1 152 871	1 316 630	1 419 467	1 446 071	1 545 792	1 550 857	1 505 251	1 520 698	1 597 279

Table 42

Apparent Steel Use
(kg finished steel products)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	465.9	370.9	417.4	460.3	429.5	415.7	417.7	450.7	440.3	469.3
Belgium-Luxembourg	479.4	361.0	402.8	436.5	365.7	358.3	367.1	365.2	367.5	379.4
Bulgaria	245.4	98.7	105.8	144.1	129.5	142.3	198.6	179.2	192.5	146.3
Croatia	255.8	179.4	169.8	153.0	145.2	150.2	149.1	159.7	175.2	180.9
Cyprus	453.6	277.6	306.6	205.5	141.8	113.5	93.3	123.4	131.2	209.7
Czech Republic	627.0	429.7	523.9	573.7	552.6	553.6	584.5	623.8	631.0	663.3
Denmark	324.5	166.9	189.3	255.4	254.1	251.2	250.7	256.7	270.5	257.8
Estonia	297.7	130.7	218.9	263.3	239.0	246.9	258.5	241.9	328.7	360.8
Finland	434.8	292.0	261.7	207.1	354.1	316.4	313.0	311.2	323.1	338.0
France	266.0	183.3	229.1	240.2	207.5	213.0	210.7	210.6	220.5	227.1
Germany	522.2	348.4	448.0	503.0	462.5	467.8	486.5	480.6	493.9	499.4
Greece	317.6	222.7	168.8	127.1	90.6	102.1	115.8	91.9	136.7	121.8
Hungary	273.2	153.9	179.0	190.7	172.9	189.3	212.5	239.5	260.2	273.5
Ireland	198.9	77.9	91.1	85.0	86.9	86.2	102.1	120.3	119.2	140.3
Italy	559.5	336.6	429.5	444.3	360.2	367.1	368.0	411.5	399.4	415.2
Latvia	194.5	127.1	174.2	279.4	97.2	105.7	159.4	137.2	171.8	124.9
Lithuania	170.6	82.9	113.6	142.7	151.3	173.9	198.8	192.4	229.9	233.3
Malta	129.6	108.1	133.4	80.3	77.6	73.1	92.2	101.4	97.2	80.1
Netherlands	286.6	181.8	210.9	243.8	239.8	222.2	205.0	213.0	232.1	265.1
Poland	303.8	205.5	251.9	284.4	268.7	275.0	317.1	334.0	344.6	371.1
Portugal	309.3	216.1	234.1	208.6	190.1	223.8	200.9	223.5	217.7	236.3
Romania	248.2	128.3	160.8	185.5	164.7	164.3	191.7	201.1	205.5	213.0
Slovak Republic	395.6	256.6	333.0	340.7	339.5	371.8	394.1	409.2	414.0	447.4
Slovenia	616.3	429.9	484.7	499.1	436.1	428.7	441.5	465.5	497.4	500.6
Spain	391.3	255.5	279.3	279.6	222.7	233.9	249.3	270.5	271.2	293.3
Sweden	469.8	275.8	387.7	411.2	367.0	373.4	349.7	345.6	393.7	416.2
United Kingdom	210.0	125.6	156.3	160.2	150.1	148.4	163.9	160.3	165.3	163.1
European Union (28)	375.1	241.6	293.4	313.3	279.2	283.5	295.8	305.2	313.1	324.0
Albania	145.4	197.5	165.1	181.7	208.5	203.0	194.1	105.4	148.5	84.4
Bosnia-Herzegovina	173.2	118.5	131.1	136.2	131.7	141.0	140.6	137.3	193.4	205.0
Iceland	277.3	96.5	104.9	106.6	112.1	316.4	107.6	151.3	181.5	174.3
Macedonia	105.8	131.0	137.5	67.4	37.0	27.8	89.3	105.3	192.0	100.3
Montenegro	105.2	136.7	186.6	181.3	177.6	126.3	235.4	287.0	271.6	351.0
Norway	249.9	192.8	173.3	214.6	200.6	189.0	278.8	199.0	192.9	220.6
Serbia	119.1	85.8	49.6	67.1	52.0	44.9	55.0	74.8	92.2	112.9
Switzerland	320.0	250.8	313.8	332.4	336.0	342.0	336.9	310.7	333.6	321.8
Turkey	304.6	252.7	325.8	366.9	381.8	413.0	399.5	439.3	428.6	446.5
Other Europe	83.2	45.0	50.3	60.1	53.9	61.4	56.4	94.8	55.4	68.3
Other Europe	267.9	221.3	272.4	305.3	314.6	336.8	333.7	357.2	357.0	370.0
Azerbaijan	105.1	87.0	97.2	101.5	120.4	145.5	145.2	103.6	63.0	59.0
Byelorussia	260.4	192.3	272.1	263.4	275.7	274.1	227.1	179.3	178.5	210.5
Georgia	70.7	44.9	47.4	49.2	65.5	34.1	58.6	82.2	99.8	89.2
Kazakhstan	149.8	163.0	128.4	133.8	164.4	202.8	157.7	151.5	128.1	143.5
Moldova	67.9	60.5	30.8	51.8	42.9	51.2	47.0	72.3	22.1	49.9
Russia	247.9	173.5	256.7	289.6	298.4	301.6	300.1	276.8	268.5	282.1
Ukraine	145.0	85.3	119.7	138.9	135.6	123.4	94.3	74.1	95.6	100.7
Uzbekistan	47.8	54.3	44.6	44.8	51.0	61.7	62.4	55.9	54.8	73.2
Other C.I.S.	43.3	55.2	39.0	43.7	76.9	73.9	75.2	67.6	52.9	37.8
C.I.S.	195.4	142.6	192.5	214.7	225.3	228.8	218.8	198.3	192.2	203.5
Canada	439.3	282.1	412.4	410.3	446.3	419.8	443.0	371.2	414.6	453.4
Costa Rica	154.9	104.9	111.8	128.9	147.0	168.1	167.7	181.4	165.6	168.5
Cuba	11.0	8.7	11.1	11.4	11.9	12.4	13.0	12.6	11.9	11.9
Dominican Republic	30.3	25.7	32.7	27.1	33.8	36.1	49.6	40.5	40.9	43.7
El Salvador	46.5	13.8	35.4	42.1	44.0	43.7	48.9	51.3	50.8	47.7
Guatemala	39.5	17.0	21.5	21.5	42.3	47.1	63.2	65.1	57.2	54.2
Honduras	36.7	12.7	10.1	22.8	25.3	19.2	20.2	39.5	35.2	35.0
Mexico	156.1	131.4	151.4	166.3	173.1	167.9	189.0	198.2	199.8	204.6
Nicaragua	25.4	12.9	8.2	12.4	17.9	18.5	19.3	18.4	17.2	17.2
Panama	95.3	98.1	116.4	56.4	65.2	152.1	144.5	125.5	131.4	107.5
Trinidad and Tobago	206.8	180.1	231.2	203.8	223.6	233.6	244.4	234.5	221.3	221.9
United States	324.4	193.4	258.9	286.8	307.0	303.3	336.6	300.5	285.1	301.2
Other North America	76.1	62.2	43.0	15.6	17.8	17.5	19.1	23.8	24.8	29.6
North America	254.8	162.0	212.0	229.9	246.1	241.8	267.3	244.5	238.4	250.7

Table 42
(continued)

Apparent Steel Use
(kg finished steel products)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Argentina	118.5	78.5	112.1	128.1	116.4	119.1	116.5	121.0	95.9	111.1
Bolivia	12.1	9.0	11.5	11.6	11.7	50.3	58.8	54.2	57.6	48.3
Brazil	124.6	95.3	135.5	131.3	132.5	138.4	125.4	103.4	87.7	91.6
Chile	154.1	101.3	140.2	159.6	173.8	154.7	149.7	157.5	154.1	152.8
Colombia	57.0	49.2	61.0	69.3	74.8	73.7	82.7	83.6	75.2	72.6
Ecuador	91.1	71.1	83.2	115.3	97.6	123.5	104.4	105.4	95.6	104.2
Paraguay	8.1	21.1	34.3	39.4	34.5	35.7	37.1	35.2	45.6	47.8
Peru	75.0	54.7	82.4	81.4	88.7	90.5	93.6	111.3	102.8	113.8
Uruguay	45.1	33.6	44.7	61.4	72.1	66.9	64.9	68.2	57.2	50.3
Venezuela	120.8	93.9	78.1	88.5	100.0	94.7	66.3	59.2	23.3	16.0
Other South America	32.6	30.9	15.1	47.0	50.7	55.1	54.3	68.4	51.0	55.1
South America	106.5	80.3	108.5	112.1	113.4	117.4	109.1	99.8	84.7	88.2
Algeria	106.1	120.6	84.8	102.9	123.6	147.1	157.8	150.2	140.1	140.7
Angola	45.2	41.9	27.1	32.5	41.4	39.1	38.4	28.0	10.3	7.0
Benin	11.4	16.3	12.2	14.3	17.1	11.8	13.3	12.2	10.5	9.5
Cameroon	8.1	8.7	8.0	7.6	11.0	10.7	12.1	11.8	10.3	8.0
Congo	27.1	25.0	17.3	25.1	30.8	50.1	56.6	30.0	18.4	12.7
Dem. Rep. of the Congo	1.4	1.3	1.2	1.5	1.6	1.8	2.2	1.8	1.3	1.3
Djibouti	161.2	161.4	160.4	168.8	226.6	133.2	174.0	630.6	716.5	537.5
Egypt	92.2	134.0	111.0	90.6	107.8	102.5	110.9	115.8	122.1	104.3
Equatorial Guinea	77.5	86.0	116.2	105.3	123.9	117.7	94.8	65.8	32.3	17.2
Ethiopia	3.5	5.9	3.5	5.1	7.5	8.5	8.6	10.4	9.9	6.7
Gabon	59.7	45.8	60.4	72.8	76.8	76.8	80.7	48.5	33.2	24.7
Ghana	20.3	18.3	20.5	31.9	28.7	27.4	29.3	33.0	30.4	25.2
Guinea	5.8	5.7	6.1	9.0	7.1	9.9	9.4	11.8	9.0	10.8
Ivory Coast	9.0	8.4	10.2	9.1	9.6	12.1	13.3	14.9	16.7	17.0
Kenya	15.8	20.6	19.5	28.6	22.0	29.3	29.1	36.3	31.0	27.5
Libya	178.6	307.1	228.2	10.4	144.8	247.1	262.2	222.1	220.1	217.3
Madagascar	8.3	4.0	3.4	3.7	3.7	4.2	4.6	4.6	5.6	5.3
Mauritania	12.9	15.5	17.3	27.0	28.4	31.2	36.9	25.6	24.0	28.5
Mauritius	90.4	78.7	97.5	76.7	68.0	73.2	68.8	89.8	80.7	88.2
Morocco	59.4	54.0	50.4	85.2	78.0	82.0	73.9	77.6	81.0	84.8
Mozambique	6.5	7.2	7.7	7.8	10.5	13.5	14.6	13.1	8.7	7.3
Nigeria	11.4	12.1	9.0	11.4	11.0	13.3	11.5	9.7	7.0	5.8
Senegal	15.9	21.3	26.1	30.2	26.8	22.1	26.5	28.0	33.5	30.0
South Africa	121.5	87.4	96.9	102.0	99.4	105.8	93.8	95.7	88.7	83.0
Sudan	9.9	11.7	9.8	8.4	9.3	7.2	7.9	8.3	8.1	7.5
Tanzania	5.8	7.2	7.2	9.3	8.3	14.3	11.5	12.3	9.9	9.3
Tunisia	94.5	68.0	83.7	71.7	70.3	68.5	70.0	71.0	70.9	71.9
Togo	8.7	12.2	21.3	17.0	25.4	21.8	25.6	25.6	21.0	18.6
Uganda	3.5	3.5	5.5	4.3	2.0	3.3	3.9	3.6	3.0	3.4
Zambia	9.4	8.1	8.4	11.8	10.1	12.9	10.2	10.5	8.8	9.4
Zimbabwe	2.9	3.0	5.3	7.4	7.6	7.8	8.2	9.4	9.7	7.8
Other Africa	2.5	3.2	21.7	3.2	2.9	4.0	3.8	4.5	4.7	4.5
Africa	28.3	31.2	29.8	27.4	29.8	32.1	32.1	32.4	30.7	27.8
Bahrain	281.4	205.1	257.1	144.7	163.8	188.5	199.0	197.9	179.3	176.9
Iran	206.5	238.1	264.1	279.8	248.2	255.7	253.5	248.5	238.0	245.9
Iraq	41.5	71.1	69.9	83.3	103.9	110.1	92.6	84.4	89.3	84.2
Israel	205.1	215.8	237.1	268.2	281.7	310.6	328.5	362.5	397.7	372.7
Jordan	176.3	182.1	148.0	129.8	134.0	120.0	121.6	121.4	118.9	115.8
Kuwait	491.3	310.8	360.9	302.4	324.5	349.3	376.5	367.9	358.3	330.9
Lebanon	134.3	193.2	175.5	186.3	169.8	148.0	152.1	150.1	149.1	147.3
Oman	310.3	193.6	303.5	296.9	309.1	330.9	343.1	346.9	319.3	309.3
Qatar	1127.9	961.8	652.9	508.7	512.9	549.2	599.7	603.0	574.0	559.3
Saudi Arabia	370.6	375.3	390.9	425.0	431.1	444.2	458.1	427.8	378.0	359.3
Syria	89.7	119.9	89.5	64.3	34.2	21.4	13.6	14.1	14.3	13.3
United Arab Emirates	1753.9	814.1	801.4	787.9	791.4	757.3	788.2	779.5	845.0	843.7
Yemen	23.2	33.7	22.0	14.2	21.2	17.6	33.3	20.8	17.4	15.8
Other Middle East	0.4	1.6	1.5	0.7	4.3	2.9	3.6	1.4	1.4	2.1
Other Middle East	229.5	216.7	223.5	230.0	222.9	226.8	230.0	222.8	215.8	213.0

Table 42
(continued)

Apparent Steel Use
(kg finished steel products)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Bangladesh	5.4	11.1	12.2	13.1	14.9	15.5	17.0	25.0	24.9	16.7
P.R. China	332.4	407.9	432.1	468.9	480.0	536.2	511.3	481.3	485.2	522.8
Hong Kong	265.8	227.2	255.9	248.7	261.3	318.0	353.8	486.6	317.4	297.1
India	43.0	47.7	52.8	56.0	57.3	57.6	58.8	61.2	63.2	66.2
Indonesia	37.4	31.0	36.9	44.6	50.2	50.4	50.6	44.1	48.5	51.5
Japan	606.4	410.6	494.5	498.8	498.0	508.4	528.2	491.9	486.7	505.0
D.P.R. Korea (e)	41.6	43.5	41.6	44.4	43.5	43.3	44.8	47.8	48.0	45.2
South Korea	1190.0	919.7	1057.3	1133.6	1082.4	1031.7	1101.9	1102.9	1123.7	1106.3
Malaysia	313.2	240.7	295.8	287.7	305.8	338.3	333.4	325.5	328.8	298.6
Mongolia	44.3	47.0	45.9	108.1	125.8	151.9	154.2	115.5	65.7	83.5
Myanmar	10.1	16.5	18.6	24.0	28.6	28.4	42.0	46.7	45.5	38.0
Pakistan	11.7	12.6	10.2	14.6	17.0	18.5	24.4	32.1	39.5	43.0
Philippines	39.2	37.2	42.7	53.6	62.0	68.1	73.2	86.1	93.7	93.6
Singapore	700.0	564.7	528.2	752.9	725.8	797.6	703.6	725.4	503.7	488.2
Sri Lanka	19.6	19.8	24.1	26.8	30.6	29.2	33.3	46.6	52.1	50.3
Taiwan (R.o.C.)	737.5	490.1	770.0	780.5	764.1	795.7	835.3	746.3	775.9	747.1
Thailand	202.4	160.7	209.6	215.0	241.4	261.6	258.2	243.0	279.0	238.9
Viet Nam	94.4	124.7	119.5	108.4	121.1	128.6	156.0	195.1	236.1	226.5
Other Asia	8.1	4.8	17.4	30.3	12.3	9.2	14.2	11.5	22.7	31.2
Asia	188.2	203.2	220.8	236.7	240.7	260.6	254.4	243.6	247.0	259.2
Australia	347.9	245.7	314.9	268.0	283.0	248.7	274.7	264.3	242.4	222.5
New Zealand	210.4	129.5	168.2	158.4	165.0	170.2	184.6	175.1	162.2	167.5
Other Oceania	28.3	24.0	29.9	61.3	53.3	29.4	27.6	30.6	31.7	29.5
Oceania	246.0	172.4	221.0	199.4	207.0	180.1	197.0	190.1	175.4	163.1
World	182.1	168.3	189.9	202.3	203.6	215.1	213.3	204.6	204.4	212.3

Table 43

Production of Pig Iron

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	5 795	4 353	5 621	5 815	5 751	6 152	6 029	5 805	5 642	6 335
Belgium	6 977	3 087	4 688	4 725	4 073	4 343	4 388	4 248	4 869	4 860
Bulgaria	441									
Czech Republic	4 737	3 483	3 987	4 137	3 935	4 040	4 152	4 031	4 165	3 691
Germany	28 592	19 715	28 112	27 563	26 493	26 678	27 379	27 842	27 270	27 816 e
Finland	2 943	2 042	2 564	2 500	2 130	2 050	2 475	2 594	2 670	2 604
France	11 372	8 104	10 137	9 698	9 532	10 276	10 866	10 097	9 724	10 678
Hungary	1 289	1 050	1 325	1 317	1 229	628	801	1 247	864	1 311
Italy	10 377	5 692	8 555	9 838	9 424	6 933	6 371	5 051	6 044	5 052
Netherlands	5 998	4 601	5 799	5 943	5 917	5 681	5 868	6 050	6 092	6 145
Poland	4 934	2 984	3 638	3 975	3 952	4 011	4 637	4 821	4 674	5 151
Romania	2 958	1 575	1 726	1 593	1 467	1 604	1 631	1 983	1 972	1 927
Slovak Republic	3 529	3 019	3 649	3 346	3 520	3 617	3 838	3 738	3 987	4 106
Spain	3 784	2 920	3 572	3 540	3 081	3 949	3 958	4 450	4 116	4 462
Sweden	3 583	1 966	3 447	3 240	2 805	2 896	3 078	2 865	3 079	3 111
United Kingdom	10 137	7 671	7 233	6 625	7 183	9 471	9 705	8 774	6 142	5 996
European Union (28)	107 446	72 263	94 054	93 855	90 493	92 328	95 176	93 596	91 312	93 246
Bosnia-Herzegovina	243	483	621	685	750	759	860	845	778	738
Norway	108	83	108	101	100	106	102	100	100	100 e
Serbia	1 582	1 008	1 235	1 226	312	365	550	904	1 154	1 340
Turkey	6 704	7 004	7 679	8 173	8 613	9 180	9 364	10 184	10 304	10 589
Other Europe	8 637	8 577	9 643	10 184	9 774	10 411	10 876	12 033	12 336	12 767
Kazakhstan	2 761	2 409	2 640	3 190	2 831	2 756	3 185	3 235	6 901	3 769
Russia	48 295	43 945	47 934	48 117	50 529	50 111	51 479	52 553	51 877	52 036
Ukraine	30 981	25 676	27 349	28 867	28 500	29 094	24 788	21 797	23 618	20 123
C.I.S.	82 037	72 030	77 923	80 174	81 860	81 962	79 452	77 585	82 396	75 928
Canada	8 770	5 273	7 666	7 323	7 654	6 100	6 728	5 851	6 240	6 306
Mexico	4 450	3 919	4 707	4 609	4 611	4 911	5 115	4 573	4 476	4 245
United States	33 729	19 018	26 843	30 227	32 062	30 308	29 374	25 435	22 293	22 395
North America	46 949	28 209	39 216	42 159	44 328	41 319	41 218	35 859	33 008	32 946
Argentina	2 581	2 042	2 532	2 801	2 073	2 650	2 766	2 685	2 141	2 171
Brazil	34 925	25 135	30 955	33 319	26 900	26 200	27 016	27 803	26 036	28 427
Chile	1 109	923	635	1 072	1 068	766	584	644	677	670
Colombia	308	342	327	302	345	307	234	240	225	203
Paraguay	94	71	81	42	67	69	71	73	50	38
Peru	345									
South America	39 362	28 513	34 531	37 535	30 454	29 992	30 671	31 446	29 130	31 509
Algeria	690	680	696	360	350	300	300	300	300	300 e
Egypt	900	800	600	600	550	550	550	500	500	500 e
South Africa	5 138	4 444	5 429	4 604	4 599	4 928	4 402	4 464	4 311	4 352
Africa	6 729	5 924	6 725	5 564	5 499	5 778	5 252	5 264	5 111	5 152
Iran	2 176	2 433	2 540	2 242	2 143	2 007	2 782	2 459	2 251	2 293
Middle East	2 176	2 433	2 540	2 242	2 143	2 007	2 782	2 459	2 251	2 293

Table 43
(continued)

Production of Pig Iron

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
China	483 226	568 634	595 601	645 429	670 102	748 084	713 748	691 413	698 190	710 760
India	37 313	38 233	39 560	43 624	47 987	51 359	55 166	58 394	63 714	66 808
Japan	86 171	66 943	82 283	81 028	81 405	83 849	83 872	81 011	80 186	78 330
DPR Korea (e)	250	250	250	250	250	250	250	250	250	250 e
South Korea	31 043	27 284	35 065	42 213	41 734	41 045	46 909	47 639	46 336	47 071
Malaysia	...	...	...	...	...	...	...	477	522	382
Pakistan	915	629	415	358	198	165	142	163		
Taiwan, China	9 823	7 939	9 358	12 718	11 785	13 319	14 440	14 370	14 890	14 361
Viet Nam	255	275	500	600	650	650	1 393	1 700	2 600	4 250
Asia	648 996	710 187	763 032	826 220	854 111	938 721	915 921	895 415	906 687	922 212
Australia	6 057	4 370	6 005	5 265	3 710	3 477	3 282	3 594	3 642	3 758
New Zealand	622	608	667	659	670	682	680	678	670	683
Oceania	6 679	4 978	6 672	5 925	4 381	4 160	3 962	4 272	4 313	4 441
World	949 011	933 115	1 034 337	1 103 856	1 123 042	1 206 677	1 185 311	1 157 930	1 166 545	1 180 494

* - Includes all qualities: carbon, stainless, and other alloy.

Table 44

Exports of Pig Iron

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	6	3	4	1	0	1	2	2	5	3
Belgium	294	160	254	258	236	231	173	144	174	165
Bulgaria	24	1	1	1	1	2	2	1	2	8
Czech Republic	30	24	64	46	83	68	43	16	16	103
Germany	154	86	181	178	125	137	116	141	145	237
Finland	14	11	3	0	14	6	0	0	5	8
France	88	151	52	53	44	42	35	34	37	49
Italy	36	62	38	22	52	40	49	59	60	48
Netherlands	339	170	156	191	269	113	172	220	271	455
Poland	5	6	17	22	79	50	80	65	85	66
Portugal	...	0	19	20	17	18	38	47	51	1
Romania	0	...	0	0	0	0	0	0	0	0
Slovak Republic	21	29	67	27	29	38	15	17	32	25
Slovenia	25	4	10	22	19	11	13	4	5	2
Spain	10	5	3	6	11	17	9	5	14	13
Sweden	63	141	146	111	88	35	67	77	90	89
United Kingdom	3	27	5	2	4	2	2	3	0	5
Other E.U.	4	2	3	4	2	2	4	1	4	1
European Union (28)	1 115	884	1 024	964	1 074	811	819	837	996	1 280
Bosnia-Herzegovina	3	0	8	37	54	45	39	39	...	...
Serbia	81	65	70	47	37	1	22	8	21	7
Turkey	10	11	8	9	8	6	5	5	10	5
Other Europe	26	0	2	0	0	0	0	0	0	0
Other Europe	120	76	88	93	99	52	65	52	31	12
Kazakhstan	14	3	...	1	1	1	3	2	35	3
Russia	5 690	4 077	3 479	4 240	3 996	3 946	4 359	5 339	5 139	4 819
Ukraine	1 472	1 370	1 481	1 774	1 966	2 261	2 212	2 152	2 540	2 343
Other C.I.S.	17	...	9	3	10	5	0	0	0	0
C.I.S.	7 193	5 450	4 969	6 017	5 974	6 213	6 574	7 494	7 713	7 164
Canada	183	91	142	107	148	76	21	16	46	40
United States	268	22	81	126	122	44	52	67	62	66
Other North America	17	3	1	1	0	0	0	0	0	0
North America	469	116	223	234	270	121	73	83	108	106
Brazil	6 300	3 158	2 309	3 247	3 027	2 692	2 588	2 752	2 179	2 282
Other South America	1	16	4	1	0	3	15	17	35	5
South America	6 301	3 174	2 313	3 248	3 028	2 695	2 604	2 768	2 214	2 287
Algeria	50	65	33	27	23	9	17	14	...	27
South Africa	558	577	624	595	614	632	740	434	311	544
Other Africa	39	0	11	0	0	0	0	...	...	0
Africa	648	642	668	623	637	641	757	447	311	571
Iran	2	101	14	36	0	0	0	0	7	1
United Arab Emirates	8	...	1	20	...	0	0	...	...	1
Other Middle East	68	0	2	32	34	43	...	3	40	10
Middle East	78	101	17	88	35	43	0	3	47	12

Table 44
(continued)

Exports of Pig Iron

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
China	251	237	707	872	302	265	242	169	133	86
India	613	397	752	1 197	394	1 063	835	542	556	655
Indonesia	0	94	117	...	2	63	286	283	569	140
Japan	41	590	33	51	402	283	47	54	17	25
D.P.R. Korea (e)	202	77	243	234	187	166	166	135	135	133
South Korea	138	11	7	37	41	2	3	0	4	53
Taiwan, China	60	32	41	29	17	17	12	12	9	14
Thailand	23	1	0	0	1	2	1	1	2	1
Viet Nam	22	148	58	9	...	...	74	46	71	36
Other Asia	26	65	361	2	0	10	2	92	110	56
Asia	1 375	1 651	2 318	2 433	1 345	1 870	1 668	1 334	1 605	1 199
Australia	81	104	3	1	0	0	0	0	0	0
New Zealand	0	0	...	...	0	...	...	0	...	...
Other Oceania	0	...	0	...	...	...	...	...	...	...
Oceania	81	105	3	1	0	0	0	0	0	0
World	17 380	12 199	11 623	13 700	12 461	12 446	12 561	13 019	13 026	12 632

Table 45

Imports of Pig Iron

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	44	29	25	31	19	21	18	62	76	17
Belgium	503	282	357	318	286	279	232	182	201	215
Bulgaria	39	7	16	18	14	19	14	18	14	17
Croatia	15	18	10	13	12	14	13	15	14	14
Czech Republic	112	46	53	76	65	65	73	60	59	57
Denmark	14	9	9	16	17	19	19	22	17	7
Germany	713	408	421	506	585	448	460	547	593	438
Finland	43	18	36	33	22	19	12	20	24	23
France	205	113	133	156	132	186	149	150	143	135
Greece	9	9	4	9	0	3	7	38	2	14
Hungary	13	3	7	6	5	5	8	8	8	4
Ireland	2	1	1	1	1	1	0	0	0	0
Italy	2 238	897	992	1 288	1 107	1 481	1 690	1 671	1 600	1 656
Latvia	57	38	46	2	3	1	1	1	0	0
Netherlands	381	184	223	335	320	243	424	401	475	501
Poland	237	149	167	227	193	157	173	237	216	239
Portugal	14	7	10	5	2	3	4	9	18	28
Romania	43	61	112	48	59	36	11	22	38	29
Slovak Republic	123	19	67	43	38	36	35	38	46	45
Slovenia	68	24	33	25	31	30	29	30	22	24
Spain	688	381	443	316	274	219	276	247	221	197
Sweden	80	40	59	79	55	53	57	51	54	52
United Kingdom	62	20	41	69	59	38	53	47	33	50
Other E.U.	2	1	1	1	1	1	1	0	1	1
European Union (28)	5 707	2 763	3 265	3 622	3 299	3 376	3 760	3 875	3 875	3 763
Montenegro	37	10	...	...	...	...	0	0	0	0
Norway	11	11	1	11	10	8	3	1	4	1
Serbia	55	0	50	1	1	1	1	0	0	0
Switzerland	29	12	17	18	13	15	14	11	10	13
Turkey	803	772	565	1 138	1 377	968	913	1 172	1 101	1 012
Other Europe	1	2	2	3	1	1	9	4	3	11
Other Europe	936	807	636	1 170	1 402	994	939	1 188	1 118	1 038
Byelorussia	178	109	147	160	154	149	122	97	92	110
Moldova	16	2	6	6	3	0	0	2	0	1
Ukraine	129	12	65	44	34	13	7	3	2	2
Other C.I.S.	25	6	8	3	4	5	9	5	19	100
C.I.S.	348	128	227	214	194	167	138	107	113	212
Canada	57	16	23	26	38	28	56	57	36	61
Mexico	138	135	168	208	166	284	323	838	551	236
United States	4 978	2 424	3 471	4 190	4 270	4 118	4 603	4 534	3 866	5 127
Other North America	1	0	0	10	231	1	16	0	0	2
North America	5 173	2 574	3 663	4 433	4 705	4 431	4 998	5 429	4 454	5 425
Argentina	37	2	15	10	29	7	4	55	81	75
Chile	26	0	0	16	38	1	1	1	1	1
Colombia	...	0	0	0	31	0	0	0	1	0
Other South America	5	3	0	2	31	2	2	1	9	17
South America	67	6	16	29	129	10	7	57	92	93
Egypt	36	35	35	21	1	59	113	177	72	10
Other Africa	8	6	3	5	10	6	10	5	13	9
Africa	44	40	38	26	11	65	124	182	85	20
Iran	40	43	1	0	0	0	0	0	0	0
Saudi Arabia	0	71	9	0	27	77	128	36	603	83
United Arab Emirates	12	1	10	3	47	65	84	104	35	76
Other Middle East	4	6	4	3	2	2	3	6	5	11
Middle East	56	122	24	6	77	144	215	146	643	170

Table 45
(continued)

Imports of Pig Iron

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
China	356	3 616	873	971	581	298	193	168	190	166
India	27	8	256	11	12	46	27	35	38	27
Indonesia	161	85	47	54	183	263	23	9	19	79
Japan	879	293	354	322	113	121	167	99	86	94
D.P.R. Korea (e)	132	2	69	3	3	1	...	1	0	2
South Korea	1 217	754	1 031	925	833	987	898	413	337	245
Malaysia	488	69	4	80	58	153	62	16	36	72
Pakistan	10	16	15	9	8	5	7	23	26	34
Taiwan, China	778	525	572	840	768	809	551	579	421	443
Thailand	781	414	303	356	204	115	385	371	462	411
Viet Nam	17	148	35	49	38	47	17	33	74	60
Other Asia	192	21	370	59	25	86	30	96	175	127
Asia	5 038	5 948	3 931	3 679	2 826	2 930	2 360	1 843	1 863	1 761
Australia	143	11	12	11	7	10	13	12	11	17
New Zealand	0	6	0	0	0	0	0	0	0	0
Other Oceania	0	0	0	0	0	2	1	...	...	3
Oceania	144	17	12	11	7	12	14	12	11	20
World	17 514	12 406	11 811	13 191	12 650	12 130	12 555	12 839	12 253	12 501

Table 46

Production of Direct Reduced Iron

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Germany	518	389	448	380	555	498	566	551	600	600 e
Sweden	125	96	123	117	105	113	105	109	102	103
European Union (28)	643	485	571	497	660	611	671	659	702	703
Russia	4 500	4 600	4 700	5 200	5 125	5 329	5 350	5 436	5 820	7 200
C.I.S.	4 500	4 600	4 700	5 200	5 125	5 329	5 350	5 436	5 820	7 200
Canada	704	342	600	702	842	1 250	1 550	1 502	1 399	1 608
Mexico	6 012	4 147	5 368	5 854	5 586	6 100	5 979	5 499	5 306	6 011
Trinidad and Tobago	2 780	1 990	3 080	3 030	3 250	3 290	3 240	2 520	129	
United States	260						1 300	1 100	1 810	2 000 e
North America	9 756	6 479	9 048	9 586	9 679	10 640	12 068	10 621	8 644	9 618
Argentina	1 847	807	1 566	1 670	1 607	1 466	1 663	1 252	773	1 231
Brazil	302	11								
Peru	121	100	100	94	96	93	88	72	11	
Venezuela	6 826	5 508	3 793	4 159	4 472	2 727	1 402	1 356	908	491
South America	9 097	6 426	5 459	5 924	6 174	4 285	3 153	2 680	1 691	1 722
Egypt	2 643	3 051	2 965	2 932	3 068	3 432	2 882	2 451	2 618	4 667
Libya	1 569	1 077	1 270	165	508	956	998	449	699	560
South Africa	1 178	1 340	1 120	1 414	1 493	1 295	1 612	1 125	702	925
Africa	5 391	5 467	5 356	4 511	5 069	5 683	5 492	4 025	4 019	6 152
Bahrain						780	1 440	1 230	1 260	1 300 e
Iran	7 399	8 099	9 350	10 368	11 582	14 458	14 551	14 546	16 013	19 401
Oman				1 242	1 520	1 468	1 420	1 509	1 439	1 526
Qatar	1 681	2 097	2 250	2 350	2 420	2 386	2 549	2 631	2 506	2 548
Saudi Arabia	4 970	5 030	5 510	5 810	5 660	6 070	6 460	5 800	5 119	4 812
United Arab Emirates			1 180	1 800	2 699	3 075	2 409	3 190	3 479	3 608
Middle East	14 050	15 226	18 290	21 570	23 881	28 237	28 829	28 906	29 816	33 194
China	150	42								
India	20 914	23 445	24 931	25 332	23 438	22 615	24 542	22 644	26 982	29 505
Indonesia	1 209	1 119	1 274	1 228	524	757	155	53		
Malaysia	1 958	2 388	2 390	2 877	2 329	1 399	1 007	957	656	570
Pakistan	...	...	...	...	...	60	...	...	...	...
Asia	24 231	26 994	28 595	29 437	26 291	24 831	25 704	23 654	27 638	30 075
World	67 667	65 677	72 019	76 725	76 879	79 616	81 267	75 982	78 331	88 664

Table 47

Exports of Direct Reduced Iron

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Belgium	1	0	11	4	...	...	0	...	0	113
Bulgaria	9	3	3	...	...	...	...	...	...	...
Germany	72	3	15	0	0	0	0	0	0	0
France	9	1	15	3	6	3	13	16	0	0
Netherlands	93	111	0	1	0	8	8	13	0	2
Spain	3	0	2	2	2	2	4	3	1	0
Sweden	12	6	13	10	2	3	2	3	3	2
Other EU	8	0	1	26	7	7	7	65	52	18
European Union (28)	207	124	59	47	16	23	34	99	56	135
Turkey	0	...	...	0	...	...	0	...	...	0
Other Europe	1	0	7	5	1	4	4	4	0	0
Other Europe	1	0	7	5	1	4	4	4	0	0
Russia	2 482	1 675	1 915	2 144	2 132	2 062	2 192	2 207	2 289	2 848
Other CIS	46	...	3	...	...	0	0	...	...	0
C.I.S.	2 528	1 675	1 918	2 144	2 132	2 062	2 192	2 207	2 289	2 848
Canada	0	0	0	0	13	83	85	0	68	...
Mexico	...	...	...	...	55	...	...	...	...	...
Trinidad and Tobago	1 837	1 351	2 266	2 504	2 414	2 308	2 784	2 609	1 708	1 746
United States	28	36	9	14	8	5	4	21	178	640
Other North America	1	...	1	...	0	...	...	...	...	...
North America	1 866	1 386	2 276	2 518	2 490	2 396	2 873	2 630	1 954	2 386
Venezuela	2 875	1 406	1 802	1 768	2 117	800	56	928	1 156	1 233
Other South America	5	1	...	...	0	0	0	0	...	0
South America	2 880	1 407	1 802	1 768	2 117	800	56	928	1 156	1 233
Libya	103	106	212	59	34	206	285	120	130	108
South Africa	2	1	0	0	1	1	45	63	32	51
Other Africa	34	...	151	...	0	...	2	10	46	126
Africa	138	106	364	59	34	207	332	193	207	285
Iran	137	...	0	30	...	32	...	...	34	6
Oman	0	...	...	591	916	426	184	196	561	873
Qatar	119	207	145	170	36	46	41	18	0	91
Saudi Arabia	0	2	42	4	39	33	66	10	17	3
United Arab Emirates	...	...	30	2	1	187	50	13	25	73
Other Middle East	0	...	0	0	0	83	51	21	489	518
Middle East	257	209	217	797	992	807	392	259	1 126	1 563
China	12	5	213	151	112	224	60	41	1	15
India	29	17	69	70	126	117	167	132	262	500
Indonesia	...	0	1	0	42	0	21	1	...	1
Japan	1	1	1	1	1	1	1	1	...	...
DPR Korea (e)	0	6	10	9	5	10	12	2	...	...
South Korea	0	0	2	42	70	66	79	18	12	0
Malaysia	322	255	473	570	861	479	703	391	522	570
Other Asia	16	0	8	1	1	2	1	10	0	1
Asia	380	284	777	844	1 218	898	1 043	598	798	1 086
Australia	81	0	...	1	0	0	0	...	0	0
Other Oceania	...	1	...	0	...	...	...	...	0	0
Oceania	81	1	...	1	0	0	0	...	0	0
World	8 338	5 193	7 418	8 183	9 000	7 197	6 926	6 919	7 586	9 537

Table 48

Imports of Direct Reduced Iron

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	41	3	0	5	69	37	42	29	89	425
Belgium	1	0	23	30	18	31	12	37	43	125
Czech Republic	22	7	12	20	15	9	6	6	3	3
Denmark	3	1	2	2	2	27	36	26	13	6
Germany	28	248	425	232	127	335	537	640	590	951
Finland	1	217	0	0	0	0	0	0	0	0
France	78	18	47	80	34	42	33	74	59	198
Italy	362	147	241	499	509	652	663	1 042	1 122	1 123
Netherlands	339	328	370	398	414	189	189	82	15	60
Portugal	0	38	6	37	27	30	0	280	123	129
Spain	564	253	578	590	441	640	596	734	299	426
Sweden	0	0	0	17	33	37	30	32	30	31
United Kingdom	0	1	79	138	194	24	0	15	16	1
Other EU	182	26	15	27	1	1	2	37	9	19
European Union (28)	1 621	1 287	1 799	2 073	1 884	2 053	2 148	3 035	2 411	3 498
Turkey	88	21	14	0	5	29	46	47	77	250
Other Europe	5	0	3	39	36	24	7	33	0	0
Other Europe	94	22	17	39	41	53	53	80	77	250
Byelorussia	82	72	...	96	51	58	90	42	70	179
Moldova	46	60	...	33	15	12	11	...	...	...
Ukraine	530	128	346	326	260	61	39	11	45	2
Other CIS	0	...	...	0	0	...	30	25	22	96
C.I.S.	657	260	346	455	326	131	170	78	137	277
Canada	286	253	417	198	160	64	40	5	1	0
Mexico	5	26	...	130	185	109	159	203	549	577
United States	2 555	1 016	1 643	1 852	2 762	2 364	2 392	1 866	1 598	1 789
Other North America	0	...	4	40	0	1	...	2	...	47
North America	2 846	1 295	2 064	2 221	3 107	2 539	2 590	2 077	2 148	2 413
Argentina	0	92	118	0	32	0	38	93	0	0
Peru	...	43	47	29	52	41	40	55	...	33
Other South America	0	0	1 221	0	35	0	0	0	...	...
South America	0	135	1 386	30	119	41	78	147	0	33
Egypt	...	148	158	172	187	86	67	0	32	55
South Africa	2	0	0	0	1	0	1	0	...	40
Other Africa	2	1	11	3	2	2	1	50	221	489
Africa	4	149	170	175	189	88	69	50	254	583
Iran	138	39	0	...	...	...	...	...	...	...
Saudi Arabia	0	...	91	0	0	80	126	13	1 255	1 713
United Arab Emirates	0	...	1	5	...	0	1	0	0	0
Other Middle East	1	0	1	5	7	8	287	42	90	125
Middle East	139	39	93	10	7	89	415	55	1 345	1 839
China	600	1 779	1 379	1 383	1 071	606	405	182	67	20
India	0	1	39	422	1 069	671	178	38	22	90
Indonesia	290	223	156	178	350	182	37	34	3	59
Japan	76	...	226	242	84	63	124	29	25	9
South Korea	365	323	676	442	439	644	636	346	383	417
Malaysia	276	195	185	36	14	59	46	54	16	35
Other Asia	54	24	16	25	97	131	189	174	459	561
Asia	1 661	2 545	2 677	2 729	3 124	2 356	1 614	858	975	1 190
Australia	101	1	51	1	1	0	0	0	0	1
Other Oceania	0	...	...	0	...	0	0	...	0	33
Oceania	101	1	51	1	1	1	1	0	0	34
World	7 123	5 732	8 604	7 733	8 798	7 351	7 136	6 381	7 348	10 116

Table 49

Monthly Primary Iron Production

2017

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Austria	550	488	541	522	561	504	539	532	490	562	508	537	6 335
Belgium	411	391	434	427	427	364	364	426	393	445	410	400	4 860
Czech Republic	347	326	347	309	283	307	338	300	201	320	287	325	3 691
Finl/Rom/Swe (1)	690	597	661	682	686	635	656	578	646	662	436	613	7 642
France	948	811	856	815	981	868	967	941	893	888	791	918	10 678
Germany (1)	2 441	2 115	2 498	2 422	2 384	2 266	2 350	2 371	2 253	2 154	2 190	2 370	27 816
Hungary	95	97	109	113	114	106	113	108	115	113	113	117	1 311
Italy	471	392	429	426	455	447	421	418	409	384	400	399	5 052
Netherlands	541	465	507	494	551	551	527	539	399	523	535	514	6 145
Poland	436	388	402	441	440	429	450	463	420	424	409	452	5 151
Slovak Republic	360	329	325	347	359	344	353	360	353	360	337	355	4 106
Spain	369	359	399	340	380	383	395	349	368	386	382	352	4 462
United Kingdom	576	457	497	563	494	480	456	462	483	565	453	557	5 996
European Union (28)	8 235	7 216	8 004	7 869	8 115	7 684	7 935	7 765	7 424	7 786	7 252	7 909	93 246
Bosnia-Herzegovina	44	61	56	67	57	58	66	65	64	52	74	75	738
Serbia	82	77	134	139	109	93	127	140	89	79	125	146	1 340
Turkey	890	868	913	831	932	882	891	873	856	893	852	907	10 589
Other Europe	1 016	1 006	1 103	1 036	1 098	1 033	1 084	1 079	1 009	1 024	1 051	1 128	12 667
Kazakhstan	319	265	319	319	303	314	342	323	300	296	338	331	3 769
Russia (1)	4 403	3 969	4 550	4 412	4 296	4 059	4 307	4 394	4 265	4 332	4 444	4 605	52 036
Ukraine	1 850	1 437	1 559	1 474	1 591	1 511	1 552	1 807	1 849	1 788	1 816	1 889	20 123
C.I.S.	6 572	5 671	6 428	6 205	6 190	5 884	6 201	6 524	6 414	6 416	6 598	6 825	75 928
Canada	669	612	729	686	619	632	685	635	621	673	674	679	7 914
Mexico	825	836	903	837	892	891	870	842	846	855	841	817	10 256
United States	1 940	1 934	1 956	1 869	1 935	1 834	1 856	1 929	1 846	1 691	1 766	1 839	24 395
North America	3 434	3 382	3 588	3 392	3 446	3 358	3 411	3 406	3 313	3 219	3 281	3 335	42 564
Argentina	248	220	348	338	324	263	189	189	275	347	327	333	3 402
Brazil (2)	2 287	2 068	2 360	2 408	2 488	2 275	2 336	2 444	2 422	2 488	2 440	2 411	28 427
Chile	58	51	57	54	56	55	58	55	56	61	54	55	670
Colombia	18	13	15	18	14	15	17	19	18	18	21	17	203
Paraguay	3	2	2	3	2	3	3	4	4	4	4	4	38
Peru	0	0	0	0	0	0	0	0	0	0	0	0	0
Venezuela	34	40	74	71	57	44	0	19	28	67	38	20	491
South America	2 647	2 395	2 856	2 892	2 942	2 654	2 604	2 729	2 804	2 985	2 884	2 840	33 231
Egypt (3)	385	376	394	400	409	402	381	410	392	348	354	416	4 667
Libya	3	20	57	69	54	39	30	29	20	63	91	86	560
South Africa	440	389	430	423	479	410	395	475	462	444	461	468	5 277
Africa	828	785	880	892	943	851	807	913	874	854	906	969	10 504

Note: annual totals may include revisions not shown in the months.

Table 49
(continued)

Monthly Primary Iron Production

2017

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Iran	1 513	1 436	1 634	1 757	1 851	1 725	1 634	1 982	2 012	2 019	2 072	2 059	21 694
Qatar	236	157	152	235	219	225	194	232	230	238	220	210	2 548
Saudi Arabia (4)	408	434	298	429	400	481	434	452	472	375	301	327	4 812
United Arab Emirates	350	312	291	353	272	224	350	248	229	338	280	361	3 608
Middle East	2 508	2 339	2 375	2 774	2 742	2 655	2 612	2 914	2 943	2 970	2 873	2 958	32 662
China	60 562	54 701	61 115	63 351	64 336	63 465	64 802	66 669	63 570	60 015	54 883	54 723	710 760
India	7 962	7 643	8 187	7 956	7 951	7 627	7 911	8 092	7 991	8 208	8 193	8 592	96 313
Japan	6 921	6 224	6 563	6 514	6 700	6 250	6 533	6 676	6 376	6 571	6 424	6 579	78 330
South Korea	4 077	3 623	3 719	3 461	3 942	3 954	4 228	4 182	3 989	3 986	3 861	3 721	47 071
Pakistan	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan, China	1 261	1 195	1 269	1 242	1 332	1 232	1 271	1 265	1 183	1 023	1 012	1 076	14 361
Asia	80 783	73 386	80 852	82 525	84 261	82 528	84 745	86 885	83 109	79 802	74 372	74 692	946 835
Australia	323	277	300	313	320	314	319	303	290	335	325	340	3 758
New Zealand	60	53	49	60	61	59	59	60	47	59	55	60	683
Oceania	383	330	348	373	381	373	378	363	337	394	380	399	4 441
Total 46 countries	106 405	96 510	106 434	107 959	110 119	107 020	109 775	112 579	108 228	105 450	99 596	101 055	1252 077

(1) - pig iron only.

(2) - steel industry only.

(3) - D.R.I. only.

(4) - HADEED only.

Note: annual totals may include revisions not shown in the months.

Table 50

Production of Iron Ore

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria (1)	2 028	2 002	2 069	2 100	2 200	2 320	2 400	2 775	2 773	2 975
Germany (1)(2)	455	364	390	488	448	413	456	450	514	500
Slovak Republic	212	...	...	...	...	...	...	...	...	...
Sweden	23 848	17 680	25 292	26 113	26 540	27 285	28 144	24 600	26 900	27 200
European Union (28)	26 543	20 046	27 751	28 701	29 188	30 018	31 000	27 825	30 187	30 675
Bosnia-Herzegovina	1 200	1 100	1 400	1 900	2 100	2 100	2 100	2 123	1 752	1 600
Norway	1 600	1 900	2 640	1 900	3 280	3 440	3 792	3 290	1 800	1 700
Turkey	4 697	3 855	5 814	6 450	6 557	8 492	10 718	9 994	7 520	6 226
Other Europe	7 497	6 855	9 854	10 250	11 937	14 032	16 610	15 407	11 072	9 526
Azerbaijan	28	...	58	214	215	145	115	...	26	26
Kazakhstan	17 295	17 785	17 921	17 636	16 722	19 373	15 546	11 359	10 064	10 874
Russia	99 272	92 050	99 060	103 805	103 337	102 497	101 448	101 973	104 007	106 508
Ukraine	71 807	65 827	79 170	81 189	80 826	83 696	82 409	81 966	74 967	60 498
C.I.S.	188 402	175 662	196 208	202 845	201 099	205 711	199 518	195 298	189 064	177 906
Canada (3)	33 386	32 972	37 501	37 101	39 401	41 841	44 196	45 954	46 731	49 009
Mexico (4)	11 688	11 677	13 998	12 806	14 916	18 840	17 248	20 397	19 059	17 188
United States	53 600	26 700	49 900	54 700	54 000	52 800	56 100	46 100	41 800	47 642
North America	98 674	71 350	101 399	104 606	108 317	113 481	117 544	112 451	107 590	113 838
Argentina	...	98	100	285	485	435	328	300	...	...
Brazil	346 000	305 000	372 000	397 000	380 086	391 100	399 400	416 453	434 046	435 532
Chile	8 427	8 534	10 495	11 995	12 060	11 750	13 030	15 431	16 080	16 089
Colombia	473	281	77	174	392	710	676	366	716	700
Peru	7 856	7 186	8 957	9 838	10 639	7 014	7 193	7 321	7 663	8 668
Venezuela	21 463	14 900	14 331	16 348	16 347	7 831	5 854	8 251	7 306	4 601
South America	384 219	335 999	405 959	435 640	420 008	418 840	426 481	448 122	465 811	465 590
Algeria	2 077	1 307	1 400	1 600	1 784	1 067	911	700	945	945
Egypt	773	1 780	1 400	1 500	3 930	1 422	1 500	1 500	1 500	1 500
Liberia	...	...	...	1 300	3 250	4 100	4 900	4 300	1 522	2 000
Mauritania	11 222	11 400	11 109	11 176	11 170	12 532	13 306	11 607	13 275	11 714
Sierra Leone	...	...	...	1 300	6 730	16 490	21 420	2 563	6 577	6 956
South Africa	48 983	55 423	55 000	52 900	59 000	71 645	80 741	72 806	66 456	62 258
Tunisia	209	150	150	200	223	243	308	285	285	285
Africa	63 264	70 060	69 059	69 976	86 087	107 499	123 086	93 760	90 559	85 657
Iran	32 000	33 000	35 549	38 260	43 497	48 693	48 451	39 370	43 280	55 087
Middle East	32 000	33 000	35 549	38 260	43 497	48 693	48 451	39 370	43 280	55 087

Table 50
(continued)

Production of Iron Ore

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Burma	243	454	2 404	2 729	1 593	2 525	2 971	1 210	1 400	2 551
China (5)	780 141	884 568	1 080 161	1 335 025	1 327 300	1 522 129	1 514 238	1 381 288	1 150 000	1 229 373
China (4)	325 882	240 999	357 000	358 900	289 000	266 087	193 215	123 500	113 700	115 000
India	223 000	223 600	209 000	191 800	152 600	136 100	139 700	142 500	184 511	201 815
Indonesia	4 455	4 561	8 976	11 815	11 546	21 566	5 951	3 839	3 800	900
D.P.R. Korea (e)	5 316	5 300	5 300	5 300	5 100	3 444	3 212	1 931	2 000	2 044
South Korea (3)	452	421	460	499	552	663	693	445	445	400
Malaysia	982	1 470	3 558	8 078	12 144	12 134	9 615	1 625	1 914	2 594
Mongolia	1 387	1 380	3 203	5 678	7 561	6 011	6 911	5 754	5 834	8 063
Thailand	2 029	1 401	977	489	303	390	348	32	...	...
Viet Nam	1 372	1 905	1 972	2 371	1 506	2 495	2 308	2 691	3 154	3 513
Asia	565 118	481 490	592 849	587 659	481 905	451 416	364 925	283 527	316 758	336 879
Australia	349 822	394 068	432 779	477 332	520 032	608 900	745 735	811 239	858 026	883 357
New Zealand	2 020	2 093	2 439	2 357	2 395	3 157	3 245	3 164	3 496	4 008
Oceania	351 842	396 161	435 218	479 689	522 427	612 057	748 980	814 403	861 521	887 365
World	1 717 559	1 590 622	1 873 847	1 957 627	1 904 465	2 001 748	2 076 595	2 030 164	2 115 842	2 162 524

(1) - low Fe content.

(2) - not for steel production.

(3) - deliveries.

(4) - converted to correspond with world average Fe content - Source: UNCTAD.

(5) - total production including ore with low Fe content and not included in totals.

(6) - iron sands.

Sources: UNCTAD, Russian Steel, RMG Consulting, et al.

Table 51

Exports of Iron Ore

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Belgium-Luxembourg	90	179	366	458	38	8	2	6	...	7
Germany	34	4	22	44	40	44	66	65	45	70
Finland	...	...	299	555	0	...	2 103	38	184	180
France	58	124	19	129	88	168	90	100	78	18
Hungary	...	...	52	64	63	11	2	0	...	...
Netherlands	24 750	16 345	24 993	18 543	20 931	21 092	21 800	23 362	18 675	18 742
Slovak Republic	...	...	...	22	119	416	98	14	42	27
Sweden	17 617	16 104	20 673	21 115	22 855	23 217	23 726	20 090	22 723	23 672
Other EU	18	50	26	189	189	448	277	376	233	595
European Union (28)	42 568	32 806	46 451	41 119	44 322	45 404	48 165	44 051	41 980	43 310
Bosnia-Herzegovina	657	327	500	428	694	...	365	145	112	68
Norway	615	776	1 803	2 435	3 659	3 567	4 016	3 804	1 860	1 717
Other Europe	4	...	...	316	363	1 066	1 078	338	393	763
Other Europe	1 276	1 103	2 303	3 180	4 716	4 633	5 460	4 288	2 365	2 548
Kazakhstan	15 200	15 856	17 969	8 443	12 616	7 088	14 494	8 365	1 563	1 309
Russia	24 630	17 968	19 946	26 609	25 464	25 580	22 997	21 241	18 543	21 040
Ukraine	22 779	27 613	32 742	34 124	35 053	37 986	40 836	45 653	39 203	37 409
C.I.S.	62 609	61 437	70 657	69 176	73 133	70 654	78 328	75 259	59 309	59 758
Canada	28 056	31 107	32 483	33 812	34 471	38 023	40 301	36 864	40 596	41 174
Honduras	...	...	...	601	1 337	1 715	1 358	80	2	0
Mexico	1 952	3 815	3 815	4 906	4 406	10 105	2 291	176	41	114
Trinidad and Tobago	...	...	...	142	116	37	0	0	125	153
United States	11 164	3 918	9 951	11 073	11 179	11 041	12 385	8 157	8 761	10 609
North America	41 172	38 840	46 249	50 534	51 510	60 922	56 335	45 277	49 525	52 050
Argentina	...	...	...	268	367	480	406	310	170	26
Brazil	281 683	266 040	310 931	330 830	326 515	329 639	344 385	366 194	373 963	383 537
Chile	5 446	8 784	7 933	10 303	11 661	12 254	14 120	14 127	15 506	14 696
Peru	7 231	7 111	8 499	9 019	9 088	9 006	11 520	9 944	9 687	7 538
Venezuela	5 471	3 465	8 067	6 341	7 023	3 802	3 683	6 016	5 378	2 770
South America	299 831	285 400	335 430	356 762	354 654	355 180	374 114	396 591	404 704	408 568
Liberia	...	...	...	72	2 038	4 295	5 034	5 438	2 360	1 522
Mauritania	10 968	10 296	11 109	11 484	12 255	13 076	14 599	12 132	13 447	11 548
Sierra Leone	...	...	...	51	3 961	11 996	19 190	2 585	4 108	6 985
South Africa	31 592	44 559	47 971	53 343	54 002	62 763	64 799	65 254	64 707	66 432
Africa	42 560	54 855	59 080	64 950	72 255	92 129	103 623	85 409	84 622	86 487
Bahrain	3 500	3 600	6 200	6 000	5 000	2 900	218	128	628	6 727
Iran	5 395	7 107	14 833	16 675	17 534	22 462	21 796	13 125	17 869	21 783
Other Middle East	...	...	...	716	827	1 727	1 093	2 091	5 569	5 976
Middle East	8 895	10 707	21 033	23 391	23 361	27 089	23 107	15 344	24 066	34 486
India	101 404	90 747	95 931	39 156	28 432	14 426	9 844	4 211	21 697	28 057
Indonesia	6 513	49	8 656	13 889	11 546	22 308	3 162	3 130	3 808	1 999
DPR Korea (e)	1 900	1 800	2 100	2 508	2 412	3 061	2 830	1 543	1 638	1 659
Malaysia	805	825	2 815	5 697	8 931	12 428	11 610	13 262	22 384	23 026
Mongolia	1 400	1 300	2 700	5 497	6 330	7 387	6 911	5 876	6 241	6 581
Philippines	...	...	...	...	1 378	1 086	1 265	1 577	1 110	1 629
Viet Nam	1 200	1 800	1 900	2 895	1 749	4 502	1 518	266	948	3 513
Other Asia	22	3	128	3 710	3 569	4 345	5 574	3 565	3 557	10 169
Asia	113 244	96 524	114 230	73 350	64 345	69 543	42 715	33 429	61 382	76 633
Australia	308 931	380 523	427 389	465 625	524 056	613 379	754 302	810 529	854 443	872 751
New Zealand	459	819	810	233	1 665	1 971	2 201	2 071	3 214	2 931
Oceania	309 390	381 342	428 199	465 858	525 722	615 349	756 503	812 600	857 657	875 682
World	921 544	963 015	1 123 632	1 148 320	1 214 018	1 340 904	1 488 349	1 512 248	1 585 609	1 639 523

Table 52

Imports of Iron Ore

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	5 017	3 471	5 955	6 732	6 056	5 864	5 100	5 137	4 152	5 695
Belgium-Luxembourg	12 726	3 255	7 527	7 430	6 311	6 351	6 812	6 631	6 998	7 509
Bulgaria	526	139	0	1	2	10	14	1	1	3
Czech Republic	6 800	4 803	3 853	7 366	5 871	6 237	6 305	6 370	6 345	5 464
Denmark	99	49	51	100	78	40	29	53	85	49
Germany	44 339	28 812	43 082	39 672	40 724	40 930	43 030	40 964	41 273	38 265
Finland	3 121	2 204	2 984	3 045	3 221	2 903	3 078	3 423	3 516	3 166
France	18 290	10 015	15 245	13 512	13 604	15 285	17 106	15 655	13 947	16 238
Hungary	1 900	1 493	1 888	1 781	1 632	845	1 265	1 641	1 208	1 968
Italy	16 313	8 160	10 863	14 675	13 434	11 522	9 511	8 076	9 151	7 663
Netherlands	32 639	21 638	33 944	33 432	28 269	31 883	29 675	30 911	30 574	28 080
Poland	7 785	3 752	5 563	5 968	6 583	6 640	7 433	7 247	7 061	7 615
Romania	4 446	806	2 462	2 187	2 023	2 546	2 226	2 964	2 720	2 672
Slovak Republic	5 536	4 186	5 174	5 103	5 404	5 647	6 012	5 536	6 031	6 087
Spain	6 328	3 951	5 877	5 144	4 506	6 259	5 699	6 377	6 010	6 546
Sweden	71	41	55	51	44	26	26	70	175	171
United Kingdom	15 283	9 186	10 597	9 175	10 062	14 137	14 469	12 047	9 292	9 711
Other E.U.	0	18	1	4	5	4	11	28	22	23
European Union (28)	181 219	105 979	155 124	155 378	147 830	157 129	157 800	153 130	148 560	146 926
Norway	152	134	149	128	93	74	49	27	75	87
Serbia	3 100	3 100	3 422	1 621	241	338	293	1 287	1 771	2 154
Turkey	6 900	5 685	6 382	6 644	7 842	8 114	8 544	10 011	10 418	10 931
Other Europe	6	23 110	5	149	12	9	13	12	14	16
Other Europe	10 158	32 029	9 959	8 542	8 188	8 536	8 900	11 338	12 277	13 188
Kazakhstan	1 936	504	624	...	0	...	0	...	...	...
Russia	11 752	8 404	4 524	146	225	86	10 341	8 103	7 203	8 458
Ukraine	2 869	3 339	2 738	1 838	2 882	3 110	3 212	2 255	1 765	297
Other CIS	...	...	...	7	45	22	48	52	186	188
C.I.S.	16 556	12 247	7 886	1 991	3 153	3 219	13 601	10 410	9 154	8 943
Canada	9 073	3 103	8 126	7 129	6 500	6 112	8 955	6 596	7 100	7 992
Mexico	3 875	557	1 426	1 460	1 368	1 142	1 551	1 460	3 699	2 541
Trinidad and Tobago	4 252	2 340	4 347	4 381	4 691	4 659	5 445	7 779	5 890	3 786
United States	9 236	3 868	6 417	5 268	5 132	3 172	5 097	4 550	3 079	6 371
Other North America	0	1	0	257	5	1	0	0	0	1
North America	26 435	9 869	20 316	18 494	17 696	15 086	21 049	20 385	19 768	20 690
Argentina	7 176	3 229	6 400	6 891	5 328	5 828	6 385	5 189	4 298	4 864
Brazil	66	155	126	0	0	0	5	0	0	0
Colombia	150	20	9	4	3	3	0	1	1	1
Paraguay	...	...	...	135	48	49	81	108	122	117
Peru	170	0	30	30	0	0	0	0	0	0
Venezuela	387	...	...	182	0	0	...	...	...	...
Other South America	...	0	1	0	1	0	0	0	1	1
South America	7 948	3 404	6 565	7 241	5 382	5 879	6 471	5 297	4 422	4 983
Algeria	213	0	117	11	26	0	0	0	3	4
Egypt	3 562	4 583	4 178	4 343	4 235	3 824	3 249	2 209	4 062	5 547
Libya	2 539	1 304	2 257	63	844	1 819	1 377	306	888	1 087
South Africa	485	352	401	417	558	476	479	429	341	466
Other Africa	86	0	1	85	12	167	371	2	51	813
Africa	6 884	6 239	6 953	4 918	5 675	6 287	5 476	2 946	5 344	7 917

Table 52
(continued)

Imports of Iron Ore

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Bahrain	7 964	4 144	6 330	7 217	5 103	2 969	5 460	6 059	4 853	5 636
Iran	929	216	...	...	39	0	500	492	65	...
Qatar	1 616	1 680	1 777	3 797	2 714	2 431	2 268	2 451	1 630	3 104
Saudi Arabia	7 638	6 039	9 019	7 516	4 161	3 575	5 111	4 031	6 596	6 685
United Arab Emirates	300	199	3 130	2 807	3 050	3 051	2 703	3 850	2 282	3 902
Other Middle East	0	47	154	6 466	10 254	10 137	10 506	10 943	9 164	13 208
Middle East	18 447	12 324	20 411	27 803	25 321	22 163	26 549	27 825	24 590	32 534
Bangladesh	102	101	0	158	...	...	...	0	...	...
China	444 028	628 175	618 915	686 747	745 434	820 175	933 108	953 370	1 024 709	1 075 398
Hong Kong	835	1 281	786	811	242	724	4 754	3 655	3 647	2 358
India	600	623	450	1 316	2 822	1 115	7 413	9 515	3 597	5 362
Indonesia	2 300	1 488	2 029	1 804	973	1 932	3 869	5 424	5 110	5 420
Japan	140 351	105 471	134 335	128 489	131 114	135 886	136 436	131 010	130 035	126 526
South Korea	49 441	41 601	56 298	64 857	65 998	63 372	73 507	73 282	71 741	72 428
Malaysia	3 043	2 523	3 199	2 852	3 291	1 711	3 814	14 742	22 966	21 909
Pakistan	489	37	2	116	...	0	80	...	...	0
Philippines	2 700	1 066	2 334	3 045	6 746	6 891	6 352	15 836	3 287	5 050
Singapore	...	...	...	...	1	0	1	1	1	8
Taiwan, China	15 571	11 912	18 930	20 507	18 396	21 773	23 039	23 814	23 462	23 673
Thailand	40	...	...	82	11	11	4	...	...	...
Other Asia	1 604	1 940	1 807	245	14 110	234	114	298	14 640	4 312
Asia	661 105	796 219	839 084	911 030	989 138	1 053 825	1 192 491	1 230 947	1 303 195	1 342 443
Australia	4 649	3 852	5 503	4 987	3 951	4 070	3 003	2 792	815	341
Other Oceania	0	0	0	1	1	1	1	1	0	0
Oceania	4 649	3 852	5 503	4 988	3 952	4 071	3 004	2 793	815	342
World	933 401	982 162	1 071 802	1 140 385	1 206 334	1 276 195	1 435 340	1 465 071	1 528 125	1 577 967

Table 53

Exports of Scrap

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	1 397	1 700	969	952	978	999	1 077	1 051	1 114	1 231
Belgium	3 161	3 245	3 701	3 544	3 476	3 212	3 931	3 152	3 540	3 756
Bulgaria	740	511	949	851	731	611	399	240	240	399
Croatia	324	304	357	463	517	364	352	306	362	408
Cyprus	72	80	97	139	135	104	79	64	58	67
Czech Republic	1 793	1 441	1 775	1 993	1 901	1 880	2 045	1 751	1 774	2 101
Denmark	1 118	1 180	1 626	1 915	1 537	1 270	1 703	1 277	1 572	1 568
Estonia	635	384	507	537	593	489	415	291	369	561
Germany	8 269	7 275	9 176	9 034	8 924	8 378	8 433	7 492	8 675	8 174
Finland	308	273	224	337	363	326	398	353	318	336
France	5 796	5 145	6 683	6 167	6 118	5 985	6 177	5 380	5 428	6 176
Greece	36	35	67	87	57	71	62	24	17	38
Hungary	692	534	1 118	1 216	1 108	1 048	1 019	843	906	911
Ireland	478	392	469	588	491	404	440	349	350	447
Italy	388	325	422	318	325	254	269	309	353	426
Latvia	339	214	342	523	489	469	517	457	341	404
Lithuania	652	415	579	656	535	473	540	508	526	820
Luxembourg	347	115	121	91	83	75	90	100	117	111
Malta	25	28	29	38	34	28	49	29	38	45
Netherlands	3 931	4 340	5 080	4 482	4 798	4 195	3 994	4 055	5 037	5 572
Poland	1 369	911	1 283	1 660	1 833	1 909	2 005	1 431	1 340	1 397
Portugal	172	173	237	141	167	245	230	215	216	434
Romania	1 960	2 565	2 517	2 340	1 894	1 946	1 422	710	702	816
Slovak Republic	489	313	504	633	414	353	489	486	570	556
Slovenia	199	285	343	408	414	394	415	396	370	445
Spain	215	286	277	425	663	510	600	345	331	398
Sweden	1 449	1 415	1 313	1 422	1 525	1 298	1 441	1 246	1 389	1 402
United Kingdom	6 640	6 008	7 519	7 814	7 299	6 948	6 987	7 270	8 130	9 396
European Union (28)	42 997	39 894	48 285	48 774	47 403	44 238	45 577	40 129	44 183	48 396
Albania	94	102	194	97	100	24	23	17	32	23
Bosnia-Herzegovina	169	90	136	227	218	184	156	121	117	206
Macedonia	184	72	154	73	53	30	29	35	46	40
Montenegro	49	15	51	39	43	29	17	4	2	28
Norway	269	228	338	290	346	363	423	420	459	483
Serbia	346	67	417	358	373	330	267	168	161	300
Switzerland	636	565	624	628	627	712	632	620	681	757
Turkey	78	67	94	106	95	102	168	145	156	172
Other Europe	82	68	55	54	44	114	69	52	61	60
Other Europe	1 908	1 275	2 063	1 872	1 898	1 889	1 784	1 582	1 715	2 068
Byelorussia	37	5	4	28	19	10	13	11	12	9
Georgia	421	383	427	402	199	52	23	15	4	13
Kazakhstan	1 797	856	816	866	781	726	14	7	194	11
Kyrgyzstan	28	25	28	54	17	2	1	0	0	3
Moldova	334	2	189	89	28	127	4	1	1	4
Russia	5 128	1 202	2 390	4 042	4 349	3 714	5 765	5 910	5 524	5 247
Ukraine	636	891	665	802	367	255	928	1 208	273	487
Other CIS	9	0	5	4	4	2	2	2	27	14
C.I.S.	8 390	3 363	4 526	6 286	5 763	4 888	6 751	7 155	6 035	5 787

Table 53
(continued)

Exports of Scrap

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Canada	4 048	4 793	5 191	4 846	4 248	4 521	4 510	3 415	3 632	4 409
Costa Rica	106	87	114	144	131	143	147	120	83	103
Dominican Republic	229	86	143	225	198	176	229	124	120	161
El Salvador	46	16	55	64	42	31	31	20	11	19
Guatemala	34	7	19	30	22	30	33	10	18	22
Haiti	76	21	35	43	50	24	37	27	26	32
Honduras	84	41	70	76	60	60	65	59	51	72
Jamaica	68	40	66	90	5	19	40	17	21	30
Mexico	...	702	1 014	1 053	858	779	701	459	416	626
Nicaragua	51	37	58	77	63	54	53	46	39	40
Panama	193	87	135	169	134	67	153	119	215	268
Trinidad and Tobago	136	16	50	49	58	62	82	52	48	53
United States	21 712	22 439	20 557	24 373	21 397	18 495	15 340	12 976	12 819	15 016
Other North America	91	50	98	106	137	125	89	40	28	57
North America	26 872	28 420	27 606	31 344	27 403	24 585	21 511	17 482	17 527	20 908
Bolivia	28	16	36	46	44	40	52	49	30	41
Brazil	119	115	80	259	444	453	648	679	611	589
Chile	69	61	131	267	221	204	337	253	221	262
Colombia	28	36	92	107	63	76	64	34	27	56
Ecuador	75	40	17	3	3	3	4	3	4	3
Paraguay	56	36	58	53	58	54	57	77	51	82
Other South America	55	33	26	56	78	76	27	30	16	15
South America	431	337	441	791	912	907	1 189	1 125	960	1 049
Algeria	667	668	379	1	0	...	0	0	0	...
Egypt	941	30	786	32	46	30	23	13	32	26
Ghana	66	48	53	74	57	23	32	12	10	10
Morocco	206	36	133	31	35	72	64	47	48	20
South Africa	1 270	1 144	1 224	1 436	1 632	1 485	1 486	1 266	644	467
Zimbabwe	70	42	51	28	8	8	37	21	8	4
Other Africa	950	467	747	1 024	821	685	623	627	526	854
Africa	4 170	2 435	3 374	2 626	2 598	2 302	2 265	1 985	1 268	1 382
Bahrain	59	68	81	112	106	96	107	61	66	162
Iran	99	7	69	12	21	2	0	0	2	1
Israel	276	278	414	378	338	209	265	141	201	285
Kuwait	233	124	201	221	221	123	130	55	36	67
Lebanon	283	323	512	553	365	408	265	173	248	383
United Arab Emirates	1 114	731	1 231	1 271	1 004	920	1 162	964	901	786
Other Middle East	332	87	126	146	139	111	92	70	45	270
Middle East	2 396	1 617	2 635	2 693	2 195	1 869	2 022	1 464	1 498	1 954
China	204	9	373	25	1	0	1	1	1	2 230
Hong Kong	1 318	823	873	806	729	622	635	508	537	1 380
Indonesia	75	39	40	40	41	42	42	52	59	70
Japan	5 344	9 398	6 472	5 453	8 594	8 150	7 351	7 847	8 706	8 208
South Korea	369	485	459	397	236	205	298	418	559	621
Malaysia	38	78	101	70	80	53	52	47	151	273
Philippines	713	391	547	543	253	170	403	188	512	486
Singapore	624	556	585	606	852	978	911	844	1 048	790
Taiwan, China	145	154	93	104	96	74	67	62	77	104
Thailand	361	342	547	567	481	437	384	397	431	388
Other Asia	1 849	2 089	2 233	454	347	277	308	219	254	420
Asia	11 040	14 363	12 323	9 066	11 709	11 007	10 453	10 583	12 335	14 971
Australia	1 708	1 925	1 636	1 745	2 245	2 200	2 362	1 898	1 583	1 979
New Zealand	274	318	359	358	363	352	367	413	609	572
Other Oceania	53	43	72	86	81	62	53	30	20	63
Oceania	2 034	2 285	2 067	2 189	2 688	2 614	2 781	2 341	2 212	2 615
World	100 238	93 990	103 320	105 642	102 568	94 299	94 332	83 848	87 732	99 129

Table 54

Imports of Scrap

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	1 797	1 702	967	998	1 060	1 141	1 188	1 098	1 018	1 040
Belgium	4 830	3 679	5 294	4 633	4 054	4 213	4 760	4 167	4 084	4 643
Bulgaria	246	202	697	230	114	93	115	105	92	101
Czech Republic	502	372	393	463	456	546	565	493	475	442
Denmark	392	236	242	342	229	236	253	113	101	135
Estonia	532	9	277	10	7	20	36	55	84	126
Germany	5 675	3 865	5 305	6 180	5 484	5 340	5 045	4 236	4 348	4 463
Finland	569	466	745	700	203	49	81	65	10	15
France	3 219	2 423	2 416	2 658	2 705	2 363	2 473	2 247	1 806	1 909
Greece	1 485	1 159	995	935	498	301	455	438	764	889
Hungary	146	31	54	44	47	47	70	97	90	94
Italy	5 705	3 321	4 591	5 747	5 264	4 957	5 145	4 643	4 434	5 209
Latvia	681	214	612	365	883	318	201	124	110	140
Lithuania	491	30	320	72	56	30	35	24	30	84
Luxembourg	3 391	1 830	1 722	2 449	1 682	805	1 403	903	2 258	2 197
Netherlands	1 563	1 851	1 803	1 612	1 872	1 742	1 885	1 641	1 940	2 238
Poland	466	597	372	403	385	507	481	745	779	806
Portugal	1 128	481	323	460	587	1 279	1 352	1 490	1 396	1 616
Slovak Republic	169	155	331	149	339	380	234	165	162	253
Slovenia	367	282	515	558	550	538	576	514	531	571
Spain	6 657	4 642	5 712	4 597	4 289	4 705	4 827	5 030	3 965	4 101
Sweden	193	174	225	238	236	256	295	261	275	293
United Kingdom	237	220	277	425	286	303	351	302	266	345
Other E.U.	107	16	1 644	51	53	62	99	101	130	184
European Union (28)	40 550	27 957	35 833	34 318	31 338	30 233	31 926	29 058	29 150	31 894
Albania	36	84	236	160	99	39	105	49	2	81
Macedonia	243	201	275	287	135	47	129	71	81	168
Montenegro	117	33	51	34	8	7	2	13	4	6
Norway	97	91	109	139	211	203	156	184	266	278
Serbia	251	10	270	35	90	169	148	105	24	18
Switzerland	506	313	453	456	344	417	426	474	459	521
Turkey	17 415	15 666	19 200	21 453	22 415	19 725	19 068	16 251	17 716	20 980
Other Europe	203	33	47	34	23	22	24	13	24	21
Other Europe	18 868	16 430	20 640	22 598	23 325	20 631	20 058	17 159	18 576	22 074
Byelorussia	1 437	1 294	1 595	1 561	1 356	1 239	1 253	1 382	1 235	1 353
Moldova	716	304	143	121	27	73	101	256	5	309
Russia	95	9	27	0	4	5	264	235	444	755
Ukraine	164	11	10	127	116	239	28	3	22	25
Uzbekistan	142	227	276	249	250	297	0	0	153	5
Other CIS	1 799	857	821	868	871	734	18	1	14	10
C.I.S.	4 353	2 702	2 872	2 924	2 624	2 587	1 665	1 876	1 874	2 458
Canada	1 691	1 424	3 049	1 925	2 343	1 746	1 520	1 516	1 839	2 115
Mexico	851	850	934	733	946	864	915	1 483	1 893	1 782
United States	3 570	2 986	3 773	4 003	3 711	3 882	4 215	3 513	3 864	4 636
Other North America	39	39	21	116	69	25	12	19	12	61
North America	6 152	5 299	7 777	6 777	7 070	6 517	6 661	6 530	7 607	8 594
Brazil	44	28	134	79	51	55	23	25	33	20
Peru	171	174	308	192	265	340	372	430	415	500
Other South America	76	14	199	105	140	186	204	141	163	281
South America	291	217	641	375	456	581	598	597	611	801

Table 54
(continued)

Imports of Scrap

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Egypt	2 398	1 299	2 736	2 644	2 021	2 891	2 971	928	1 028	2 035
Morocco	158	220	182	448	474	292	360	563	312	350
South Africa	85	41	54	32	11	28	101	74	66	67
Other Africa	15	80	13	18	18	40	19	23	10	25
Africa	2 657	1 639	2 985	3 141	2 524	3 251	3 451	1 587	1 416	2 477
Iran	85	6	3	6	5	24	2	1	15	13
United Arab Emirates	54	57	41	90	45	41	184	62	52	125
Other Middle East	9	52	49	133	183	76	975	584	656	956
Middle East	147	116	93	228	232	140	1 161	647	723	1 094
Bangladesh	337	545	238	325	205	279	459	946	2 011	2 142
China	3 590	13 692	5 848	6 767	4 974	4 465	2 564	2 328	2 162	2 326
Hong Kong	323	317	258	269	155	151	108	135	87	309
India	4 579	4 727	4 643	6 175	8 156	5 632	5 699	6 710	6 380	5 365
Indonesia	1 907	1 500	1 644	2 157	1 944	2 399	2 137	1 020	1 020	1 857
Japan	699	194	491	580	225	234	370	149	176	232
South Korea	7 319	7 800	8 091	8 628	10 126	9 260	8 002	5 758	5 845	6 175
Malaysia	2 303	1 741	2 308	2 050	1 816	1 921	961	446	316	844
Pakistan	764	1 806	793	955	922	874	1 340	2 119	2 388	2 830
Singapore	439	347	345	299	295	130	114	46	52	225
Taiwan, China	5 539	3 912	5 364	5 328	4 954	4 446	4 272	3 373	3 155	2 919
Thailand	2 752	1 490	1 483	1 877	1 701	961	1 383	945	953	1 741
Viet Nam	853	1 830	1 889	1 451	2 169	2 131	2 277	2 466	3 286	4 550
Other Asia	242	452	102	54	179	80	39	73	58	68
Asia	31 646	40 351	33 497	36 917	37 821	32 963	29 724	26 514	27 888	31 581
Australia	5	2	3	3	5	2	23	22	81	52
New Zealand	2	0	228	18	16	14	15	9	7	8
Other Oceania	4	13	38	36	1	32	0	0	0	49
Oceania	10	15	269	57	22	48	37	31	88	108
World	104 675	94 727	104 606	107 335	105 411	96 951	95 283	83 999	87 933	101 081

Table 55

Indirect Exports of Steel

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Austria	3 840	3 834	2 706	3 189	3 574	3 588	3 606	3 661	3 685	3 761
Belgium-Luxembourg	6 753	6 916	5 466	5 471	6 436	7 272	7 942	7 566	6 826	7 644
Bulgaria	434	402	278	358	488	483	477	493	509	496
Croatia	647	711	380	430	438	420	337	376	438	441
Cyprus	18	17	23	15	13	15	14	16	16	8
Czech Republic	5 644	5 812	4 425	5 067	6 077	6 149	6 287	6 652	6 998	7 284
Denmark	1 750	1 977	1 412	1 482	1 852	1 684	1 667	1 843	1 597	1 608
Estonia	335	356	295	334	345	379	386	336	331	301
Finland	1 397	1 415	1 006	1 000	955	1 004	1 171	1 022	1 002	888
France	12 035	11 322	7 367	8 609	9 444	8 579	7 941	7 889	8 561	8 237
Germany	30 095	30 249	22 106	26 839	30 405	30 110	30 650	32 061	32 201	32 991
Greece	284	286	228	240	292	301	179	278	274	284
Hungary	2 117	2 249	1 613	1 890	2 169	2 201	2 484	2 754	2 944	3 017
Ireland	337	331	251	270	359	348	344	335	345	341
Italy	13 568	15 292	10 284	12 047	13 086	12 802	12 823	12 980	13 234	13 535
Latvia	177	209	158	189	240	230	222	246	229	240
Lithuania	853	688	477	582	718	724	750	661	508	539
Malta	13	10	8	7	7	10	9	12	12	13
Netherlands	6 304	6 175	3 946	5 137	6 913	6 882	7 394	6 864	5 594	5 882
Poland	7 051	7 373	6 145	6 799	7 842	8 210	8 641	9 103	9 400	8 704
Portugal	1 493	1 522	1 202	1 316	1 461	1 717	1 720	1 717	1 691	1 681
Romania	1 403	1 529	1 438	1 613	1 852	1 846	2 034	2 119	2 168	2 375
Slovak Republic	2 661	2 815	1 912	2 263	2 607	2 931	3 205	3 327	3 517	3 532
Slovenia	1 195	1 151	880	951	996	955	953	1 002	1 056	1 421
Spain	7 368	9 662	7 706	8 068	9 091	8 612	8 696	8 942	9 205	9 584
Sweden	3 272	3 157	2 064	2 575	2 970	2 746	2 666	2 645	2 704	3 010
United Kingdom	7 089	6 833	4 684	5 647	6 207	5 997	5 998	5 848	5 815	5 983
European Union (28)	118 134	122 294	88 461	102 389	116 836	116 195	118 596	120 748	120 859	123 801
Norway	1 222	1 575	1 164	1 117	1 143	671	650	784	712	947
Serbia and Montenegro	305	346	259	261	284	314	477	473	499	535
Switzerland	1 411	1 355	1 037	1 162	1 235	1 178	1 183	1 188	1 189	1 169
Turkey	5 226	5 787	4 359	4 729	5 181	5 471	5 831	6 238	6 328	6 468
Other Europe	8 164	9 064	6 819	7 268	7 843	7 633	8 142	8 683	8 728	9 119
Belarus	1 057	1 068	710	923	1 142	1 267	1 145	1 070	868	1 016
Kazakhstan	274	297	139	89	211	187	182	150	63	142
Russia	2 548	2 246	1 582	1 302	1 167	2 038	2 056	1 929	2 226	1 858
Ukraine	2 249	2 036	1 310	1 945	2 152	2 433	1 731	1 018	756	584
C.I.S.	6 129	5 647	3 740	4 259	4 672	5 926	5 114	4 167	3 913	3 600
Canada	7 735	5 891	3 825	4 836	5 645	5 839	5 166	5 823	5 685	6 570
Mexico	9 209	8 190	5 880	8 523	10 655	11 475	12 188	13 851	14 326	15 502
United States	20 863	20 156	13 792	18 682	22 937	22 013	21 315	22 398	19 936	20 787
N.A.F.T.A.	37 808	34 236	23 498	32 042	39 237	39 327	38 669	42 072	39 946	42 859
Argentina	817	924	672	895	1 014	882	890	713	526	484
Brazil	3 449	3 432	2 069	2 648	2 868	2 812	2 963	2 363	2 357	2 665
Chile	213	254	175	260	337	287	330	372	331	346
Colombia	263	212	154	148	151	171	188	164	153	152
Ecuador	74	84	72	72	65	91	61	50	52	47
Peru	48	58	57	80	76	106	101	100	91	104
Venezuela	94	239	47	20	68	23	48	16	18	4
South America	4 958	5 202	3 248	4 122	4 578	4 372	4 580	3 779	3 528	3 803

Table 55
(continued)

Indirect Exports of Steel

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Algeria	3	5	4	2	3	15	2	1	8	4
Angola	2	3	10	18	9	7	4	4	3	10
Cameroon	27	15	9	13	20	12	22	18	6	2
Egypt	180	233	324	320	214	135	223	241	132	127
Ethiopia	3	3	4	7	3	5	3	8	7	7
Ghana	8	6	16	17	56	73	43	9	5	10
Kenya	39	51	42	45	17	20	42	18	11	11
Morocco	58	50	56	76	85	136	180	252	320	371
Nigeria	6	3	12	7	9	7	5	4	5	5
South Africa	1 339	1 475	1 038	1 237	1 426	1 436	1 772	1 794	1 518	1 694
Tanzania	22	20	20	22	29	32	22	29	10	8
Africa	1 688	1 865	1 535	1 766	1 870	1 877	2 318	2 378	2 025	2 250
Iran	113	119	47	40	38	109	59	57	55	48
Saudi Arabia	133	160	55	277	103	194	729	767	719	701
United Arab Emirates	440	460	454	1 453	1 279	3 872	4 107	4 278	3 128	2 862
Middle East	686	739	556	1 769	1 420	4 175	4 895	5 102	3 902	3 611
Australia	683	697	549	667	753	835	866	829	890	868
China	50 428	56 068	44 710	62 010	71 460	69 431	67 239	67 458	70 455	71 053
India	2 647	3 720	3 314	2 539	4 518	4 692	4 858	5 296	5 056	4 973
Indonesia	1 455	1 693	1 274	1 467	1 554	1 629	1 565	1 710	1 643	1 810
Japan	29 129	29 204	20 858	26 532	26 875	26 972	24 194	22 959	21 749	22 655
Malaysia	1 526	1 764	1 657	2 008	1 788	1 809	1 252	1 864	1 895	1 996
New Zealand	190	189	165	131	177	182	173	161	170	167
Philippines	375	376	492	605	686	900	780	1 711	1 945	1 429
Singapore	2 013	2 263	1 891	2 268	2 725	2 390	2 598	2 335	1 967	1 828
South Korea	17 927	19 825	21 958	24 599	26 893	25 355	22 674	22 293	22 695	22 157
Taiwan, China	4 165	3 754	3 209	4 086	4 379	4 247	4 465	4 627	4 470	4 402
Thailand	3 134	3 427	2 652	3 687	4 235	4 751	4 906	5 121	4 968	5 480
Vietnam	295	423	307	468	666	805	805	870	874	1 448
Asia and Oceania	113 968	123 403	103 036	131 067	146 708	143 999	136 374	137 233	138 777	140 268
Total 74 countries	291 534	302 450	230 893	284 683	323 164	323 504	318 688	324 164	321 679	329 312

Note: indirect trade in steel represents the amount of steel exported or imported through trade in steel containing goods and is expressed in finished steel equivalent of products used.

Further explanation on definitions and methodology of indirect trade in steel can be found in report *Indirect Trade in Steel*, World Steel Association, March 2015.

Table 56

Indirect Imports of Steel

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Austria	3 829	3 812	2 901	3 269	3 730	3 687	3 696	3 650	3 781	4 013
Belgium-Luxembourg	7 425	7 212	5 872	5 760	7 513	7 493	8 323	7 766	7 108	8 038
Bulgaria	962	870	458	452	519	570	607	629	654	661
Croatia	940	976	558	487	499	463	436	447	499	575
Cyprus	162	193	186	183	153	100	71	76	84	99
Czech Republic	3 203	3 393	2 496	2 876	3 605	3 466	3 446	3 935	4 352	4 516
Denmark	2 528	2 567	1 630	1 776	1 978	1 876	2 225	2 618	2 505	2 452
Estonia	398	342	223	237	335	420	443	331	315	333
Finland	1 431	1 534	864	1 012	1 200	1 224	1 061	1 142	1 184	1 279
France	14 442	14 358	10 605	11 513	13 329	11 779	11 213	11 165	12 107	12 484
Germany	19 597	20 868	16 143	20 477	22 453	21 231	20 923	21 791	21 851	23 537
Greece	1 511	1 335	1 015	766	571	480	391	563	568	658
Hungary	1 860	1 889	1 241	1 486	1 695	1 593	1 828	2 153	2 328	2 412
Ireland	1 432	1 244	682	800	747	716	758	802	921	994
Italy	9 259	10 526	7 665	9 003	8 879	6 676	6 327	6 747	7 506	8 318
Latvia	468	327	158	193	298	342	284	286	278	283
Lithuania	1 170	922	412	535	748	700	745	805	653	719
Malta	60	64	55	51	56	46	46	91	81	113
Netherlands	6 777	6 842	4 259	5 655	6 772	6 263	6 478	6 828	6 270	6 358
Poland	5 609	6 189	4 759	5 332	6 031	5 804	6 231	6 854	6 985	6 061
Portugal	1 423	1 391	1 230	1 428	1 202	1 106	1 157	1 311	1 410	1 540
Romania	2 314	2 279	1 374	1 579	1 785	1 793	1 810	1 907	2 082	2 210
Slovak Republic	2 520	2 627	2 125	2 347	2 489	2 767	3 365	3 621	3 424	3 001
Slovenia	862	862	597	635	661	614	629	684	731	982
Spain	7 489	8 541	5 509	6 929	6 311	5 562	6 774	6 641	7 306	7 292
Sweden	3 588	3 487	2 173	2 869	3 392	3 113	3 113	3 181	3 258	3 568
United Kingdom	12 287	10 878	7 553	9 453	9 955	9 687	10 484	11 369	11 853	12 167
European Union (28)	113 546	115 529	82 741	97 103	106 905	99 570	102 862	107 392	110 093	114 662
Norway	2 259	3 722	2 087	2 792	2 342	2 346	2 612	2 266	2 552	2 586
Serbia and Montenegro	709	754	484	445	596	635	774	686	742	812
Switzerland	2 022	2 056	1 763	2 009	2 203	2 141	2 141	2 165	2 264	2 218
Turkey	2 981	3 045	2 515	3 483	4 158	4 132	4 310	3 912	4 476	4 514
Other Europe	7 972	9 578	6 849	8 728	9 299	9 254	9 837	9 029	10 035	10 129
Belarus	624	796	585	629	732	969	995	733	574	625
Kazakhstan	2 157	1 761	1 459	1 130	1 555	2 032	1 966	1 986	815	1 120
Russia	9 771	11 212	4 864	7 334	10 216	11 627	11 000	9 390	6 189	6 586
Ukraine	2 327	2 974	900	1 406	1 948	2 236	1 875	1 127	825	1 146
C.I.S.	14 879	16 742	7 808	10 499	14 451	16 863	15 836	13 236	8 403	9 477
Canada	12 439	11 368	8 264	10 712	12 217	12 854	12 853	12 246	11 398	11 826
Mexico	8 217	8 141	5 172	7 336	8 355	9 664	9 228	10 325	9 664	10 108
United States	39 656	33 053	23 485	30 005	35 341	38 297	39 088	39 132	42 694	44 314
N.A.F.T.A.	60 312	52 561	36 921	48 052	55 913	60 815	61 169	61 702	63 756	66 248
Argentina	1 598	1 808	1 142	1 727	2 159	1 784	1 913	1 484	1 537	1 638
Brazil	2 261	3 151	2 606	4 055	4 902	4 752	5 347	4 694	3 703	3 313
Chile	1 046	1 229	880	1 630	1 967	1 927	2 008	1 631	1 589	1 698
Colombia	952	999	779	1 026	1 442	1 469	1 294	1 398	1 220	1 109
Ecuador	350	476	392	509	561	563	592	586	474	355
Peru	545	800	652	898	1 026	1 205	1 181	1 091	1 069	1 081
Venezuela	1 324	1 149	702	553	583	1 170	792	681	530	334
South America	8 076	9 613	7 153	10 398	12 641	12 869	13 127	11 565	10 122	9 529

Table 56
(continued)

Indirect Imports of Steel

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Algeria	1 145	1 446	1 595	1 591	1 489	1 771	1 921	2 183	2 100	1 804
Angola	619	1 048	1 462	760	1 025	1 172	1 396	1 511	551	228
Cameroon	146	211	154	190	245	206	214	241	84	182
Egypt	539	1 136	1 010	1 927	1 183	966	1 050	1 341	1 160	1 048
Ethiopia	280	291	351	412	339	515	653	859	933	723
Ghana	438	495	445	475	726	880	624	441	537	591
Kenya	221	301	220	237	383	447	388	590	582	556
Morocco	712	888	875	782	798	886	879	856	857	1 189
Nigeria	1 024	1 414	1 135	1 156	1 507	1 460	1 647	1 655	1 284	943
South Africa	1 946	1 793	1 161	1 542	2 041	2 059	2 169	1 854	1 621	1 522
Tanzania	284	421	397	427	480	483	463	629	493	472
Africa	7 353	9 446	8 804	9 497	10 215	10 845	11 406	12 161	10 203	9 259
Iran	1 697	2 165	1 303	1 793	1 874	1 791	1 485	2 058	1 788	1 705
Saudi Arabia	2 673	2 901	2 138	2 501	3 307	3 833	5 829	5 708	6 130	4 343
United Arab Emirates	3 727	4 546	2 678	3 113	3 590	5 391	5 357	6 286	4 927	4 370
Middle East	8 096	9 612	6 119	7 406	8 772	11 015	12 671	14 052	12 844	10 417
Australia	4 095	4 584	3 320	4 223	5 203	6 223	6 057	5 656	5 827	5 691
China	7 545	8 923	9 013	11 874	13 635	12 797	12 577	12 329	9 856	10 579
India	2 830	3 948	3 497	3 471	3 423	4 606	5 900	4 423	4 643	5 851
Indonesia	2 208	3 898	3 317	4 102	4 855	5 367	4 744	4 627	4 301	4 634
Japan	6 620	6 469	4 796	5 932	6 541	7 054	7 067	7 386	7 135	7 413
Malaysia	2 096	1 936	2 236	2 924	2 203	2 437	2 285	2 385	2 415	2 710
New Zealand	783	763	489	519	634	714	817	976	985	1 035
Philippines	1 202	1 198	1 164	1 340	1 306	1 504	1 666	1 749	2 042	2 967
Singapore	2 964	3 557	2 321	2 579	3 371	3 800	3 099	2 704	2 453	2 356
South Korea	4 822	5 460	5 632	5 977	6 057	6 419	6 499	6 087	6 603	6 698
Taiwan, China	1 510	1 538	1 491	2 129	1 867	1 347	1 445	1 579	1 536	1 526
Thailand	1 909	2 392	1 972	2 486	3 024	3 826	3 721	3 303	3 319	3 367
Vietnam	927	1 157	1 001	1 141	1 361	1 148	1 356	1 640	2 027	3 327
Asia and Oceania	39 510	45 822	40 247	48 697	53 480	57 242	57 232	54 845	53 143	58 154
Total 74 countries	259 744	268 902	196 643	240 381	271 677	278 473	284 139	283 983	278 599	287 876

Table 57

Indirect Net Exports of Steel

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Austria	12	22	- 195	- 80	- 156	- 99	- 90	10	- 96	- 252
Belgium-Luxembourg	- 672	- 296	- 406	- 289	- 1 077	- 221	- 381	- 200	- 282	- 394
Bulgaria	- 528	- 468	- 180	- 94	- 31	- 87	- 130	- 137	- 145	- 165
Croatia	- 293	- 265	- 178	- 57	- 61	- 43	- 99	- 71	- 61	- 133
Cyprus	- 144	- 175	- 163	- 169	- 140	- 84	- 57	- 60	- 68	- 91
Czech Republic	2 441	2 419	1 930	2 190	2 473	2 683	2 840	2 717	2 647	2 769
Denmark	- 778	- 590	- 218	- 294	- 126	- 192	- 558	- 775	- 909	- 844
Estonia	- 62	14	72	97	10	- 40	- 57	5	17	- 32
Finland	- 34	- 119	142	- 12	- 246	- 220	110	- 120	- 182	- 390
France	- 2 407	- 3 036	- 3 238	- 2 905	- 3 885	- 3 200	- 3 271	- 3 276	- 3 546	- 4 247
Germany	10 498	9 382	5 963	6 362	7 952	8 879	9 727	10 271	10 350	9 453
Greece	- 1 227	- 1 049	- 786	- 526	- 280	- 179	- 212	- 285	- 293	- 374
Hungary	257	360	373	404	475	608	657	601	616	605
Ireland	- 1 095	- 912	- 431	- 530	- 388	- 369	- 415	- 467	- 576	- 653
Italy	4 308	4 765	2 619	3 044	4 207	6 125	6 496	6 234	5 728	5 217
Latvia	- 292	- 118	0	- 3	- 58	- 112	- 63	- 40	- 48	- 43
Lithuania	- 317	- 234	65	47	- 30	24	5	- 144	- 145	- 180
Malta	- 47	- 54	- 47	- 44	- 49	- 36	- 37	- 79	- 70	- 100
Netherlands	- 473	- 667	- 313	- 518	140	619	916	36	- 677	- 476
Poland	1 442	1 185	1 386	1 468	1 811	2 406	2 411	2 250	2 416	2 643
Portugal	70	130	- 28	- 111	258	612	563	407	280	141
Romania	- 911	- 750	64	33	67	53	224	212	86	164
Slovak Republic	140	188	- 213	- 84	117	164	- 160	- 294	93	531
Slovenia	333	288	283	316	335	341	324	318	324	439
Spain	- 121	1 122	2 197	1 139	2 780	3 050	1 922	2 301	1 899	2 292
Sweden	- 316	- 330	- 109	- 294	- 421	- 367	- 447	- 536	- 554	- 558
United Kingdom	- 5 197	- 4 045	- 2 869	- 3 806	- 3 748	- 3 690	- 4 486	- 5 521	- 6 038	- 6 184
European Union (28)	4 588	6 765	5 720	5 286	9 930	16 624	15 734	13 356	10 766	9 139
Norway	- 1 038	- 2 147	- 923	- 1 675	- 1 199	- 1 675	- 1 962	- 1 482	- 1 840	- 1 639
Serbia and Montenegro	- 404	- 408	- 225	- 184	- 312	- 321	- 297	- 213	- 243	- 277
Switzerland	- 611	- 701	- 726	- 847	- 969	- 963	- 957	- 977	- 1 076	- 1 049
Turkey	2 245	2 742	1 844	1 247	1 023	1 339	1 521	2 326	1 852	1 954
Other Europe	192	- 514	- 30	- 1 459	- 1 457	- 1 621	- 1 695	- 346	- 1 307	- 1 010
Belarus	434	272	124	294	410	298	149	337	294	391
Kazakhstan	- 1 883	- 1 464	- 1 320	- 1 041	- 1 344	- 1 844	- 1 784	- 1 836	- 751	- 978
Russia	- 7 223	- 8 966	- 3 282	- 6 032	- 9 049	- 9 588	- 8 944	- 7 461	- 3 963	- 4 728
Ukraine	- 77	- 937	409	539	205	197	- 144	- 109	- 69	- 561
C.I.S.	- 8 750	- 11 095	- 4 068	- 6 240	- 9 779	- 10 938	- 10 722	- 9 069	- 4 490	- 5 877
Canada	- 4 704	- 5 477	- 4 438	- 5 875	- 6 572	- 7 016	- 7 687	- 6 423	- 5 714	- 5 256
Mexico	992	49	708	1 187	2 300	1 811	2 960	3 526	4 661	5 394
United States	- 18 793	- 12 897	- 9 692	- 11 322	- 12 404	- 16 283	- 17 773	- 16 734	- 22 758	- 23 528
N.A.F.T.A.	- 22 505	- 18 325	- 13 423	- 16 011	- 16 676	- 21 488	- 22 499	- 19 630	- 23 810	- 23 389
Argentina	- 781	- 884	- 470	- 832	- 1 146	- 902	- 1 023	- 771	- 1 012	- 1 153
Brazil	1 188	280	- 537	- 1 407	- 2 034	- 1 940	- 2 384	- 2 330	- 1 346	- 648
Chile	- 833	- 975	- 705	- 1 370	- 1 630	- 1 640	- 1 678	- 1 259	- 1 257	- 1 352
Colombia	- 689	- 787	- 625	- 878	- 1 291	- 1 298	- 1 106	- 1 234	- 1 067	- 957
Ecuador	- 276	- 392	- 319	- 437	- 497	- 472	- 531	- 535	- 422	- 308
Peru	- 497	- 743	- 595	- 818	- 950	- 1 099	- 1 080	- 991	- 977	- 977
Venezuela	- 1 229	- 911	- 655	- 534	- 515	- 1 147	- 745	- 665	- 512	- 330
South America	- 3 118	- 4 411	- 3 906	- 6 276	- 8 062	- 8 497	- 8 547	- 7 786	- 6 594	- 5 726

Table 57
(continued) **Indirect Net Exports of Steel**

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Algeria	- 1 142	- 1 441	- 1 591	- 1 588	- 1 486	- 1 756	- 1 920	- 2 182	- 2 092	- 1 800
Angola	- 617	- 1 045	- 1 451	- 741	- 1 015	- 1 165	- 1 392	- 1 507	- 549	- 218
Cameroon	- 118	- 197	- 145	- 176	- 225	- 194	- 193	- 224	- 79	- 180
Egypt	- 359	- 903	- 686	- 1 606	- 969	- 831	- 828	- 1 099	- 1 028	- 921
Ethiopia	- 277	- 287	- 346	- 405	- 336	- 510	- 650	- 851	- 926	- 717
Ghana	- 430	- 489	- 430	- 457	- 671	- 807	- 581	- 432	- 532	- 581
Kenya	- 182	- 250	- 179	- 192	- 366	- 428	- 346	- 572	- 571	- 545
Morocco	- 654	- 838	- 819	- 705	- 713	- 750	- 698	- 604	- 536	- 819
Nigeria	- 1 018	- 1 411	- 1 123	- 1 149	- 1 498	- 1 453	- 1 642	- 1 651	- 1 279	- 938
South Africa	- 607	- 318	- 122	- 304	- 616	- 623	- 398	- 60	- 103	171
Tanzania	- 262	- 401	- 376	- 405	- 452	- 451	- 441	- 600	- 483	- 463
Africa	- 5 665	- 7 581	- 7 269	- 7 731	- 8 345	- 8 967	- 9 088	- 9 783	- 8 178	- 7 009
Iran	- 1 584	- 2 047	- 1 256	- 1 753	- 1 836	- 1 682	- 1 427	- 2 000	- 1 733	- 1 657
Saudi Arabia	- 2 540	- 2 741	- 2 083	- 2 224	- 3 205	- 3 639	- 5 100	- 4 941	- 5 411	- 3 642
United Arab Emirates	- 3 287	- 4 086	- 2 224	- 1 660	- 2 312	- 1 519	- 1 250	- 2 009	- 1 799	- 1 507
Middle East	- 7 410	- 8 873	- 5 563	- 5 637	- 7 352	- 6 839	- 7 776	- 8 950	- 8 943	- 6 806
Australia	- 3 412	- 3 887	- 2 771	- 3 556	- 4 450	- 5 389	- 5 191	- 4 827	- 4 937	- 4 823
China	42 883	47 145	35 697	50 136	57 825	56 634	54 662	55 129	60 599	60 475
India	- 183	- 228	- 183	- 931	1 094	87	- 1 042	873	413	- 878
Indonesia	- 753	- 2 205	- 2 043	- 2 635	- 3 301	- 3 738	- 3 179	- 2 918	- 2 659	- 2 824
Japan	22 509	22 735	16 061	20 599	20 333	19 918	17 127	15 573	14 614	15 242
Malaysia	- 570	- 172	- 579	- 916	- 415	- 628	- 1 033	- 521	- 520	- 714
New Zealand	- 593	- 574	- 323	- 388	- 457	- 532	- 644	- 816	- 815	- 868
Philippines	- 827	- 822	- 672	- 734	- 620	- 604	- 886	- 38	- 96	- 1 538
Singapore	- 950	- 1 294	- 430	- 311	- 646	- 1 410	- 501	- 369	- 486	- 528
South Korea	13 105	14 365	16 326	18 622	20 836	18 936	16 175	16 206	16 092	15 460
Taiwan, China	2 655	2 216	1 718	1 957	2 513	2 900	3 020	3 048	2 934	2 876
Thailand	1 225	1 036	680	1 200	1 211	924	1 185	1 818	1 649	2 113
Vietnam	- 631	- 734	- 694	- 673	- 695	- 343	- 551	- 770	- 1 153	- 1 879
Asia and Oceania	74 458	77 581	62 789	82 370	93 228	86 757	79 142	82 388	85 634	82 114
Total 74 countries	31 790	33 548	34 250	44 302	51 488	45 031	34 548	40 180	43 080	41 436

Table 58

True Steel Use
(finished steel equivalent)

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Austria	4 079	3 863	3 299	3 590	4 050	3 757	3 655	3 595	4 007	4 088
Belgium-Luxembourg	6 272	5 696	4 506	4 900	6 111	4 469	4 572	4 523	4 611	4 780
Bulgaria	2 530	2 311	916	877	1 091	1 033	1 164	1 571	1 431	1 538
Croatia	1 322	1 379	956	792	720	667	741	706	738	871
Cyprus	640	666	468	510	371	245	187	167	211	245
Czech Republic	4 127	4 117	2 576	3 330	3 590	3 167	3 025	3 478	3 968	3 926
Denmark	2 809	2 374	1 140	1 346	1 552	1 618	1 974	2 189	2 363	2 389
Estonia	561	385	103	195	340	357	383	336	301	464
Finland	2 575	2 432	1 418	1 416	1 362	2 137	1 610	1 829	1 888	2 168
France	20 274	19 616	14 727	17 342	19 103	16 404	16 888	16 801	17 121	18 517
Germany	32 221	32 985	22 242	29 876	32 760	28 618	28 286	29 371	28 915	31 047
Greece	5 400	4 676	3 335	2 458	1 732	1 210	1 368	1 589	1 324	1 903
Hungary	2 392	2 370	1 160	1 373	1 413	1 098	1 206	1 485	1 727	1 941
Ireland	2 221	1 805	786	951	784	775	818	946	1 142	1 216
Italy	31 621	28 523	17 456	22 608	22 343	15 393	15 408	15 674	18 760	18 873
Latvia	822	541	272	372	643	313	278	361	320	382
Lithuania	1 047	783	198	308	470	436	516	733	709	849
Malta	116	107	92	100	82	68	68	118	113	142
Netherlands	5 701	5 416	3 336	4 036	3 941	3 407	2 826	3 427	4 284	4 418
Poland	11 479	10 457	6 489	8 185	9 088	7 889	8 123	9 894	10 365	10 530
Portugal	3 337	3 164	2 331	2 605	1 958	1 400	1 794	1 697	2 048	2 118
Romania	6 482	5 917	2 581	3 252	3 696	3 269	3 073	3 618	3 911	3 900
Slovak Republic	2 154	1 948	1 599	1 884	1 726	1 675	2 177	2 430	2 091	1 713
Slovenia	1 062	959	592	675	690	558	562	596	642	594
Spain	24 621	16 875	9 679	11 929	10 334	7 383	9 001	9 298	10 653	10 279
Sweden	5 172	4 669	2 678	3 935	4 314	3 869	4 037	3 925	3 928	4 431
United Kingdom	19 513	17 078	10 747	13 700	13 973	13 337	14 079	16 176	16 522	17 060
European Union (28)	200 549	181 113	115 685	142 543	148 236	124 553	127 819	136 533	144 093	150 380
Norway	2 250	3 339	1 854	2 522	2 261	2 681	2 921	2 915	2 875	2 652
Serbia and Montenegro	1 519	1 558	1 088	749	1 029	899	777	850	1 085	1 261
Switzerland	3 155	3 148	2 666	3 305	3 605	3 662	3 738	3 750	3 661	3 851
Turkey	21 526	18 711	16 182	22 320	25 908	27 129	29 780	28 447	32 529	32 123
Other Europe	28 449	26 755	21 791	28 896	32 803	34 370	37 217	35 961	40 150	39 887
Belarus	1 871	2 203	1 700	2 284	2 084	2 314	2 448	1 817	1 407	1 302
Kazakhstan	4 878	3 861	3 957	3 146	3 571	4 625	5 274	4 591	3 435	3 293
Russia	47 601	44 433	28 110	42 777	50 540	52 382	52 254	50 607	43 787	43 376
Ukraine	8 129	7 637	3 513	4 940	6 127	5 951	5 713	4 391	3 392	4 829
C.I.S.	62 480	58 134	37 281	53 148	62 322	65 272	65 689	61 406	52 021	52 799
Canada	20 215	20 152	13 970	19 965	20 743	22 590	22 487	22 197	19 058	20 301
Mexico	16 114	17 688	14 467	16 573	17 504	19 101	17 614	19 895	20 116	19 999
United States	127 078	111 306	68 898	91 219	101 604	112 483	113 473	123 691	118 889	115 388
N.A.F.T.A.	163 407	149 145	97 335	127 758	139 851	154 174	153 574	165 783	158 063	155 688
Argentina	5 398	5 670	3 673	5 452	6 484	5 801	6 088	5 780	6 266	5 359
Brazil	20 872	23 768	19 113	28 076	28 128	28 513	30 402	27 936	22 637	18 865
Chile	3 143	3 542	2 410	3 753	4 368	4 647	4 379	3 896	4 054	4 112
Colombia	3 449	3 345	2 858	3 677	4 509	4 804	4 594	5 188	5 099	4 617
Ecuador	1 104	1 708	1 364	1 680	2 247	1 977	2 465	2 195	2 123	1 874
Peru	2 040	2 892	2 180	3 239	3 372	3 775	3 846	3 891	4 469	4 243
Venezuela	4 876	4 311	3 339	2 800	3 121	4 137	3 617	2 704	2 356	1 065
South America	40 883	45 236	34 936	48 676	52 229	53 653	55 391	51 591	47 005	40 135

Table 58
(continued)

True Steel Use
(finished steel equivalent)

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Algeria	4 051	5 138	5 868	4 651	5 273	6 400	7 561	8 354	8 082	7 488
Angola		2 030	2 395	1 373	1 801	2 203	2 410	2 541	1 328	516
Cameroon	267	349	314	336	380	427	424	492	348	421
Egypt	5 869	8 363	11 740	10 938	8 749	10 299	10 035	11 281	11 890	12 604
Ethiopia		581	852	715	793	1 204	1 452	1 686	1 964	1 735
Ghana	694	963	866	959	1 472	1 545	1 302	1 223	1 443	1 440
Kenya	764	867	1 009	1 000	1 582	1 386	1 661	1 911	2 283	2 046
Morocco	2 074	2 714	2 546	2 338	3 512	3 350	3 471	3 139	3 236	3 678
Nigeria	2 277	3 130	2 988	2 582	3 348	3 293	3 924	3 676	3 040	2 236
South Africa	6 414	6 444	4 578	5 305	5 948	5 889	6 087	5 177	5 397	4 799
Tanzania	470	653	696	736	893	860	1 166	1 201	1 148	1 012
Africa	24 208	31 231	33 853	30 933	33 750	36 858	39 493	40 681	40 158	37 974
Iran	19 893	17 092	18 802	21 443	22 956	20 655	21 225	21 880	21 453	20 762
Saudi Arabia	10 958	12 354	12 089	12 944	15 205	16 179	18 400	19 041	18 911	15 842
United Arab Emirates	10 999	16 177	8 465	8 288	9 145	8 562	8 070	9 158	8 935	9 340
Middle East	41 849	45 623	39 356	42 675	47 305	45 396	47 694	50 080	49 299	45 944
Australia	10 749	11 313	8 112	10 523	10 474	11 846	10 948	11 276	11 229	10 672
China	375 543	399 716	515 746	537 445	583 398	603 471	686 784	655 252	611 738	619 817
India	51 665	51 666	58 075	65 871	68 694	72 296	74 694	75 058	79 785	84 521
Indonesia	7 998	11 028	9 463	11 585	14 253	16 238	15 871	15 815	14 034	15 497
Japan	58 671	55 215	36 729	42 971	43 767	44 032	48 113	52 117	48 336	46 928
Malaysia	8 264	8 662	7 224	9 230	8 652	9 549	11 081	10 600	10 521	10 970
New Zealand	1 523	1 474	883	1 123	1 157	1 269	1 413	1 659	1 623	1 621
Philippines	4 224	4 377	4 105	4 733	5 728	6 612	7 591	7 363	8 856	11 215
Singapore	3 850	4 690	3 234	2 991	4 543	5 236	4 777	4 202	4 501	3 360
South Korea	42 098	44 207	29 088	33 768	35 555	35 133	35 587	39 315	39 708	41 617
Taiwan, China	15 425	14 694	9 562	15 833	15 583	14 877	15 551	16 510	14 593	15 401
Thailand	11 493	12 430	10 070	12 884	13 307	15 456	16 644	15 850	15 038	17 100
Vietnam	9 948	8 918	11 616	11 245	10 392	11 299	12 320	15 211	19 407	24 207
Asia and Oceania	601 451	628 390	703 907	760 203	815 503	847 313	941 375	920 227	879 369	902 925
Total 74 countries	1 163 275	1 165 628	1 084 144	1 234 831	1 332 000	1 361 591	1 468 251	1 462 262	1 410 158	1 425 732

Note: true steel use (TSU) is obtained by subtracting net indirect exports of steel from apparent steel use (ASU).

Table 59

**True Steel Use per Capita
(kg finished steel equivalent)**

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Austria	490.7	463.2	394.2	426.9	478.7	441.1	426.1	416.4	461.7	469.3
Belgium-Luxembourg	561.0	505.7	396.7	428.0	529.9	384.7	390.9	384.1	388.9	400.5
Bulgaria	334.3	307.7	122.9	118.4	148.3	141.3	160.2	217.6	199.4	215.6
Croatia	303.1	316.8	220.3	182.9	167.0	155.2	173.3	165.9	174.1	206.8
Cyprus	601.9	615.6	426.4	458.5	330.0	215.9	163.6	145.1	182.0	209.1
Czech Republic	398.5	395.0	245.7	316.0	339.7	299.2	285.5	328.2	374.3	370.0
Denmark	513.5	431.8	206.3	242.3	278.0	288.3	350.2	386.5	415.4	418.3
Estonia	417.2	287.3	77.0	146.1	255.9	269.6	289.8	254.6	229.1	353.2
Finland	486.0	457.1	265.4	263.8	252.7	394.7	296.1	335.0	344.4	394.0
France	327.2	314.7	234.9	275.2	301.6	257.8	264.2	261.7	265.6	286.1
Germany	396.1	406.6	274.7	369.3	404.8	353.0	348.1	360.4	353.9	379.0
Greece	474.5	409.5	291.5	214.7	151.6	106.4	120.9	141.1	118.0	170.2
Hungary	238.6	237.2	116.5	138.3	142.8	111.2	122.5	151.3	176.5	199.0
Ireland	505.0	402.1	172.1	205.6	168.1	165.8	174.8	201.8	242.9	257.4
Italy	533.1	479.4	292.7	378.5	373.9	257.7	258.2	263.0	315.3	317.6
Latvia	373.7	249.0	126.9	175.7	307.2	151.5	136.5	179.0	160.5	193.7
Lithuania	321.1	243.5	62.4	98.5	152.6	143.4	172.1	247.3	241.9	291.8
Malta	282.7	260.0	222.1	239.3	196.9	162.5	159.6	278.0	264.5	330.5
Netherlands	345.4	326.9	200.6	241.9	235.5	202.9	167.8	202.9	252.9	260.1
Poland	299.5	272.8	169.3	213.6	237.2	205.9	212.0	258.4	270.9	275.5
Portugal	313.9	297.1	218.7	244.6	184.2	132.3	170.4	162.1	196.6	204.2
Romania	308.1	284.2	125.2	159.1	182.1	162.1	153.1	181.1	196.8	197.2
Slovak Republic	399.0	360.9	296.1	348.6	319.0	309.3	401.3	447.2	384.4	314.6
Slovenia	527.7	473.9	290.8	330.0	335.8	270.8	272.0	287.9	309.2	285.9
Spain	542.4	366.9	208.3	255.0	220.3	157.6	192.7	199.9	229.6	221.8
Sweden	564.4	505.5	287.5	419.0	455.7	405.5	419.9	405.0	402.3	450.4
United Kingdom	317.7	275.1	171.3	216.4	219.0	207.6	217.8	248.8	252.6	259.3
European Union (28)	401.8	361.6	230.2	282.9	293.6	246.3	252.5	269.4	283.9	295.9
Norway	476.6	699.8	384.0	516.2	457.0	534.8	575.4	567.2	552.9	504.8
Serbia and Montenegro	155.8	160.2	112.3	77.6	107.0	93.8	81.4	89.3	114.5	133.4
Switzerland	417.3	411.7	344.6	422.0	454.6	455.9	459.7	455.6	440.0	458.4
Turkey	309.3	265.6	226.8	308.6	352.9	363.8	392.9	369.3	415.6	404.0
Other Europe	310.5	289.0	232.8	305.1	342.0	353.6	377.7	359.9	396.5	388.7
Belarus	196.1	231.7	179.2	241.1	220.1	244.3	258.3	191.5	148.4	137.3
Kazakhstan	308.0	241.3	244.5	191.8	214.5	273.3	306.5	262.5	193.5	183.1
Russia	332.5	310.5	196.4	298.8	352.8	365.2	363.9	352.0	304.3	301.3
Ukraine	175.3	165.3	76.4	107.9	134.4	131.2	126.6	97.8	76.0	108.7
C.I.S.	290.7	270.7	173.6	247.4	289.9	303.4	305.0	284.8	241.1	244.6
Canada	612.2	603.3	413.4	584.3	600.6	647.3	637.8	623.4	530.1	559.4
Mexico	144.1	155.6	125.2	141.3	147.0	158.1	143.7	160.2	159.8	156.8
United States	422.8	366.9	225.1	295.6	326.6	359.0	359.6	389.3	371.6	358.1
N.A.F.T.A.	366.8	331.1	213.7	277.7	301.0	328.7	324.5	347.2	328.1	320.3
Argentina	135.1	140.4	90.0	132.3	155.6	137.8	143.1	134.5	144.3	122.2
Brazil	109.3	123.2	98.1	142.7	141.6	142.2	150.2	136.8	109.9	90.8
Chile	190.6	212.6	143.2	220.8	254.7	268.5	250.7	221.2	228.3	229.6
Colombia	77.7	74.5	62.9	80.1	97.2	102.5	97.0	108.6	105.7	94.9
Ecuador	77.7	118.2	92.9	112.5	148.0	128.2	157.4	138.1	131.5	114.4
Peru	72.1	101.0	75.2	110.3	113.3	125.2	125.8	125.6	142.4	133.5
Venezuela	176.1	153.2	116.8	96.5	105.9	138.4	119.3	88.0	75.6	33.7
South America	112.9	123.5	94.4	130.1	138.1	140.3	143.4	132.2	119.3	100.9

Table 59
(continued)

	True Steel Use per Capita (kg finished steel equivalent)									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Algeria	118.1	147.4	165.5	128.8	143.2	170.4	197.2	213.6	202.7	184.4
Angola		93.3	106.2	58.8	74.4	87.8	92.7	94.4	47.7	17.9
Cameroon	14.5	18.5	16.2	16.8	18.5	20.2	19.6	22.1	15.2	18.0
Egypt	73.8	103.3	142.4	130.1	101.9	117.3	111.7	122.9	126.8	131.7
Ethiopia		7.0	10.0	8.1	8.8	13.0	15.3	17.3	19.7	16.9
Ghana	30.6	41.3	36.2	39.1	58.6	60.0	49.4	45.4	52.3	51.0
Kenya	20.1	22.2	25.1	24.2	37.2	31.8	37.1	41.5	48.3	42.2
Morocco	66.4	85.9	79.6	72.1	106.9	100.5	102.6	91.5	93.0	104.3
Nigeria	15.6	20.8	19.3	16.3	20.6	19.7	22.8	20.8	16.8	12.0
South Africa	128.6	127.8	89.8	102.8	113.8	111.1	113.2	94.9	97.6	85.7
Tanzania	11.2	15.1	15.6	16.0	18.8	17.5	23.0	23.0	21.3	18.2
Africa	42.9	54.1	57.2	51.1	54.4	57.9	60.6	60.9	58.7	54.2
Iran	276.2	234.6	255.2	287.6	304.1	270.2	274.1	279.0	270.3	258.6
Saudi Arabia	433.9	476.2	453.4	472.0	538.4	556.2	614.5	618.7	599.3	490.8
United Arab Emirates	1 819.7	2 346.5	1 104.1	1 002.0	1 054.4	962.0	896.0	1 009.6	976.1	1 007.6
Middle East	405.0	431.7	364.4	387.0	420.9	396.7	409.8	423.5	410.6	377.1
Australia	513.1	530.1	373.2	475.7	465.9	519.1	472.9	480.3	471.8	442.3
China	280.9	297.3	381.4	395.3	426.6	438.8	496.7	471.4	437.9	441.6
India	43.8	43.2	47.8	53.5	55.1	57.2	58.4	58.0	60.9	63.8
Indonesia	34.3	46.7	39.5	47.8	58.0	65.2	63.0	62.0	54.4	59.3
Japan	456.6	429.5	285.7	334.3	340.6	342.9	375.0	406.6	377.7	367.3
Malaysia	310.4	319.5	261.7	328.3	302.2	327.4	373.0	350.7	342.4	351.7
New Zealand	359.8	344.4	204.3	257.0	261.9	283.9	312.8	363.2	351.8	347.8
Philippines	47.3	48.2	44.5	50.5	60.1	68.3	77.1	73.6	87.1	108.5
Singapore	813.6	966.8	651.3	589.4	877.6	993.3	891.2	771.2	813.2	597.6
South Korea	858.0	898.2	589.1	681.5	714.8	703.3	709.3	780.3	784.8	819.4
Taiwan, China	675.6	640.9	415.4	685.3	672.1	639.5	666.3	705.1	621.4	653.8
Thailand	173.6	186.8	150.6	191.7	197.0	227.8	244.2	231.7	219.0	248.3
Vietnam	115.8	102.8	132.7	127.1	116.2	124.9	134.7	164.4	207.4	256.0
Asia and Oceania	185.2	191.6	212.5	227.4	241.6	248.8	274.0	265.5	251.6	256.3
Total 74 countries	210.4	208.6	192.0	216.4	231.0	233.7	249.5	246.1	235.0	235.4

ANNEX

Sources

National steel associations have been used where possible and details of such are given below. When not available, statistics were taken from a variety of other sources. Particularly acknowledged are the contributions from:

Eurofer

Instituto Latinoamericano del Fierro y el Acero (ALACERO, formerly ILAFA)

ISSB Limited – formerly Iron and Steel Statistics Bureau (UK)

South East Asia Iron and Steel Institute (SEAISI)

Other sources used include:

Arab Iron and Steel Union (AISU)

International Metallurgists Union

MIDREX

RMG Consulting

United Nations Statistics Division

United Nations Trust Fund Project on Iron Ore Information/UNCTAD

ArcelorMittal: Algeria, Bosnia-Herzegovina, Canada, Luxembourg, Morocco, Trinidad and Tobago

Ezz Steel: Middle East and North Africa (MENA)

Country:	Source:
Argentina	Acero Argentino (Cámara Argentina del Acero)
Australia	BlueScope, Liberty (formerly Arrium, formerly OneSteel)
Austria	voestalpine
Belgium	Groupement de la Sidérurgie ASBL/Staalindustrie Verbond VZW (GSV)
Brazil	Instituto Aço Brasil (formerly IBS)
Bulgaria	Bulgarian Association of the Metallurgical Industry
Canada	Canadian Steel Producers Association, Statistics Canada
China	China Iron and Steel Association (CISA)
Croatia	Central Bureau of Statistics
Czech Republic and Slovak Republic	Ocelářská unie a.s. (Steel Union - formerly The Steel Federation - Hutnictví železa, a.s.-HZ)
Egypt	Ezz Steel
Finland	Perusimetal (Association of Finnish Steel and Metal Producers) Rautaruukki Oy
France	Centre Professionnel des Statistiques de l'Acier (CPS)
Germany	Wirtschaftsvereinigung Stahl
Hungary	Magyar vas-és Acélipari Egyesülés (Association of the Hungarian Steel Industry)
India	Joint Plant Committee, Ministry of Steel (JPC), Steel Scenario

Iran	IMIDRO
Italy	Federacciai
Japan	Japan Iron and Steel Federation
South Korea	Korea Iron and Steel Association, POSRI
Libya	Libya Iron and Steel Company (LISCO)
Netherlands	Tata Steel
Macedonia	Duferco
Mexico	Canacero
New Zealand	BlueScope
Norway	Celsa, Eramet
Pakistan	Pakistan Bureau of Statistics
Poland	Hutnicza Izba Przemysłowo-Handlowa HIPH (Polish Steel Association)
Qatar	Qatar Steel Company (Q.S.C.)
Romania	Romanian Union for the Steel Industry
Russia	Evraz, International Metallurgists Union, NLMK, Severstal.
Saudi Arabia	Saudi Iron and Steel Co. (HADEED)
Serbia	Steel Industry Association
Slovenia	Slovenian Steel Group
South Africa	South African Iron and Steel Institute (SAISI)
Spain	Unión de Empresas Siderúrgicas (UNESID)
Sweden	Jernkontoret
Taiwan, China	China Steel Corporation
Thailand	Iron and Steel Institute of Thailand (ISIT)
Turkey	Erdemir, Turkish Iron and Steel Producers Association
Ukraine	Association of Enterprises (UKRMETALURGPROM)
United Arab Emirates	Emirates Steel
United Kingdom	ISSB Ltd. – formerly Iron and Steel Statistics Bureau (UK)
United States	American Iron and Steel Institute (AISI)
Zimbabwe	Zimbabwe Iron and Steel Co. (ZISCOSTEEL)

Definitions

Crude steel is defined as steel in its first solid (or usable) form: ingots, semi-finished products (billets, blooms, slabs), and liquid steel for castings. This is not to be confused with liquid steel, which is steel poured.

Hot rolled (hr) products (hr long products, hr flat products, seamless tubes) are products of first transformation. These products may be further worked to produce cold rolled-, coated-, and tubular products (except seamless tubes).

For further definitions of traded products please consult chapters 72 and 73 of the Harmonised System (HS).

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