

STEEL STATISTICAL YEARBOOK 2019

Extended version



Preface

This yearbook presents a cross-section of steel industry statistics that are exchanged or published by the World Steel Association. The willing co-operation of both members and non-members alike in supplying the information included in this publication is gratefully acknowledged. Further details of the statistical sources used are given in the Annex (p.119). These contents were finalised in November 2019.

Data are expressed in thousand metric tons unless stated otherwise.

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

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

'(e)' following a country name indicates that the series 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 *

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	5 662	7 206	7 474	7 421	7 953	7 876	7 687	7 438	8 135	6 885
Belgium	5 635	7 973	8 026	7 301	7 127	7 331	7 257	7 687	7 842	7 980
Bulgaria	726	737	835	633	523	612	543	527	652	666
Croatia	43	95	96	1	135	167	122	0	0	136
Czech Republic	4 594	5 180	5 583	5 072	5 171	5 360	5 262	5 305	4 550	4 938
Germany	32 670	43 830	44 284	42 661	42 645	42 943	42 676	42 080	43 297	42 435
Finland	3 066	4 029	3 989	3 759	3 517	3 807	3 988	4 101	4 003	4 146
France	12 840	15 414	15 780	15 609	15 685	16 143	14 984	14 413	15 505	15 387
Greece	2 000	1 821	1 934	1 247	1 030	1 022	910	1 158	1 359	1 467
Hungary	1 403	1 678	1 746	1 542	883	1 152	1 675	1 274	1 901	1 989
Italy	19 848	25 750	28 735	27 252	24 093	23 714	22 018	23 373	24 068	24 532
Latvia	692	655	568	805	198					
Luxembourg	2 141	2 548	2 521	2 208	2 090	2 193	2 127	2 175	2 172	2 228
Netherlands	5 194	6 651	6 937	6 879	6 713	6 964	6 995	6 917	6 781	6 813
Poland	7 128	7 993	8 779	8 366	7 950	8 558	9 198	9 001	10 332	10 167
Portugal	1 614	1 543	1 942	1 960	2 050	2 070	2 030	2 010	2 076	2 215
Romania	2 761	3 721	3 828	3 292	2 985	3 158	3 352	3 276	3 361	3 550
Slovak Republic	3 747	4 583	4 236	4 403	4 511	4 705	4 562	4 808	4 974	5 225
Slovenia	430	606	648	632	618	615	604	613	648	654
Spain	14 358	16 343	15 504	13 639	14 252	14 249	14 845	13 616	14 441	14 320
Sweden	2 804	4 846	4 867	4 326	4 404	4 539	4 557	4 817	4 926	4 654
United Kingdom	10 074	9 708	9 478	9 579	11 858	12 033	10 907	7 635	7 491	7 268
European Union (28)	139 432	172 909	177 791	168 589	166 390	169 215	166 298	162 224	168 515	167 655
Albania (e)	221	390	464	500	550	560	150	50		
Bosnia-Herzegovina	519	592	649	700	722	793	819	806	756	695
Macedonia	270	292	386	217	100	188	121	169	273	266
Montenegro (e)	130	130	140	120	70	140	150	120	120	120 e
Norway	595	530	610	700	605	600	590	620	603	575
Serbia	1 061	1 254	1 324	346	396	583	955	1 173	1 477	1 973
Switzerland	934	1 320	1 400	1 450	1 530	1 475	1 475	1 500	1 450	1 500 e
Turkey	25 304	29 143	34 107	35 885	34 654	34 035	31 517	33 163	37 524	37 312
Other Europe	29 034	33 650	39 079	39 917	38 627	38 374	35 778	37 601	42 203	42 441
Azerbaijan (e)	120	120	120	120	173	180	180	180	180	200 e
Byelorussia	2 417	2 530	2 614	2 687	2 245	2 513	2 510	2 188	2 343	2 470 e
Kazakhstan	4 146	4 220	4 699	3 676	3 275	3 681	3 910	4 289	4 641	3 964 e
Moldova	426	240	313	335	190	351	443	126	469	497 e
Russia	60 011	66 942	68 852	70 209	69 008	71 461	70 898	70 453	71 491	72 042 e
Ukraine	29 855	33 432	35 332	32 975	32 771	27 170	22 968	24 218	21 417	21 100
Uzbekistan	716	716	733	736	746	723	643	654	654	646 e
C.I.S.	97 691	108 200	112 663	110 739	108 408	106 079	101 552	102 108	101 195	100 919
Canada	9 292	13 009	12 891	13 507	12 417	12 730	12 473	12 646	13 208	13 443
Cuba	267	278	282	277	322	256	284	244	221	225
El Salvador	56	64	97	72	118	121	124	100	96	99
Guatemala	224	274	294	334	385	395	403	314	294	300
Mexico	14 132	16 870	18 110	18 073	18 242	18 930	18 218	18 824	19 955	20 204
Trinidad and Tobago	417	572	603	628	616	487	591	36		
United States	59 384	80 495	86 398	88 695	86 878	88 174	78 845	78 475	81 612	86 607
North America	83 772	111 562	118 675	121 586	118 978	121 093	110 938	110 638	115 386	120 879

Table 1
(continued)

Total Production of Crude Steel *

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Argentina	4 013	5 138	5 611	4 995	5 186	5 488	5 028	4 126	4 624	5 162
Brazil	26 506	32 948	35 220	34 524	34 163	33 897	33 258	31 642	34 778	35 407
Chile	1 308	1 011	1 615	1 671	1 323	1 079	1 112	1 153	1 158	1 145
Colombia	1 052	1 208	1 287	1 302	1 236	1 208	1 211	1 272	1 253	1 219
Ecuador	259	372	463	425	570	667	720	576	561	583
Paraguay	54	59	30	44	45	47	48	35	24	25
Peru	718	880	877	981	1 069	1 078	1 082	1 168	1 207	1 217
Uruguay	57	65	81	78	91	94	97	61	58	60
Venezuela	3 808	2 207	2 980	2 359	2 139	1 485	1 345	553	444	129
South America	37 776	43 888	48 165	46 379	45 822	45 043	43 900	40 587	44 106	44 947
Algeria	597	662	551	557	417	415	650	650	415	2 000 e
D.R. Congo (e)	30	30	30	30	30	30	30	30	30	30 e
Egypt	5 541	6 676	6 485	6 627	6 754	6 485	5 506	5 036	6 870	7 807
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	914	825	100	315	712	712	352	492	422	396
Mauritania (e)	5	5	5	5	5	5	5	5	5	5 e
Morocco	499	485	654	539	558	501	516	520	550	600
Nigeria (e)	100	100	100	100	100	100	100	100	100	100 e
South Africa	7 484	7 617	7 546	6 938	7 162	6 412	6 417	6 141	6 301	6 327
Tunisia	155	150	150	150	150	150	50	50	50	50 e
Uganda (e)	30	30	30	30	30	30	30	30	30	30 e
Africa	15 400	16 624	15 696	15 337	15 963	14 885	13 701	13 099	14 818	17 390
Iran	10 908	11 995	13 197	14 463	15 422	16 331	16 146	17 895	21 236	24 520
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	1 448	1 970	2 038	2 145	2 236	3 019	2 593	2 521	2 644	2 575
Saudi Arabia (1)	4 690	5 015	5 275	5 203	5 471	6 291	5 229	5 461	4 831	5 240
Syria (e)	70	70	70	10	10	5	5	5	5	5 e
United Arab Emirates	200	500	2 000	2 408	2 878	2 390	3 006	3 149	3 309	3 247
Middle East	17 766	20 000	23 230	24 979	26 967	29 986	29 429	31 480	34 475	38 037
Bangladesh (e)	70	78	85	87	84	90	100	100	100	100 e
China	577 070	638 743	701 968	731 040	822 000	822 306	803 825	807 609	870 855	928 264
India	63 527	68 976	73 471	77 264	81 299	87 292	89 026	95 477	101 455	109 272
Indonesia	3 501	3 664	3 621	2 254	2 644	4 351	4 854	4 746	5 195	6 183
Japan	87 534	109 599	107 601	107 232	110 595	110 666	105 134	104 775	104 661	104 319
D.P.R. Korea (e)	1 300	1 300	1 300	1 280	1 250	1 250	1 250	1 250	1 250	1 250 e
South Korea	48 572	58 914	68 519	69 073	66 061	71 543	69 670	68 576	71 030	72 464
Malaysia	5 354	5 694	5 941	5 612	4 693	4 316	3 784	2 764	3 215	4 108
Mongolia (e)	35	35	35	35	40	45	45	50	50	50 e
Myanmar (e)	25	25	25	25	30	35	35	35	35	35 e
Pakistan (e)	1 199	1 401	1 592	1 631	1 845	2 423	2 892	3 553	4 966	4 719
Philippines	824	1 050	1 200	1 260	1 308	1 196	968	1 075	1 378	1 475
Singapore	664	728	752	688	434	540	501	520	596	618
Sri Lanka (e)	30	30	30	30	30	30	30	30	30	30 e
Taiwan, China	15 814	19 755	20 178	20 664	22 282	23 221	21 392	21 751	22 438	23 240
Thailand	3 646	4 145	4 256	3 641	3 613	5 835	5 069	5 400	6 762	6 403
Viet Nam	2 700	4 314	4 900	5 298	5 474	5 847	5 647	7 811	11 473	15 471
Asia	811 865	918 450	995 475	1 027 114	1 123 680	1 140 987	1 114 224	1 125 522	1 205 487	1 278 002
Australia	5 249	7 296	6 404	4 893	4 688	4 607	4 925	5 259	5 328	5 689
New Zealand	765	853	844	912	900	859	793	577	657	652
Oceania	6 014	8 149	7 248	5 805	5 588	5 466	5 717	5 837	5 985	6 341
World	1 238 749	1 433 432	1 538 021	1 560 444	1 650 423	1 671 128	1 621 537	1 629 096	1 732 171	1 816 611

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

(1) - HADEED only.

Table 2	Crude Steel Production by Product *				Year:	2017		
	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	15 042	1	15 505	3.0	97.0	0.0	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	154	9 882		10 036	1.5	98.5		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	128	521		648	19.7	80.3		100.0
Spain	240	14 201		14 441	1.7	98.3		100.0
Sweden (1)	565	4 339	22	4 926	11.5	88.1	0.4	100.0
United Kingdom	132	7 356	3	7 491	1.8	98.2	0.0	100.0
European Union (28)	5 538	162 425	263	168 226	3.3	96.6	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		4 635	6	4 641		99.9	0.1	100.0
Moldova		469		469		100.0		100.0
Russia (e)	11 500	58 600	1 400	71 500	16.1	82.0	2.0	100.0
Ukraine (e)	10 626	10 792		21 417	49.6	50.4		100.0
Uzbekistan		654		654		100.0		100.0
C.I.S.	22 126	77 673	1 406	101 204	21.9	76.7	1.4	100.0
Canada (e)	2 880	10 330		13 210	21.8	78.2		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		19 955		19 955		100.0		100.0
United States	295	81 317		81 612	0.4	99.6		100.0
North America	3 175	112 213		115 388	2.8	97.2		100.0

I - ingots.

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

LSC - liquid steel for castings.

(1) - CC includes Steel Powders.

	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	34 055	209	34 778	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	43 369	223	44 106	1.2	98.3	0.5	100.0
Algeria (e)		415		415		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		14 813	5	14 818		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 (2)		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	860 000	850	870 850	1.1	98.8	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	375	104 665	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		6 762		6 762		100.0		100.0
Viet Nam		11 473		11 473		100.0		100.0
Asia	26 019	1 171 735	1 516	1 199 270	2.2	97.7	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 **	57 372	1 664 886	3 413	1 725 671	3.3	96.5	0.2	100.0

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

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

(2) - HADEED only.

	I	CC	LSC	Total	I	CC	LSC	Total
	thousand tonnes				% total production			
Austria	287	6 591	6	6 885	4.2	95.7	0.1	100.0
Belgium		7 980		7 980		100.0		100.0
Bulgaria		666		666		100.0		100.0
Croatia		136		136		100.0		100.0
Czech Republic	307	4 583	50	4 940	6.2	92.8	1.0	100.0
Germany	1 230	41 200	5	42 435	2.9	97.1	0.0	100.0
Finland		4 129	17	4 146		99.6	0.4	100.0
France	462	14 925	0	15 387	3.0	97.0	0.0	100.0
Greece		1 467		1 467		100.0		100.0
Hungary		1 989		1 989		100.0		100.0
Italy	1 201	23 188	143	24 532	4.9	94.5	0.6	100.0
Luxembourg		2 228		2 228		100.0		100.0
Netherlands		6 813		6 813		100.0		100.0
Poland	155	10 052		10 207	1.5	98.5		100.0
Portugal (e)		2 215		2 215		100.0		100.0
Romania (e)	85	3 465		3 550	2.4	97.6		100.0
Slovak Republic		5 225		5 225		100.0		100.0
Slovenia	125	528		654	19.2	80.8		100.0
Spain	237	14 084		14 320	1.7	98.3		100.0
Sweden (1)	548	4 084	22	4 654	11.8	87.8	0.5	100.0
United Kingdom	125	7 141	2	7 268	1.7	98.3	0.0	100.0
European Union (28)	4 763	162 690	244	167 697	2.8	97.0	0.1	100.0
Bosnia-Herzegovina		695		695		100.0		100.0
Macedonia		266		266		100.0		100.0
Montenegro (e)		120		120		100.0		100.0
Norway		575		575		100.0		100.0
Serbia		1 973		1 973		100.0		100.0
Switzerland (e)		1 500		1 500		100.0		100.0
Turkey		37 312		37 312		100.0		100.0
Other Europe		42 441		42 441		100.0		100.0
Azerbaijan (e)		200		200		100.0		100.0
Byelorussia		2 470		2 470		100.0		100.0
Kazakhstan		3 960	5	3 965		99.9	0.1	100.0
Moldova		497		497		100.0		100.0
Russia (e)	11 500	59 150	1 400	72 050	16.0	82.1	1.9	100.0
Ukraine (e)	9 703	11 398		21 100	46.0	54.0		100.0
Uzbekistan		646		646		100.0		100.0
C.I.S.	21 203	78 321	1 405	100 928	21.0	77.6	1.4	100.0
Canada (e)	2 940	10 500		13 440	21.9	78.1		100.0
Cuba		225		225		100.0		100.0
El Salvador		99		99		100.0		100.0
Guatemala		300		300		100.0		100.0
Mexico		20 204		20 204		100.0		100.0
United States	1 580	85 027		86 607	1.8	98.2		100.0
North America	4 520	116 356		120 876	3.7	96.3		100.0

I - ingots.

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

LSC - liquid steel for castings.

(1) - CC includes Steel Powders.

	I	CC	LSC	Total	I	CC	LSC	Total
		thousand tonnes				% total production		
Argentina		5 148	14	5 162		99.7	0.3	100.0
Brazil	518	34 671	217	35 407	1.5	97.9	0.6	100.0
Chile		1 145		1 145		100.0		100.0
Colombia		1 219		1 219		100.0		100.0
Ecuador		583		583		100.0		100.0
Paraguay		25		25		100.0		100.0
Peru		1 217		1 217		100.0		100.0
Uruguay		60		60		100.0		100.0
Venezuela		129		129		100.0		100.0
South America	518	44 197	231	44 947	1.2	98.3	0.5	100.0
Algeria (e)		2 000		2 000		100.0		100.0
D.R. Congo (e)		30		30		100.0		100.0
Egypt		7 807		7 807		100.0		100.0
Ghana (e)		25		25		100.0		100.0
Kenya (e)		20		20		100.0		100.0
Libya		396		396		100.0		100.0
Mauritania (e)			5	5			100.0	100.0
Morocco		600		600		100.0		100.0
Nigeria (e)		100		100		100.0		100.0
South Africa		6 327		6 327		100.0		100.0
Tunisia (e)		50		50		100.0		100.0
Uganda (e)		30		30		100.0		100.0
Africa		17 385	5	17 390		100.0	0.0	100.0
Iran		24 520		24 520		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		2 575		2 575		100.0		100.0
Saudi Arabia (2)		5 240		5 240		100.0		100.0
United Arab Emirates		3 247		3 247		100.0		100.0
Middle East		38 032		38 032		100.0		100.0
Bangladesh (e)		100		100		100.0		100.0
China (e)	12 960	914 340	1 000	928 300	1.4	98.5	0.1	100.0
India (e)	14 000	95 200	60	109 260	12.8	87.1	0.1	100.0
Indonesia		6 183		6 183		100.0		100.0
Japan (e)	1 220	102 720	388	104 328	1.2	98.5	0.4	100.0
South Korea	766	71 462	236	72 464	1.1	98.6	0.3	100.0
Malaysia		4 108		4 108		100.0		100.0
Mongolia (e)		50		50		100.0		100.0
Myanmar (e)		35		35		100.0		100.0
Philippines		1 475		1 475		100.0		100.0
Singapore		618		618		100.0		100.0
Sri Lanka (e)		30		30		100.0		100.0
Taiwan, China	93	23 148		23 240	0.4	99.6		100.0
Thailand		6 403		6 403		100.0		100.0
Viet Nam		15 471		15 471		100.0		100.0
Asia	29 039	1 241 343	1 684	1 272 065	2.3	97.6	0.1	100.0
Australia		5 689		5 689		100.0		100.0
New Zealand		652		652		100.0		100.0
Oceania		6 341		6 341		100.0		100.0
World **	60 042	1 747 106	3 570	1 810 717	3.3	96.5	0.2	100.0

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

** - Approximately 99.7% of total world production in 2018.

(2) - HADEED only.

Table 3

Production of Ingots *

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	185	261	306	274	275	282	246	243	294	287
Bulgaria	13			6						
Czech Republic	311	444	476	389	395	393	403	341	283	307
Germany	1 056	1 446	1 633	1 408	1 329	1 378	1 273	1 972	2 000	1 230
France	467	631	743	615	577	621	548	443	462	462
Italy	808	956	1 229	1 116	1 043	1 220	1 118	1 079	1 201	1 201
Netherlands	60	128	172	141	132	125	107	93		
Poland	206	209	208	172	167	160	160	150	154	155
Romania	85	106	137	90	85	60	70	75	80	85 e
Slovenia	76	108	118	110	109	122	120	120	128	125
Spain	210	355	402	394	319	308	266	240	240	237
Sweden	321	527	600	516	515	537	499	475	565	548
United Kingdom	126	148	194	179	149	162	143	98	132	125
European Union (28)	3 922	5 318	6 218	5 409	5 095	5 369	4 954	5 329	5 538	4 763
Bosnia-Herzegovina	4	18	16	7	0					
Montenegro (e)	10									
Other Europe	14	18	16	7	0					
Byelorussia	30	20	10							
Russia	10 115	11 300	11 650	11 920	11 500	11 500	11 500	11 050	11 500	11 500 e
Ukraine	15 452	15 330	16 200	15 120	15 661	12 421	11 762	12 500	10 626	9 703
Uzbekistan	10	5	5	6						
C.I.S.	25 607	26 655	27 865	27 046	27 161	23 921	23 262	23 550	22 126	21 203
Canada	249	151	193	376	362	249	294	2 755	2 880	2 940 e
Mexico	23	23	18	26	47	24	22	25		
United States	1 472	2 096	1 942	1 227	1 081	1 306	775	463	295	1 580
North America	1 744	2 269	2 153	1 629	1 489	1 578	1 091	3 242	3 175	4 520
Argentina	47									
Brazil	732	1 089	1 132	916	711	485	317	369	514	518
Colombia	310	328	302	345	323					
South America	1 089	1 417	1 434	1 261	1 034	485	317	369	514	518
Algeria	37	5	5	7	5					
South Africa	28	38	46	38	23	32	37			
Africa	65	43	51	45	28	32	37			
China (1)	7 735	10 851	10 573	10 288	12 542	10 900	9 900	9 000	10 000	12 960 e
India	17 100	16 960	16 550	15 240	15 000	15 000	14 000	13 450	14 000	14 000 e
Japan (e:2014-)	1 071	1 556	1 655	1 438	1 306	1 330	1 265	1 235	1 240	1 220 e
South Korea	947	944	1 074	909	769	868	748	693	682	766
Taiwan, China	35	66	97	87	94	104	89	93	98	93
Asia	26 888	30 376	29 949	27 962	29 710	28 202	26 002	24 472	26 019	29 039
Australia	57	52	55	61	61	26	25	26		
Oceania	57	52	55	61	61	26	25	26		
World	59 387	66 148	67 740	63 419	64 578	59 611	55 689	56 988	57 372	60 042

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

Table 3
(continued)

Production of Ingots *
% total crude steel production

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	3.3	3.6	4.1	3.7	3.5	3.6	3.2	3.3	3.6	4.2
Bulgaria	1.8			0.9						
Czech Republic	6.8	8.6	8.5	7.7	7.6	7.3	7.7	6.4	6.2	6.2
Germany	3.2	3.3	3.7	3.3	3.1	3.2	3.0	4.7	4.6	2.9
France	3.6	4.1	4.7	3.9	3.7	3.8	3.7	3.1	3.0	3.0
Italy	4.1	3.7	4.3	4.1	4.3	5.1	5.1	4.6	5.0	4.9
Netherlands	1.2	1.9	2.5	2.0	2.0	1.8	1.5	1.3		
Poland	2.9	2.6	2.4	2.1	2.1	1.9	1.7	1.7	1.5	1.5
Romania	3.1	2.9	3.6	2.7	2.8	1.9	2.1	2.3	2.4	2.4 e
Slovenia	17.6	17.8	18.2	17.4	17.7	19.8	19.9	19.6	19.7	19.2
Spain	1.5	2.2	2.6	2.9	2.2	2.2	1.8	1.8	1.7	1.7
Sweden	11.5	10.9	12.3	11.9	11.7	11.8	11.0	9.9	11.5	11.8
United Kingdom	1.2	1.5	2.0	1.9	1.3	1.3	1.3	1.3	1.8	1.7
European Union (28)	2.8	3.1	3.5	3.2	3.1	3.2	3.0	3.3	3.3	2.8
Bosnia-Herzegovina	0.8	3.0	2.5	1.0	0.0					
Montenegro (e)	7.7									
Other Europe	0.0	0.1	0.0	0.0	0.0					
Byelorussia	1.2	0.8	0.4							
Russia	16.9	16.9	16.9	17.0	16.7	16.1	16.2	15.7	16.1	16.0 e
Ukraine	51.8	45.9	45.9	45.9	47.8	45.7	51.2	51.6	49.6	46.0
Uzbekistan	1.4	0.7	0.7	0.8						
C.I.S.	26.2	24.6	24.7	24.4	25.1	22.5	22.9	23.1	21.9	21.0
Canada	2.7	1.2	1.5	2.8	2.9	2.0	2.4	21.8	21.8	21.9 e
Mexico	0.2	0.1	0.1	0.1	0.3	0.1	0.1	0.1		
United States	2.5	2.6	2.2	1.4	1.2	1.5	1.0	0.6	0.4	1.8
North America	2.1	2.0	1.8	1.3	1.3	1.3	1.0	2.9	2.8	3.7
Argentina	1.2									
Brazil	2.8	3.3	3.2	2.7	2.1	1.4	1.0	1.2	1.5	1.5
Colombia	29.4	27.2	23.4	26.5	26.1					
South America	2.9	3.2	3.0	2.7	2.3	1.1	0.7	0.9	1.2	1.2
Algeria	6.2	0.8	0.9	1.3	1.2					
South Africa	0.4	0.5	0.6	0.5	0.3	0.5	0.6			
Africa	0.4	0.3	0.3	0.3	0.2	0.2	0.3			
China (1)	1.3	1.7	1.5	1.4	1.5	1.3	1.2	1.1	1.1	1.4 e
India	26.9	24.6	22.5	19.7	18.5	17.2	15.7	14.1	13.8	12.8 e
Japan	1.2	1.4	1.5	1.3	1.2	1.2	1.2	1.2	1.2	1.2 e
South Korea	1.9	1.6	1.6	1.3	1.2	1.2	1.1	1.0	1.0	1.1
Taiwan, China	0.2	0.3	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Asia	3.3	3.3	3.0	2.7	2.6	2.5	2.3	2.2	2.2	2.3
Australia	1.1	0.7	0.9	1.3	1.3	0.6	0.5	0.5		
Oceania	1.0	0.6	0.8	1.1	1.1	0.5	0.4	0.4		
World	4.8	4.6	4.4	4.1	3.9	3.6	3.4	3.5	3.3	3.3

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

Table 4

Production of Continuously-cast Steel *

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	5 468	6 936	7 158	7 137	7 668	7 584	7 429	7 185	7 834	6 591
Belgium	5 635	7 973	8 026	7 301	7 127	7 331	7 257	7 687	7 842	7 980
Bulgaria	712	737	835	627	523	612	543	527	652	666
Croatia	43	95	96	1	135	167	122			136
Czech Republic	4 196	4 656	5 032	4 619	4 710	4 911	4 800	4 913	4 221	4 583
Germany	31 604	42 375	42 640	41 241	41 307	41 555	41 397	40 102	41 300	41 200
Finland	3 056	4 012	3 968	3 742	3 499	3 790	3 971	4 084	3 986	4 129
France	12 372	14 782	15 036	14 994	15 108	15 522	14 436	13 969	15 042	14 925
Greece	2 000	1 821	1 934	1 247	1 030	1 022	910	1 158	1 359	1 467
Hungary	1 403	1 678	1 746	1 542	883	1 152	1 675	1 274	1 901	1 989
Italy	18 904	24 644	27 360	25 992	22 890	22 344	20 755	22 147	22 724	23 188
Latvia	692	655	568	805	198					
Luxembourg	2 141	2 548	2 521	2 208	2 090	2 193	2 127	2 175	2 172	2 228
Netherlands	5 134	6 523	6 765	6 739	6 581	6 839	6 888	6 824	6 781	6 813
Poland	6 921	7 784	8 571	8 194	7 783	8 399	9 038	8 850	9 882	10 052
Portugal	1 594	1 523	1 922	1 940	2 040	2 053	2 015	1 998	2 056	2 215
Romania	2 677	3 614	3 691	3 200	2 900	3 100	3 280	3 200	3 280	3 465 e
Slovak Republic	3 733	4 567	4 224	4 391	4 499	4 694	4 551	4 800	4 974	5 225
Slovenia	353	498	530	522	509	493	484	495	521	528
Spain	14 151	15 988	15 103	13 246	13 933	13 940	14 578	13 380	14 201	14 084
Sweden (1)	2 457	4 290	4 229	3 773	3 857	3 978	4 038	4 321	4 339	4 084
United Kingdom	9 938	9 555	9 273	9 390	11 699	11 949	10 756	7 532	7 356	7 141
European Union (28)	135 185	167 256	171 227	162 853	160 970	163 629	161 050	156 621	162 425	162 690
Albania (e)	221	390	464	500	550	560	150	50		
Bosnia-Herzegovina	515	574	632	693	722	793	819	806	756	695
Macedonia	270	292	386	217	100	188	121	169	273	266
Montenegro (e)	130	130	140	120	70	140	150	120	120	120 e
Norway	591	516	598	683	593	590	578	608	603	575
Serbia	1 061	1 254	1 324	346	396	583	955	1 173	1 477	1 973
Switzerland	934	1 320	1 400	1 450	1 530	1 475	1 475	1 500	1 450	1 500 e
Turkey	25 304	29 143	34 107	35 885	34 654	34 035	31 517	33 163	37 524	37 312
Other Europe	29 025	33 619	39 051	39 894	38 614	38 364	35 766	37 589	42 203	42 441
Azerbaijan (e)	120	120	120	120	173	180	180	180	180	200 e
Byelorussia	2 377	2 500	2 600	2 687	2 245	2 513	2 510	2 188	2 343	2 470
Kazakhstan	4 140	4 200	4 695	3 670	3 270	3 675	3 905	4 285	4 635	3 960
Moldova	426	240	313	335	190	351	443	126	469	497
Russia	48 396	54 000	55 550	56 620	56 000	58 500	58 000	58 000	58 600	59 150 e
Ukraine	14 303	18 000	19 030	17 760	17 040	14 700	11 237	11 700	10 792	11 398 e
Uzbekistan	706	710	728	730	746	723	643	654	654	646
C.I.S.	70 468	79 770	83 036	81 922	79 665	80 643	76 918	77 133	77 673	78 321
Canada	9 036	12 873	12 698	13 131	12 055	12 481	12 179	9 891	10 330	10 500 e
Cuba	267	278	282	277	322	256	284	244	221	225
El Salvador	56	64	97	72	118	121	124	100	96	99
Guatemala	224	274	294	334	385	395	403	314	294	300
Mexico	14 108	16 846	18 091	18 047	18 195	18 906	18 203	18 799	19 955	20 204
Trinidad and Tobago	417	572	603	628	616	487	591	36		
United States	57 911	78 398	84 455	87 467	85 796	86 867	78 070	78 012	81 317	85 027
North America	82 020	109 305	116 520	119 956	117 488	119 515	109 854	107 396	112 213	116 356

(1) - includes Steel Powders from 2015.

Table 4
(continued)

Production of Continuously-cast Steel *

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Argentina	3 952	5 124	5 597	4 981	5 172	5 474	5 014	4 112	4 610	5 148
Brazil	25 737	31 827	34 058	33 590	33 431	33 383	32 911	31 120	34 055	34 671
Chile	1 308	1 011	1 615	1 671	1 323	1 079	1 112	1 153	1 158	1 145
Colombia	743	880	986	957	913	1 208	1 211	1 272	1 253	1 219
Ecuador	259	372	463	425	570	667	720	576	561	583
Paraguay	54	59	30	44	45	47	48	35	24	25
Peru	718	880	877	981	1 069	1 078	1 082	1 168	1 207	1 217
Uruguay	57	65	81	78	91	94	97	61	58	60
Venezuela	3 808	2 207	2 980	2 359	2 139	1 485	1 345	553	444	129
South America	36 635	42 425	46 687	45 086	44 753	44 514	43 540	40 050	43 369	44 197
Algeria	560	657	545	550	417	415	650	650	415	2 000 e
D.R. Congo (e)	30	30	30	30	30	30	30	30	30	30 e
Egypt	5 541	6 676	6 485	6 627	6 754	6 485	5 506	5 036	6 870	7 807
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	914	825	100	315	712	712	352	492	422	396
Morocco	499	485	654	539	558	501	516	520	550	600 e
Nigeria (e)	100	100	100	100	100	100	100	100	100	100 e
South Africa	7 456	7 579	7 501	6 900	7 139	6 381	6 380	6 141	6 301	6 327
Tunisia	155	150	150	150	150	150	50	50	50	50 e
Uganda (e)	30	30	30	30	30	30	30	30	30	30 e
Africa	15 330	16 576	15 639	15 287	15 935	14 848	13 659	13 094	14 813	17 385
Iran	10 908	11 995	13 197	14 463	15 422	16 331	16 146	17 895	21 236	24 520
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	1 448	1 970	2 038	2 145	2 236	3 019	2 593	2 521	2 644	2 575
Saudi Arabia (2)	4 690	5 015	5 275	5 203	5 471	6 291	5 229	5 461	4 831	5 240
Syria (e)	70	70	70	10	10					
United Arab Emirates	200	500	2 000	2 408	2 878	2 390	3 006	3 149	3 309	3 247
Middle East	17 766	20 000	23 230	24 979	26 967	29 981	29 424	31 475	34 470	38 032
Bangladesh (e)	70	78	85	87	84	90	100	100	100	100 e
China (1)	568 532	626 716	690 472	720 074	808 202	810 200	792 800	797 500	860 000	914 340 e
India	46 410	52 000	56 900	62 000	66 280	72 270	75 000	82 000	87 400	95 200
Indonesia	3 501	3 664	3 621	2 254	2 644	4 351	4 854	4 746	5 195	6 183
Japan(e:2014-)	86 112	107 655	105 523	105 402	108 932	109 000	103 550	103 225	103 050	102 720 e
South Korea	47 433	57 735	67 184	67 907	65 019	70 405	68 672	67 652	70 111	71 462
Malaysia	5 354	5 694	5 941	5 612	4 693	4 316	3 784	2 764	3 215	4 108
Mongolia (e)	35	35	35	35	40	45	45	50	50	50 e
Myanmar (e)	25	25	25	25	30	35	35	35	35	35 e
Pakistan (e)						2 423	2 890	3 553	4 966	4 719
Philippines	824	1 050	1 200	1 260	1 308	1 196	968	1 075	1 378	1 475
Singapore	664	728	752	688	434	540	501	520	596	618
Sri Lanka (e)	30	30	30	30	30	30	30	30	30	30 e
Taiwan, China	15 779	19 396	19 420	20 576	22 188	23 117	21 303	21 658	22 340	23 148
Thailand	3 646	4 145	4 256	3 641	3 613	5 835	5 069	5 400	6 762	6 403
Viet Nam	2 700	4 314	4 900	5 298	5 474	5 847	5 647	7 811	11 473	15 471
Asia	781 114	883 265	960 343	994 889	1 088 969	1 109 701	1 085 249	1 098 119	1 176 701	1 246 062
Australia	5 192	7 244	6 350	4 832	4 627	4 581	4 900	5 234	5 328	5 689
New Zealand	765	853	844	912	900	859	793	577	657	652
Oceania	5 957	8 097	7 193	5 744	5 528	5 440	5 692	5 811	5 985	6 341
World	1 173 499	1 360 313	1 462 926	1 490 609	1 578 888	1 606 635	1 561 152	1 567 288	1 669 852	1 751 825

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

(2) - HADEED only.

Table 4
(continued)

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	96.6	96.2	95.8	96.2	96.4	96.3	96.6	96.6	96.3	95.7
Belgium	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Bulgaria	98.2	100.0	100.0	99.1	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			
Czech Republic	91.3	89.9	90.1	91.1	91.1	91.6	91.2	92.6	92.8	92.8
Germany	96.7	96.7	96.3	96.7	96.9	96.8	97.0	95.3	95.4	97.1
Finland	99.6	99.6	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
France	96.4	95.9	95.3	96.1	96.3	96.2	96.3	96.9	97.0	97.0
Greece	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Hungary	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Italy	95.2	95.7	95.2	95.4	95.0	94.2	94.3	94.8	94.4	94.5
Latvia	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	98.8	98.1	97.5	98.0	98.0	98.2	98.5	98.7	100.0	100.0
Poland	97.1	97.4	97.6	97.9	97.9	98.1	98.3	98.3	95.6	98.9
Portugal	98.8	98.7	99.0	99.0	99.5	99.2	99.3	99.4	99.0	100.0
Romania	96.9	97.1	96.4	97.2	97.2	98.2	97.9	97.7	97.6	97.6 e
Slovak Republic	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0
Slovenia	82.0	82.2	81.8	82.6	82.3	80.2	80.1	80.7	80.3	80.8
Spain	98.6	97.8	97.4	97.1	97.8	97.8	98.2	98.3	98.3	98.3
Sweden (1)	87.6	88.5	86.9	87.2	87.6	87.6	88.6	89.7	88.1	87.8
United Kingdom	98.6	98.4	97.8	98.0	98.7	99.3	98.6	98.7	98.2	98.3
European Union (28)	97.0	96.7	96.3	96.6	96.7	96.7	96.8	96.5	96.4	97.1
Albania (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
Bosnia-Herzegovina	99.2	97.0	97.5	99.0	100.0	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	99.3	97.4	98.0	97.6	98.0	98.3	98.0	98.1	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
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	99.9	99.9	99.9	100.0	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	98.3	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Kazakhstan	99.9	99.5	99.9	99.8	99.8	99.8	99.9	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	80.6	80.7	80.7	80.6	81.2	81.9	81.8	82.3	82.0	82.1 e
Ukraine	47.9	53.8	53.9	53.9	52.0	54.1	48.9	48.3	50.4	54.0 e
Uzbekistan	98.6	99.2	99.3	99.1	100.0	100.0	100.0	100.0	100.0	100.0
C.I.S.	72.1	73.7	73.7	74.0	73.5	76.0	75.7	75.5	76.8	77.6
Canada	97.2	99.0	98.5	97.2	97.1	98.0	97.6	78.2	78.2	78.1 e
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	99.8	99.9	99.9	99.9	99.7	99.9	99.9	99.9	100.0	100.0
Trinidad and Tobago	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
United States	97.5	97.4	97.8	98.6	98.8	98.5	99.0	99.4	99.6	98.2
North America	97.9	98.0	98.2	98.7	98.7	98.7	99.0	97.1	97.3	96.3

(1) - includes Steel Powders from 2015.

Table 4
(continued)

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Argentina	98.5	99.7	99.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7
Brazil	97.1	96.6	96.7	97.3	97.9	98.5	99.0	98.3	97.9	97.9
Chile	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Colombia	70.6	72.8	76.6	73.5	73.9	100.0	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	100.0	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	97.0	96.7	96.9	97.2	97.7	98.8	99.2	98.7	98.3	98.3
Algeria	93.8	99.2	98.9	98.8	100.0	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	100.0	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	99.6	99.5	99.4	99.5	99.7	99.5	99.4	100.0	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	99.5	99.7	99.6	99.7	99.8	99.8	99.7	100.0	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	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 (2)	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					
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)	98.5	98.1	98.4	98.5	98.3	98.5	98.6	98.7	98.8	98.5 e
India	73.1	75.4	77.4	80.2	81.5	82.8	84.2	85.9	86.1	87.1
Indonesia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Japan (e:2014-)	98.4	98.2	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5 e
South Korea	97.7	98.0	98.1	98.3	98.4	98.4	98.6	98.7	98.7	98.6
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)						100.0	99.9	100.0	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 e
Taiwan, China	99.8	98.2	96.2	99.6	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	96.2	96.2	96.5	96.9	96.9	97.3	97.4	97.6	97.6	97.5
Australia	98.9	99.3	99.1	98.7	98.7	99.4	99.5	99.5	100.0	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	99.0	99.4	99.2	98.9	98.9	99.5	99.6	99.6	100.0	100.0
World	94.7	94.9	95.1	95.5	95.7	96.1	96.3	96.2	96.4	96.4

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

(2) - HADEED only.

Table 5

Production of Liquid Steel for Castings *

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	9	9	10	10	10	10	11	9	6	6
Croatia							0	0	0	
Czech Republic	87	79	75	64	67	56	58	52	46	50
Germany	11	10	11	12	9	9	6	6	5	5
Finland	11	17	21	17	17	17	17	17	17	17
France	1	1	1						1	0
Italy	136	150	146	144	160	150	145	146	143	143
Poland	2									
Portugal	20	20	20	20	10	17	15	12	20	
Slovak Republic	13	16	13	12	12	11	11	9		
Sweden	25	26	38	37	33	25	19	21	22	22
United Kingdom	12	7	11	9	9	9	9	5	3	2
European Union (28)	328	335	345	326	326	305	291	277	263	244
Norway	4	14	12	17	12	10	12	12		
Other Europe	4	14	12	17	12	10	12	12		
Byelorussia	10	10	5							
Kazakhstan	6	5	4	6	5	5	5	5	6	5 e
Russia	1 500	1 640	1 650	1 670	1 500	1 460	1 400	1 400	1 400	1 400 e
Ukraine	100	100	100	95	70	50		20		
C.I.S.	1 616	1 755	1 759	1 771	1 575	1 515	1 405	1 425	1 406	1 405
Canada	47	7								
Mexico	1	1	1							
United States	1	1	1	1	1	1				
North America	49	8	2	1	1	1				
Argentina	14	14	14	14	14	14	14	14	14	14
Brazil	39	32	30	18	21	30	29	154	209	217
South America	53	46	44	32	35	44	43	168	223	231
Mauritania (e)	5	5	5	5	5	5	5	5	5	5 e
Africa	5	5	5	5	5	5	5	5	5	5
Syria (e)						5	5	5	5	5
Middle East						5	5	5	5	5
China (1)	804	1 176	924	678	1 256	1 300	1 200	1 100	850	1 000 e
India	20	20	20	20	20	25	25	30	55	60 e
Japan	351	388	423	392	357	335	320	316	375	388
South Korea	193	236	261	258	274	270	250	231	237	236
Taiwan, China		293	662	1						
Asia	1 367	2 112	2 290	1 349	1 907	1 930	1 795	1 677	1 516	1 684
World	3 421	4 275	4 457	3 499	3 860	3 815	3 556	3 569	3 418	3 575

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

Table 5
(continued)

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	0.2	0.1	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	1.9	1.5	1.3	1.3	1.3	1.0	1.1	1.0	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	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
France	0.0	0.0	0.0						0.0	0.0
Italy	0.7	0.6	0.5	0.5	0.7	0.6	0.7	0.6	0.6	0.6
Poland	0.0									
Portugal	1.2	1.3	1.0	1.0	0.5	0.8	0.7	0.6	1.0	
Slovak Republic	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2		
Sweden	0.9	0.5	0.8	0.9	0.7	0.6	0.4	0.4	0.4	0.5
United Kingdom	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
European Union (28)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
Norway	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		
Byelorussia	0.4	0.4	0.2							
Kazakhstan	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1 e
Russia	2.5	2.4	2.4	2.4	2.2	2.0	2.0	2.0	2.0	1.9 e
Ukraine	0.3	0.3	0.3	0.3	0.2	0.2		0.1		
C.I.S.	1.7	1.6	1.6	1.6	1.5	1.4	1.4	1.4	1.4	1.4
Canada	0.5	0.1								
Mexico	0.0	0.0	0.0							
United States	0.0	0.0	0.0	0.0	0.0	0.0				
North America	0.1	0.0	0.0	0.0	0.0	0.0				
Argentina	0.3	0.3	0.2	0.3	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	0.5	0.6	0.6
South America	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.5	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
Africa	0.0	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	100.0
Middle East						0.0	0.0	0.0	0.0	0.0
China (1)	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1 e
India	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1 e
Japan	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
South Korea	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
Taiwan, China		1.5	3.3	0.0						
Asia	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1
World	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2

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

Table 6

Crude Steel Production by Process *

Year: 2017

	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	5 340	2 500			7 840	68.1	31.9			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 (e)	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	4 821	9 620			14 441	33.4	66.6			100.0
Sweden	3 078	1 848			4 926	62.5	37.5			100.0
United Kingdom	5 997	1 494			7 491	80.1	19.9			100.0
European Union (28)	100 379	68 110		20	168 509	59.6	40.4		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	4 581	60			4 641	98.7	1.3			100.0
Moldova		469			469		100.0			100.0
Russia (e)	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		654			654		100.0			100.0
C.I.S.	67 686	27 151	6 265		101 102	66.9	26.9	6.2		100.0
Canada (e)	7 271	5 937			13 208	55.1	44.9			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	15 234			19 955	23.7	76.3			100.0
United States	25 788	55 824			81 612	31.6	68.4			100.0
North America	37 780	77 606			115 386	32.7	67.3			100.0

OBC - oxygen-blown converter.

EF - electric furnace.

OHF - open hearth furnace.

	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	26 794	7 495		488	34 778	77.0	21.6		1.4	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	30 128	13 492		488	44 108	68.3	30.6		1.1	100.0
Algeria (e)	415				415	100.0				100.0
D.R. Congo (e)		30			30		100.0			100.0
Egypt (e)	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 (e)		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 (e)		50			50		100.0			100.0
Uganda (e)		30			30		100.0			100.0
Africa	4 716	10 097		5	14 818	31.8	68.1		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 (1)		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)	790 000	81 000		85	871 085	90.7	9.3		0.0	100.0
India	46 202	55 253			101 455	45.5	54.5			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	650	2 570			3 220	20.2	79.8			100.0
Mongolia (e)		50			50		100.0			100.0
Myanmar (e)		35			35		100.0			100.0
Pakistan		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		6 762			6 762		100.0			100.0
Viet Nam	4 016	6 310		1 147	11 473	35.0	55.0		10.0	100.0
Asia	984 498	218 743		1 232	1 204 473	81.7	18.2		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 **	1 245 978	477 070	6 265	1 745	1 731 058	72.0	27.6	0.4	0.1	100.0

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

** - Approximately 99.9% of total world production.

(1) - HADEED only.

	OBC	EF	OHF	Other	Total	OBC	EF	OHF	Other	Total
		thousand tonnes					% total production			
Austria	6 177	708			6 885	89.7	10.3			100.0
Belgium	5 400	2 580			7 980	67.7	32.3			100.0
Bulgaria		666			666		100.0			100.0
Croatia		136			136		100.0			100.0
Czech Republic	4 694	245			4 938	95.0	5.0			100.0
Germany	29 732	12 703			42 435	70.1	29.9			100.0
Finland	2 800	1 350			4 150	67.5	32.5			100.0
France	10 524	4 864			15 387	68.4	31.6			100.0
Greece		1 467			1 467		100.0			100.0
Hungary	1 659	329			1 989	83.4	16.6			100.0
Italy	4 520	20 012			24 532	18.4	81.6			100.0
Luxembourg		2 228			2 228		100.0			100.0
Netherlands	6 813				6 813	100.0				100.0
Poland	5 392	4 765			10 157	53.1	46.9			100.0
Portugal (e)		2 215			2 215		100.0			100.0
Romania	2 175	1 375			3 550	61.3	38.7			100.0
Slovak Republic	4 780	440			5 220	91.6	8.4			100.0
Slovenia		654			654		100.0			100.0
Spain	4 911	9 410			14 320	34.3	65.7			100.0
Sweden	2 829	1 824			4 654	60.8	39.2			100.0
United Kingdom	5 651	1 616			7 268	77.8	22.2			100.0
European Union (28)	98 057	69 587			167 644	58.5	41.5			100.0
Bosnia-Herzegovina	695				695	100.0				100.0
Macedonia		266			266		100.0			100.0
Montenegro (e)		120			120		100.0			100.0
Norway		575			575		100.0			100.0
Serbia	1 770	203			1 973	89.7	10.3			100.0
Switzerland (e)		1 500			1 500		100.0			100.0
Turkey	11 513	25 799			37 312	30.9	69.1			100.0
Other Europe	13 978	28 463			42 441	32.9	67.1			100.0
Azerbaijan (e)		200			200		100.0			100.0
Byelorussia		2 470			2 470		100.0			100.0
Kazakhstan	3 905	60			3 965	98.5	1.5			100.0
Moldova		497			497		100.0			100.0
Russia	47 950	22 050	1 700		71 700	66.9	30.8	2.4		100.0
Ukraine	14 714	1 571	4 826		21 111	69.7	7.4	22.9		100.0
Uzbekistan		646			646		100.0			100.0
C.I.S.	66 569	27 494	6 526		100 589	66.2	27.3	6.5		100.0
Canada (e)	7 286	6 157			13 443	54.2	45.8			100.0
Cuba		225			225		100.0			100.0
El Salvador		99			99		100.0			100.0
Guatemala		300			300		100.0			100.0
Mexico	4 885	15 319			20 204	24.2	75.8			100.0
United States	27 704	58 903			86 607	32.0	68.0			100.0
North America	39 875	81 003			120 879	33.0	67.0			100.0

OBC - oxygen-blown converter.

EF - electric furnace.

OHF - open hearth furnace.

	OBC	EF	OHF	Other	Total	OBC	EF	OHF	Other	Total
	thousand tonnes					% total production				
Argentina	2 319	2 843			5 162	44.9	55.1			100.0
Brazil	27 075	7 820		511	35 407	76.5	22.1		1.4	100.0
Chile	789	356			1 145	68.9	31.1			100.0
Colombia	220	1 000			1 220	18.0	82.0			100.0
Ecuador		583			583		100.0			100.0
Paraguay	25				25	100.0				100.0
Peru		1 217			1 217		100.0			100.0
Uruguay		60			60		100.0			100.0
Venezuela		129			129		100.0			100.0
South America	30 428	14 008		511	44 948	67.7	31.2		1.1	100.0
Algeria	400	1 600			2 000	20.0	80.0			100.0
D.R. Congo (e)		30			30		100.0			100.0
Egypt	500	7 305			7 805	6.4	93.6			100.0
Ghana (e)		25			25		100.0			100.0
Kenya (e)		20			20		100.0			100.0
Libya		396			396		100.0			100.0
Mauritania (e)				5	5				100.0	100.0
Morocco		600			600		100.0			100.0
Nigeria (e)		100			100		100.0			100.0
South Africa	3 899	2 428			6 327	61.6	38.4			100.0
Tunisia		50			50		100.0			100.0
Uganda (e)		30			30		100.0			100.0
Africa	4 799	12 584		5	17 389	27.6	72.4		0.0	100.0
Iran	2 255	22 265			24 520	9.2	90.8			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		2 575			2 575		100.0			100.0
Saudi Arabia (1)		5 240			5 240		100.0			100.0
Syria (e)		5			5		100.0			100.0
United Arab Emirates		3 247			3 247		100.0			100.0
Middle East	2 255	35 782			38 037	5.9	94.1			100.0
Bangladesh (e)		100			100		100.0			100.0
China (e)	820 200	108 000		100	928 300	88.4	11.6		0.0	100.0
India	49 719	60 234			109 953	45.2	54.8			100.0
Indonesia	3 009	3 174			6 183	48.7	51.3			100.0
Japan	78 230	26 088			104 319	75.0	25.0			100.0
South Korea	48 281	24 183			72 464	66.6	33.4			100.0
Malaysia	850	3 250			4 100	20.7	79.3			100.0
Mongolia (e)		50			50		100.0			100.0
Myanmar (e)		35			35		100.0			100.0
Pakistan		4 719			4 719		100.0			100.0
Philippines		1 475			1 475		100.0			100.0
Singapore		618			618		100.0			100.0
Sri Lanka (e)		30			30		100.0			100.0
Taiwan, China	14 063	9 177			23 240	60.5	39.5			100.0
Thailand		6 403			6 403		100.0			100.0
Viet Nam	8 200	6 000		1 271	15 471	53.0	38.8		8.2	100.0
Asia	1 022 553	253 536		1 371	1 277 460	80.0	19.8		0.1	100.0
Australia	4 228	1 461			5 689	74.3	25.7			100.0
New Zealand	652				652	100.0				100.0
Oceania	4 880	1 461			6 341	77.0	23.0			100.0
World **	1 283 394	523 918	6 526	1 887	1 815 726	70.7	28.9	0.4	0.1	100.0

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

** - Approximately 99.9% of total world production.

(1) - HADEED only.

Table 7

Production of Crude Steel in Oxygen-blown Converters *

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	5 074	6 569	6 785	6 746	7 288	7 185	7 020	6 766	7 412	6 177
Belgium	3 289	5 177	5 253	4 647	4 738	4 952	4 809	5 330	5 340	5 400
Czech Republic	4 254	4 762	5 128	4 701	4 805	5 006	4 902	5 011	4 306	4 694
Germany	21 335	30 615	30 079	28 872	29 185	29 881	30 054	29 486	30 290	29 732
Finland	2 221	2 765	2 703	2 300	2 220	2 545	2 625	2 750	2 700	2 800
France	7 676	9 813	9 652	9 507	10 195	10 645	9 825	9 527	10 664	10 524
Hungary	1 271	1 586	1 570	1 488	744	974	1 507	1 041	1 602	1 659
Italy	5 812	8 587	9 892	9 312	6 798	6 514	4 791	5 669	4 732	4 520
Netherlands	5 134	6 523	6 765	6 739	6 581	6 839	6 888	6 824	6 781	6 813
Poland	3 236	3 995	4 424	4 234	4 399	5 067	5 321	5 110	5 706	5 392
Romania	1 790	1 990	1 877	1 701	1 830	1 845	2 245	2 228	2 330	2 175
Slovak Republic	3 542	4 244	3 856	4 023	4 172	4 344	4 236	4 506	4 619	4 780
Spain	3 088	3 840	3 844	3 423	4 210	4 206	4 701	4 547	4 821	4 911
Sweden	1 837	3 329	3 192	2 883	2 986	3 096	2 890	3 111	3 078	2 829
United Kingdom	7 955	7 323	6 946	7 525	9 915	10 079	9 051	6 153	5 997	5 651
European Union (28)	77 513	101 116	101 966	98 103	100 067	103 178	100 864	98 058	100 379	98 057
Bosnia-Herzegovina	517	592	649	700	721	793	819	806	756	695
Serbia	1 061	1 254	1 324	346	396	583	955	1 173	1 477	1 770
Turkey	7 563	8 238	8 832	9 325	9 931	10 283	11 035	11 317	11 561	11 513
Other Europe	9 141	10 084	10 804	10 371	11 048	11 659	12 809	13 295	13 794	13 978
Kazakhstan	3 283	3 293	3 636	2 904	3 009	3 526	3 620	4 230	4 581	3 905 e
Russia	38 036	42 430	43 650	45 800	46 101	47 567	46 979	47 000	47 800	47 950 e
Ukraine	20 679	23 200	24 500	23 954	24 284	19 930	16 455	16 950	15 305	14 714 e
C.I.S.	61 998	68 923	71 786	72 658	73 394	71 024	67 054	68 180	67 686	66 569
Canada	5 337	7 655	7 478	7 810	6 850	7 723	6 715	7 012	7 271	7 286 e
Mexico	4 337	5 155	5 066	4 989	5 363	5 679	4 978	4 919	4 721	4 885
United States	22 659	31 157	34 290	36 281	34 237	33 000	29 395	25 888	25 788	27 704
North America	32 333	43 967	46 835	49 080	46 450	46 402	41 089	37 819	37 780	39 875
Argentina	2 171	2 604	2 846	2 214	2 531	2 749	2 822	2 340	2 296	2 319
Brazil	19 662	24 627	26 447	25 962	25 055	25 507	26 014	24 330	26 794	27 075
Chile	968	647	1 191	1 186	864	697	773	815	794	789
Colombia	310	340	302	345	323	297	241	244	220	220
Paraguay	54	59	30	44	45	47	48	35	24	25
South America	23 165	28 277	30 815	29 751	28 819	29 297	29 898	27 763	30 128	30 428
Algeria	597	662	551	557	417	415	650	650	415	400 e
Egypt	840	600	545	530	540	515	580	575	570	500 e
South Africa	3 954	4 367	3 992	3 904	4 272	3 623	3 908	3 820	3 731	3 899
Africa	5 391	5 628	5 088	4 991	5 229	4 553	5 138	5 045	4 716	4 799
Iran	1 992	2 150	2 296	2 157	2 013	2 724	2 407	2 183	2 235	2 255
Middle East	1 992	2 150	2 296	2 157	2 013	2 724	2 407	2 183	2 235	2 255
China	521 203	572 376	630 561	666 185	764 631	767 900	756 300	756 600	790 000	820 200 e
India	23 002	23 500	23 632	24 664	34 773	37 045	38 216	40 739	46 202	49 719
Indonesia						1 903	2 720	2 907	2 922	3 009
Japan	68 337	85 756	82 743	82 307	85 680	84 987	81 081	81 513	79 343	78 230
South Korea	27 667	34 113	42 142	43 119	40 294	47 345	48 500	47 521	47 676	48 281
Pakistan (e)	620	400	350	200	165	145	180			
Taiwan, China	8 150	10 396	10 298	11 092	12 483	13 544	13 328	13 969	13 690	14 063
Viet Nam					500	877	1 409	2 343	4 016	8 200
Asia	648 980	726 542	789 727	827 567	938 526	953 748	941 734	945 592	983 848	1 021 703
Australia	4 331	6 067	5 150	3 777	3 642	3 573	3 797	3 983	4 104	4 228
New Zealand	532	620	611	625	612	595	583	577	657	652
Oceania	4 863	6 687	5 761	4 402	4 254	4 168	4 380	4 560	4 761	4 880
World	865 376	993 374	1 065 079	1 099 079	1 209 799	1 226 751	1 205 373	1 202 495	1 245 328	1 282 544

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

Table 7
(continued)

Production of Crude Steel in Oxygen-blown Converters *

	% total crude steel production									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	89.6	91.2	90.8	90.9	91.6	91.2	91.3	91.0	91.1	89.7
Belgium	58.4	64.9	65.4	63.6	66.5	67.6	66.3	69.3	68.1	67.7
Czech Republic	92.6	91.9	91.8	92.7	92.9	93.4	93.2	94.4	94.6	95.0
Germany	65.3	69.8	67.9	67.7	68.4	69.6	70.4	70.1	70.0	70.1
Finland	72.4	68.6	67.8	61.2	63.1	66.8	65.8	67.1	67.4	67.5
France	59.8	63.7	61.2	60.9	65.0	65.9	65.6	66.1	68.8	68.4
Hungary	90.6	94.5	89.9	96.5	84.3	84.5	90.0	81.7	84.3	83.4
Italy	29.3	33.3	34.4	34.2	28.2	27.5	21.8	24.3	19.7	18.4
Netherlands	98.8	98.1	97.5	98.0	98.0	98.2	98.5	98.7	100.0	100.0
Poland	45.4	50.0	50.4	50.6	55.3	59.2	57.8	56.8	55.2	53.0
Romania	64.8	53.5	49.0	51.7	61.3	58.4	67.0	68.0	69.3	61.3
Slovak Republic	94.5	92.6	91.0	91.4	92.5	92.3	92.9	93.7	92.9	91.5
Spain	21.5	23.5	24.8	25.1	29.5	29.5	31.7	33.4	33.4	34.3
Sweden	65.5	68.7	65.6	66.6	67.8	68.2	63.4	64.6	62.5	60.8
United Kingdom	79.0	75.4	73.3	78.6	83.6	83.8	83.0	80.6	80.1	77.8
European Union (28)	55.6	58.5	57.4	58.2	60.1	61.0	60.7	60.4	59.6	58.5
Bosnia-Herzegovina	99.6	100.0	100.0	100.0	99.9	100.0	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	89.7
Turkey	29.9	28.3	25.9	26.0	28.7	30.2	35.0	34.1	30.8	30.9
Other Europe	31.5	30.0	27.6	26.0	28.6	30.4	35.8	35.4	32.7	32.9
Kazakhstan	79.2	78.0	77.4	79.0	91.9	95.8	92.6	98.6	98.7	98.5 e
Russia	63.4	63.4	63.4	65.2	66.8	66.6	66.3	66.7	66.9	66.6 e
Ukraine	69.3	69.4	69.3	72.6	74.1	73.4	71.6	70.0	71.5	69.7 e
C.I.S.	63.5	63.7	63.7	65.6	67.7	67.0	66.0	66.8	66.9	66.0
Canada	57.4	58.8	58.0	57.8	55.2	60.7	53.8	55.4	55.1	54.2 e
Mexico	30.7	30.6	28.0	27.6	29.4	30.0	27.3	26.1	23.7	24.2
United States	38.2	38.7	39.7	40.9	39.4	37.4	37.3	33.0	31.6	32.0
North America	38.6	39.4	39.5	40.4	39.0	38.3	37.0	34.2	32.7	33.0
Argentina	54.1	50.7	50.7	44.3	48.8	50.1	56.1	56.7	49.6	44.9
Brazil	74.2	74.7	75.1	75.2	73.3	75.2	78.2	76.9	77.0	76.5
Chile	74.0	64.0	73.7	71.0	65.4	64.6	69.5	70.7	68.6	68.9
Colombia	29.4	28.2	23.4	26.5	26.1	24.6	19.9	19.2	17.6	18.0
Paraguay	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
South America	61.3	64.4	64.0	64.1	62.9	65.0	68.1	68.4	68.3	67.7
Algeria	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	20.0 e
Egypt	15.2	9.0	8.4	8.0	8.0	7.9	10.5	11.4	8.3	6.4 e
South Africa	52.8	57.3	52.9	56.3	59.6	56.5	60.9	62.2	59.2	61.6
Africa	35.0	33.9	32.4	32.5	32.8	30.6	37.5	38.5	31.8	27.6
Iran	18.3	17.9	17.4	14.9	13.1	16.7	14.9	12.2	10.5	9.2
Middle East	11.2	10.8	9.9	8.6	7.5	9.1	8.2	6.9	6.5	5.9
China	90.3	89.6	89.8	91.1	93.0	93.4	94.1	93.7	90.7	88.4 e
India	36.2	34.1	32.2	31.9	42.8	42.4	42.9	42.7	45.5	45.5
Indonesia						43.7	56.0	61.3	56.2	48.7
Japan	78.1	78.2	76.9	76.8	77.5	76.8	77.1	77.8	75.8	75.0
South Korea	57.0	57.9	61.5	62.4	61.0	66.2	69.6	69.3	67.1	66.6
Pakistan (e)	51.7	28.6	22.0	12.3	8.9	6.0	6.2			
Taiwan, China	51.5	52.6	51.0	53.7	56.0	58.3	62.3	64.2	61.0	60.5
Viet Nam					9.1	15.0	25.0	30.0	35.0	53.0
Asia	79.9	79.1	79.3	80.6	83.5	83.6	84.5	84.0	81.6	79.9
Australia	82.5	83.1	80.4	77.2	77.7	77.6	77.1	75.7	77.0	74.3
New Zealand	69.6	72.7	72.4	68.6	67.9	69.2	73.5	100.0	100.0	100.0
Oceania	80.9	82.1	79.5	75.8	76.1	76.2	76.6	78.1	79.5	77.0
World	69.9	69.3	69.2	70.4	73.3	73.4	74.3	73.8	71.9	70.6

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

Table 8

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	588	637	689	674	664	691	667	672	723	708
Belgium	2 347	2 796	2 773	2 654	2 389	2 379	2 448	2 357	2 500	2 580
Bulgaria	726	737	835	633	523	612	543	527	652	666
Croatia	43	95	96	1	135	167	122	0	0	136
Czech Republic	339	418	455	371	367	354	360	295	244	245
Germany	11 336	13 215	14 204	13 789	13 459	13 062	12 622	12 594	13 007	12 703
Finland	846	1 265	1 286	1 460	1 300	1 265	1 365	1 350	1 300	1 350
France	5 164	5 601	6 128	6 102	5 491	5 498	5 159	4 886	4 840	4 864
Greece	2 000	1 821	1 934	1 247	1 030	1 022	910	1 158	1 359	1 467
Hungary	132	92	176	54	139	178	168	233	298	329
Italy	14 036	17 163	18 843	17 939	17 295	17 200	17 227	17 704	19 336	20 012
Latvia			568	805	198					
Luxembourg	2 141	2 548	2 521	2 208	2 090	2 193	2 127	2 175	2 172	2 228
Netherlands	60	128	172	141	132	125	107	93		
Poland	3 893	3 998	4 356	4 132	3 551	3 492	3 877	3 891	4 626	4 765
Portugal	1 614	1 543	1 942	1 960	2 050	2 070	2 030	2 010	2 056	2 215
Romania	971	1 731	1 951	1 591	1 155	1 314	1 100	1 046	1 030	1 375 e
Slovak Republic	204	339	380	381	339	362	326	302	355	440
Slovenia	430	606	648	632	618	615	604	613	648	654
Spain	11 270	12 503	11 660	10 216	10 042	10 042	10 144	9 069	9 620	9 410
Sweden	967	1 517	1 675	1 443	1 418	1 443	1 667	1 706	1 848	1 824
United Kingdom	2 120	2 385	2 532	2 054	1 942	1 955	1 856	1 482	1 494	1 616
European Union (28)	61 226	71 138	75 825	70 487	66 326	66 039	65 429	64 162	68 110	69 587
Albania (e)	221	390	464	500	550	560	150	50		
Bosnia-Herzegovina	2				1					
Macedonia	270	292	386	217	100	188	121	169	273	266
Montenegro (e)	130	130	140	120	70	140	150	120	120	120 e
Norway	595	530	610	700	605	600	590	620	603	575
Serbia										203
Switzerland	934	1 320	1 400	1 450	1 530	1 475	1 475	1 500	1 450	1 500 e
Turkey	17 741	20 905	25 275	26 560	24 723	23 752	20 482	21 846	25 963	25 799
Other Europe	19 893	23 566	28 275	29 547	27 579	26 715	22 968	24 305	28 409	28 463
Azerbaijan (e)	120	120	120	120	173	180	180	180	180	200
Byelorussia	2 356	2 500	2 600	2 687	2 245	2 513	2 510	2 188	2 343	2 470
Kazakhstan	863	927	1 064	773	266	155	290	60	60	60 e
Moldova	426	240	313	335	190	351	443	126	469	497
Russia	16 119	17 980	18 500	20 800	20 005	21 852	21 600	21 800	22 000	22 050 e
Ukraine	1 338	1 500	1 580	1 987	1 951	1 678	1 293	1 700	1 445	1 571 e
Uzbekistan	626	630	650	736	746	723	643	654	654	646
C.I.S.	21 848	23 897	24 826	27 437	25 576	27 452	26 959	26 708	27 151	27 494
Canada	3 955	5 355	5 412	5 697	5 565	5 007	5 757	5 634	5 937	6 157 e
Cuba	267	278	282	277	322	256	284	244	221	225
El Salvador	56	64	97	72	118	121	124	100	96	99
Guatemala	224	274	294	334	385	395	403	314	294	300
Mexico	9 795	11 715	13 044	13 084	12 880	13 251	13 240	13 904	15 234	15 319
Trinidad and Tobago	417	572	603	628	616	487	591	36		
United States	36 725	49 338	52 107	52 414	52 641	55 174	49 450	52 587	55 824	58 903
North America	51 439	67 595	71 840	72 506	72 526	74 691	69 849	72 820	77 606	81 003

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Argentina	1 842	2 535	2 765	2 781	2 654	2 740	2 206	1 787	2 328	2 843
Brazil	6 349	7 812	8 231	8 094	8 570	7 877	6 720	6 810	7 495	7 820
Chile	340	364	424	485	458	382	339	337	364	356
Colombia	743	867	986	957	913	910	970	1 028	1 035	1 000
Ecuador	259	372	463	425	570	667	720	576	561	583
Peru	718	880	877	981	1 069	1 078	1 082	1 168	1 207	1 217
Uruguay	57	65	81	78	91	94	97	61	58	60
Venezuela	3 808	2 207	2 980	2 359	2 139	1 485	1 345	553	444	129
South America	14 116	15 103	16 807	16 160	16 465	15 233	13 479	12 321	13 492	14 008
Algeria										1 600 e
D.R. Congo (e)	30	30	30	30	30	30	30	30	30	30 e
Egypt	4 700	6 075	5 940	6 100	6 215	5 970	4 930	4 460	6 300	7 305 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	914	825	100	315	712	712	352	492	422	396
Morocco	499	485	654	539	558	501	516	520	550	600 e
Nigeria (e)	100	100	100	100	100	100	100	100	100	100 e
South Africa	3 530	3 250	3 555	3 034	2 890	2 789	2 510	2 322	2 570	2 428
Tunisia	155	150	150	150	150	150	50	50	50	50 e
Uganda (e)	30	30	30	30	30	30	30	30	30	30 e
Africa	10 003	10 990	10 603	10 344	10 730	10 327	8 562	8 048	10 097	12 584
Iran	8 916	9 845	10 901	12 306	13 409	13 607	13 739	15 712	19 000	22 265
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	1 448	1 970	2 038	2 145	2 236	3 019	2 593	2 521	2 644	2 575
Saudi Arabia (1)	4 690	5 015	5 275	5 203	5 471	6 291	5 229	5 461	4 831	5 240
Syria (e)	70	70	70	10	10	5	5	5	5	5 e
United Arab Emirates	200	500	2 000	2 408	2 878	2 390	3 006	3 149	3 309	3 247
Middle East	15 774	17 850	20 934	22 822	24 954	27 262	27 022	29 298	32 240	35 782
Bangladesh (e)	70	78	85	87	84	90	100	100	100	100 e
China	55 765	66 315	70 946	64 796	48 444	54 337	47 457	50 928	81 000	108 000 e
India	40 133	45 060	49 474	52 350	46 391	50 211	50 810	55 253	55 253	60 234
Indonesia	3 501	3 664	3 621	2 254	2 644	2 448	2 134	1 839	2 274	3 174
Japan	19 197	23 843	24 858	24 925	24 915	25 679	24 053	23 262	25 318	26 088
South Korea	20 905	24 801	26 377	25 955	25 768	24 197	21 171	21 055	23 354	24 183
Malaysia	5 354	5 694	5 941	5 612	4 693	4 316	3 050	2 250	2 570	3 250
Mongolia (e)	35	35	35	35	40	45	45	50	50	50 e
Myanmar (e)	25	25	25	25	30	35	35	35	35	35 e
Pakistan (e)	580	1 000	1 240	1 430	1 680	2 280	2 710	3 553	4 966	4 719
Philippines	824	1 050	1 200	1 260	1 308	1 196	968	1 075	1 378	1 475
Singapore	664	728	752	688	434	540	501	520	596	618
Sri Lanka (e)	30	30	30	30	30	30	30	30	30	30
Taiwan, China	7 664	9 358	9 880	9 572	9 799	9 677	8 064	7 782	8 748	9 177
Thailand	3 646	4 145	4 256	3 641	3 613	5 835	5 069	5 400	6 762	6 403
Viet Nam	2 700	4 314	4 900	5 298	4 653	4 385	3 381	4 687	6 310	6 000
Asia	161 092	190 140	203 619	197 957	174 525	185 301	169 579	177 820	218 743	253 536
Australia	919	1 229	1 254	1 116	1 045	1 034	1 127	1 276	1 224	1 461
New Zealand	233	233	233	287	289	264	210			
Oceania	1 151	1 462	1 487	1 403	1 334	1 298	1 337	1 276	1 224	1 461
World	356 542	421 741	454 216	448 662	420 016	434 320	405 186	416 759	477 070	523 918

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

(1) - HADEED only.

Table 8
(continued) **Production of Crude Steel in Electric Furnaces (Arc and Induction) ***
% total crude steel production

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	10.4	8.8	9.2	9.1	8.4	8.8	8.7	9.0	8.9	10.3
Belgium	41.6	35.1	34.6	36.4	33.5	32.4	33.7	30.7	31.9	32.3
Bulgaria	100.0	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	7.4	8.1	8.2	7.3	7.1	6.6	6.8	5.6	5.4	5.0
Germany	34.7	30.2	32.1	32.3	31.6	30.4	29.6	29.9	30.0	29.9
Finland	27.6	31.4	32.2	38.8	37.0	33.2	34.2	32.9	32.5	32.6
France	40.2	36.3	38.8	39.1	35.0	34.1	34.4	33.9	31.2	31.6
Greece	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Hungary	9.4	5.5	10.1	3.5	15.7	15.5	10.0	18.3	15.7	16.6
Italy	70.7	66.7	65.6	65.8	71.8	72.5	78.2	75.7	80.3	81.6
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	1.2	1.9	2.5	2.0	2.0	1.8	1.5	1.3		
Poland	54.6	50.0	49.6	49.4	44.7	40.8	42.2	43.2	44.8	46.9
Portugal	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0	100.0
Romania	35.2	46.5	51.0	48.3	38.7	41.6	32.8	31.9	30.6	38.7 e
Slovak Republic	5.5	7.4	9.0	8.6	7.5	7.7	7.1	6.3	7.1	8.4
Slovenia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Spain	78.5	76.5	75.2	74.9	70.5	70.5	68.3	66.6	66.6	65.7
Sweden	34.5	31.3	34.4	33.4	32.2	31.8	36.6	35.4	37.5	39.2
United Kingdom	21.0	24.6	26.7	21.4	16.4	16.2	17.0	19.4	19.9	22.2
European Union (28)	43.9	41.1	42.6	41.8	39.9	39.0	39.3	39.6	40.4	41.5
Albania (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
Bosnia-Herzegovina	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
Serbia										10.3
Switzerland	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
Turkey	70.1	71.7	74.1	74.0	71.3	69.8	65.0	65.9	69.2	69.1
Other Europe	68.5	70.0	72.4	74.0	71.4	69.6	64.2	64.6	67.3	67.1
Azerbaijan (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Byelorussia	97.5	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Kazakhstan	20.8	22.0	22.6	21.0	8.1	4.2	7.4	1.4	1.3	1.5 e
Moldova	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Russia	26.9	26.9	26.9	29.6	29.0	30.6	30.5	30.9	30.8	30.6 e
Ukraine	4.5	4.5	4.5	6.0	6.0	6.2	5.6	7.0	6.7	7.4 e
Uzbekistan	87.4	88.0	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
C.I.S.	22.4	22.1	22.0	24.8	23.6	25.9	26.5	26.2	26.8	27.2
Canada	42.6	41.2	42.0	42.2	44.8	39.3	46.2	44.6	44.9	45.8 e
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	69.3	69.4	72.0	72.4	70.6	70.0	72.7	73.9	76.3	75.8
Trinidad and Tobago	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
United States	61.8	61.3	60.3	59.1	60.6	62.6	62.7	67.0	68.4	68.0
North America	61.4	60.6	60.5	59.6	61.0	61.7	63.0	65.8	67.3	67.0

Table 8
(continued) **Production of Crude Steel in Electric Furnaces (Arc and Induction) ***
% total crude steel production

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Argentina	45.9	49.3	49.3	55.7	51.2	49.9	43.9	43.3	50.4	55.1
Brazil	24.0	23.7	23.4	23.4	25.1	23.2	20.2	21.5	21.6	22.1
Chile	26.0	36.0	26.3	29.0	34.6	35.4	30.5	29.3	31.4	31.1
Colombia	70.6	71.8	76.6	73.5	73.9	75.4	80.1	80.8	82.6	82.0
Ecuador	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Peru	100.0	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	37.4	34.4	34.9	34.8	35.9	33.8	30.7	30.4	30.6	31.2
Algeria										80.0 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	84.8	91.0	91.6	92.0	92.0	92.1	89.5	88.6	91.7	93.6 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	47.2	42.7	47.1	43.7	40.4	43.5	39.1	37.8	40.8	38.4
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	65.0	66.1	67.6	67.4	67.2	69.4	62.5	61.4	68.1	72.4
Iran	81.7	82.1	82.6	85.1	86.9	83.3	85.1	87.8	89.5	90.8
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	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 (1)	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	88.8	89.2	90.1	91.4	92.5	90.9	91.8	93.1	93.5	94.1
Bangladesh (e)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 e
China	9.7	10.4	10.1	8.9	5.9	6.6	5.9	6.3	9.3	11.6 e
India	63.2	65.3	67.3	67.8	57.1	57.5	57.1	57.9	54.5	55.1
Indonesia	100.0	100.0	100.0	100.0	100.0	56.3	44.0	38.7	43.8	51.3
Japan	21.9	21.8	23.1	23.2	22.5	23.2	22.9	22.2	24.2	25.0
South Korea	43.0	42.1	38.5	37.6	39.0	33.8	30.4	30.7	32.9	33.4
Malaysia	100.0	100.0	100.0	100.0	100.0	100.0	80.6	81.4	79.9	79.1
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)	48.4	71.4	77.9	87.7	91.1	94.1	93.7	100.0	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	48.5	47.4	49.0	46.3	44.0	41.7	37.7	35.8	39.0	39.5
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	85.0	75.0	59.9	60.0	55.0	38.8
Asia	19.8	20.7	20.5	19.3	15.5	16.2	15.2	15.8	18.1	19.8
Australia	17.5	16.9	19.6	22.8	22.3	22.4	22.9	24.3	23.0	25.7
New Zealand	30.4	27.3	27.6	31.4	32.1	30.8	26.5			
Oceania	19.1	17.9	20.5	24.2	23.9	23.8	23.4	21.9	20.5	23.0
World	28.8	29.4	29.5	28.8	25.4	26.0	25.0	25.6	27.5	28.8

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

(1) - HADEED only.

Table 9

Production of Crude Steel in Open Hearth Furnaces *

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Latvia	692	655								
European Union (28)	692	655								
Byelorussia	60	30	14							
Russia	5 856	6 530	6 700	3 610	2 744	1 981	1 671	1 650	1 690	1 700 e
Ukraine	7 838	8 730	9 250	7 035	6 536	5 563	5 181	5 570	4 575	4 826
Uzbekistan	90	85	85							
C.I.S.	13 844	15 375	16 049	10 645	9 281	7 543	6 853	7 220	6 265	6 526
India	394	416	367	250	135	35				
Asia	394	416	367	250	135	35				
World	14 930	16 446	16 416	10 895	9 416	7 578	6 853	7 220	6 265	6 526

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

Table 9
(continued)

Production of Crude Steel in Open Hearth Furnaces *
% total crude steel production

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Latvia	100.0	100.0								
European Union (28)	0.5	0.4								
Byelorussia	2.5	1.2	0.5							
Russia	9.8	9.8	9.7	5.1	4.0	2.8	2.4	2.3	2.4	2.4 e
Ukraine	26.3	26.1	26.2	21.3	19.9	20.5	22.6	23.0	21.4	22.9
Uzbekistan	12.6	11.9	11.6							
C.I.S.	14.2	14.2	14.2	9.6	8.6	7.1	6.7	7.1	6.2	6.5
India	0.6	0.6	0.5	0.3	0.2	0.0				
Asia	0.0	0.0	0.0	0.0	0.0	0.0				
World	1.2	1.1	1.1	0.7	0.6	0.5	0.4	0.4	0.4	0.4

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

Table 10

Monthly Crude Steel Production

2018

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Austria	658	631	713	637	709	474	354	321	348	735	673	633	6 885
Belgium	627	628	761	664	689	660	704	642	674	738	612	580	7 980
Bulgaria	55	55	55	58	61	63	51	53	52	54	55	55	666
Croatia	5	4	10	11	13	9	10	8	13	19	19	14	136
Czech Republic	434	399	421	409	410	433	444	444	374	375	390	406	4 938
Finland	376	322	361	359	352	345	346	349	331	352	339	315	4 146
France	1 371	1 251	1 352	1 400	1 336	1 267	1 338	944	1 341	1 309	1 351	1 126	15 387
Germany	3 676	3 442	3 717	3 678	3 699	3 617	3 395	3 239	3 490	3 565	3 689	3 227	42 435
Greece	127	127	144	108	130	140	136	53	148	137	129	88	1 467
Hungary	155	161	176	165	174	165	179	155	154	178	166	160	1 989
Italy	2 031	2 104	2 285	2 069	2 190	2 140	2 156	1 168	2 185	2 310	2 186	1 708	24 532
Luxembourg	190	185	209	194	193	201	205	128	198	195	188	143	2 228
Netherlands	588	554	611	573	624	582	589	516	446	585	578	567	6 813
Poland	909	858	907	827	881	840	809	753	824	830	850	878	10 167
Slovenia	59	55	67	55	59	57	52	48	59	52	51	41	654
Spain	1 114	1 107	1 295	1 347	1 374	1 183	951	1 187	1 187	1 326	1 201	1 049	14 320
Sweden	461	358	433	453	448	398	349	345	280	394	333	402	4 654
United Kingdom	586	567	711	758	574	715	687	546	637	470	567	535	7 268
Other E.U. (28) (e)	880	856	955	921	961	932	919	816	914	977	941	919	10 990
European Union (28)	14 304	13 664	15 182	14 687	14 877	14 219	13 673	11 714	13 656	14 602	14 316	12 847	167 655
Bosnia-Herzegovina	73	66	66	32		1	69	75	72	83	79	79	695
Macedonia	25	23	20	27		37	24	21	23	19	21	27	266
Norway	54	47	49	49	47	53	15	55	50	57	56	43	575
Serbia	178	153	137	167	183	180	179	158	123	189	180	148	1 973
Turkey	3 188	3 011	3 382	2 967	3 331	3 032	3 272	3 005	2 935	3 162	3 139	2 886	37 312
Other Europe	3 518	3 300	3 654	3 241	3 561	3 303	3 559	3 315	3 203	3 510	3 474	3 184	40 821
Byelorussia	215	154	115	217	225	217	224	220	211	223	220	229	2 470
Kazakhstan	381	355	432	363	408	387	367	375	309	389	142	56	3 964
Moldova	32	47	60	53	40	43	42	51	34	35	38	22	497
Russia	5 985	5 400	6 138	6 041	6 039	5 961	6 224	6 067	5 725	5 810	5 729	6 127	72 042
Ukraine	1 945	1 608	1 711	1 721	1 695	1 711	1 815	1 786	1 787	1 788	1 658	1 885	21 100
Uzbekistan	53	49	53	58	54	60	52	62	56	49	52	48	646
C.I.S.	8 611	7 613	8 509	8 453	8 461	8 379	8 724	8 561	8 122	8 294	7 839	8 367	100 719

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

Monthly Crude Steel Production

Table 10
(continued)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Canada	1 134	1 114	1 173	1 182	1 122	1 081	1 140	1 152	1 168	1 138	1 058	981	13 443
Cuba	18	17	16	17	17	16	18	20	20	19	22	21	225
El Salvador	8	8	8	8	8	7	9	8	9	8	9	8	99
Guatemala	26	24	23	25	24	23	26	26	27	26	27	26	300
Mexico	1 715	1 642	1 850	1 743	1 741	1 738	1 754	1 660	1 638	1 572	1 538	1 612	20 204
United States	6 891	6 592	7 334	6 922	7 263	7 057	7 383	7 477	7 255	7 557	7 399	7 478	86 607
North America	9 792	9 398	10 404	9 896	10 175	9 923	10 330	10 343	10 117	10 320	10 053	10 126	120 879
Argentina	344	417	474	463	438	414	464	455	435	446	456	356	5 162
Brazil	2 914	2 766	3 113	2 995	2 724	2 970	3 086	2 914	3 081	3 224	2 911	2 709	35 407
Chile	92	99	106	80	80	76	96	105	101	109	106	94	1 145
Colombia	88	102	85	92	100	105	115	115	100	108	108	101	1 219
Ecuador	49	50	48	47	49	48	51	51	50	45	49	48	583
Paraguay	2	1	1	1	1	2	2	3	3	3	3	3	25
Peru	100	92	105	101	105	103	103	101	100	104	102	101	1 217
Uruguay	6	3	4	5	4	5	5	5	5	5	7	5	60
Venezuela	11	16	23	18	13	12	9	9	5	5	4	4	129
South America	3 606	3 547	3 960	3 801	3 515	3 733	3 931	3 759	3 879	4 049	3 747	3 421	44 947
Egypt	666	583	668	615	626	642	660	605	669	729	674	670	7 807
Libya	48	48	30		22	36	43	26	13	28	48	55	396
South Africa	577 e	491 e	527 e	486 e	568 e	547 e	535 e	528 e	573 e	543 e	528 e	423 e	6 327
Africa	1 291	1 122	1 226	1 101	1 216	1 225	1 238	1 159	1 254	1 301	1 250	1 148	14 530
Iran	2 289	1 656	1 866	2 106	2 153	2 040	1 981	2 062	2 065	2 047	2 187	2 068	24 520
Qatar	233	152	239	233	234	225	224	226	226	205	176	202	2 575
Saudi Arabia (1)	423	385	385	446	447	460	503	483	399	407	435	468	5 240
United Arab Emirates	282	202	248	276	299	279	274	265	233	299	298	292	3 247
Middle East	3 227	2 395	2 738	3 060	3 132	3 004	2 982	3 036	2 923	2 958	3 096	3 030	35 582
China	71 986	65 020	73 047	75 453	81 018	79 585	81 180	79 834	80 959	82 014	77 621	76 121	928 264
India	9 354	8 545	9 506	8 821	9 028	8 976	9 059	9 208	8 819	9 408	9 192	9 356	109 272
Japan	9 025	8 293	9 085	8 717	9 096	8 750	8 420	8 806	8 427	8 578	8 659	8 463	104 319
South Korea	6 306	5 414	6 095	5 897	6 232	6 116	6 173	6 101	5 847	6 198	5 923	6 163	72 464
Pakistan	430	436	435	396	375	442	436	430	415	320	321	283	4 719
Taiwan, China	1 821	1 482	2 031	2 031	2 094	1 966	1 976	1 950	1 868	2 023	1 961	2 038	23 240
Thailand	584	547	607	523	460	589	568	598	576	426	485	437	6 403
Vietnam (2)	1 035	758	1 141	1 134	1 065	1 113	1 165	1 402	1 265	1 342	1 295	1 292	15 471
Asia	100 542	90 494	101 948	102 973	109 368	107 538	108 977	108 328	108 175	110 309	105 457	104 152	1264 152
Australia	493	425	482	498	518	507	516	506	434	441	420	449	5 689
New Zealand	59	52	47	61	56	52	62	54	48	50	54	58	652
Oceania	552	477	529	559	574	559	577	560	481	491	474	507	6 341
Total 64 countries *	145 442	132 010	148 150	147 771	154 879	151 884	153 992	150 775	151 811	155 833	149 706	146 781	1 795 627

* - Approximately 98.8% of total world production. (1) - HADEED only. (2) partial monthly data, approximately 91% of total.

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

Table 11

Production of Hot Rolled Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	5 394	6 619	6 875	6 900	7 377	7 148	7 601	7 594	7 999	7 495
Belgium	7 172	9 649	10 012	8 917	8 293	8 392	8 938	8 735	9 292	10 260
Bulgaria	947	896	1 115	818	875	935	840	921	911	1 131
Croatia	76	81	69	15	16	17	16	17	15	13
Czech Republic	3 955	4 625	4 616	4 276	4 416	4 375	4 459	4 657	4 053	4 458
Denmark (e)	313	470	540	360	480	490	575	615	590	655 e
Germany	29 990	38 103	39 286	37 843	37 687	37 713	37 562	37 602	37 539	36 584
Finland (e)	2 537	3 380	3 380	3 355	3 195	3 440	3 560	3 660	3 700	3 770 e
France	3 336	3 388	3 486	13 529	14 716	15 464	14 994	14 319	15 103	14 738
Greece (e)	1 855	1 635	1 790	1 155	985	965	875	1 020	1 140	1 200 e
Hungary	1 452	1 594	1 765	1 928	1 936	1 823	1 714	1 593	1 972	2 086
Italy	20 743	25 359	27 978	26 309	23 553	23 150	21 730	23 205	23 227	23 533
Latvia (e)	692	650	570	810	814	150	200			
Luxembourg	2 418	2 737	2 220	2 136	2 015	2 124	2 034	2 056	2 055	2 166
Netherlands	4 997	6 274	6 401	6 418	6 370	6 657	6 814	6 465	6 589	6 971
Poland	6 358	7 050	7 844	7 789	7 514	7 650	7 953	8 229	9 039	9 105
Portugal (e)	1 483	1 330	1 765	1 870	1 910	1 860	1 835	1 750	1 700	1 900 e
Romania (e)	2 862	3 580	3 860	3 080	2 750	2 945	3 200	3 120	3 100	3 200 e
Slovak Republic (e)	3 395	3 726	3 468	3 600	3 660	4 607	4 300	4 300	4 350	4 380 e
Slovenia (e)	355	492	530	580	555	555	555	570	605	610 e
Spain	14 406	15 511	15 251	13 166	12 954	13 529	13 781	13 181	13 589	13 777 e
Sweden (e)	2 956	4 100	4 125	3 420	3 500	3 800	3 950	4 120	4 200	4 020 e
United Kingdom	7 135	8 415	7 993	7 054	8 053	8 148	7 988	6 680	6 330	6 529
European Union (28)	124 826	149 663	154 939	155 329	153 625	155 935	155 472	154 410	157 097	158 583
Albania (e)	280	236	295	355	480	435	475	100		
Bosnia-Herzegovina	435	475	548	565	592	605	650	690	690	685
Montenegro (e)	120	120	125	110	65	135	140	100	100	100 e
Norway (e)	470	405	450	465	450	475	480	500	460	465 e
Serbia	950	1 120	1 180	340	390	550	860	1 050	1 310	1 690 e
Turkey (e)	25 133	26 300	31 943	34 286	36 405	36 093	36 939	36 882	39 154	39 510 e
Other Europe	27 388	28 655	34 541	36 121	38 382	38 294	39 544	39 321	41 714	42 450
Byelorussia	2 296	1 567	1 685	1 898	1 818	1 855	1 878	1 878	1 891	2 009
Kazakhstan	3 098	3 033	3 355	2 689	2 803	3 173	3 474	3 669	4 261	3 818
Moldova	441	231	307	360	180	333	421	120	446	472 e
Russia	50 840	42 959	45 351	46 653	46 966	48 653	48 106	48 079	48 640	49 201
Ukraine	14 900	17 799	19 807	18 577	17 594	14 942	12 370	13 147	12 781	18 361
Uzbekistan	700	700	720	725	735	785	850	860	850	850 e
C.I.S.	72 275	66 289	71 224	70 902	70 096	69 741	67 099	67 753	68 869	74 711
Canada	8 685	12 365	12 080	12 321	12 192	11 984	11 954	11 977	11 860	13 718
Costa Rica	280	287	308	372	447	460	474	382	378	393
Cuba	120	108	118	126	150	105	126	130	114	117
Dominican Republic	268	273	272	395	406	516	425	385	471	523
El Salvador	69	78	97	78	81	83	85	97	90	92
Guatemala	288	345	376	449	557	574	591	474	454	463
Mexico	12 994	14 809	15 793	16 269	16 357	17 742	17 573	18 697	18 694	18 872
Trinidad and Tobago	238	361	427	398	297	300	413	25		
United States	56 396	75 699	83 339	87 043	86 567	89 130	78 514	78 502	82 451	86 436
North America	79 338	104 325	112 811	117 452	117 053	120 894	110 156	110 668	114 512	120 614

Table 11
(continued)

Production of Hot Rolled Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Argentina	3 749	5 046	5 386	4 952	5 144	5 021	4 572	3 984	4 595	4 763
Brazil	20 223	25 401	25 240	25 696	26 263	24 916	31 789	30 555	32 670	33 611
Chile	1 279	1 473	1 514	1 594	1 289	1 017	1 035	1 081	1 062	1 131
Colombia	1 466	1 621	1 780	1 726	1 651	1 795	1 860	1 772	1 895	1 647
Ecuador	442	546	489	559	691	707	761	682	710	738
Paraguay	42	44	27	22	23	23	24	19	21	22
Peru	871	1 046	913	1 205	1 358	1 434	1 335	1 417	1 517	1 505
Uruguay	55	59	72	74	76	79	81	75	66	68
Venezuela	3 204	2 054	2 658	2 065	1 948	1 357	1 261	530	404	131
South America	31 329	37 291	38 077	37 893	38 442	36 349	42 717	40 115	42 941	43 619
Algeria (e)	510	560	470	470	400	520	1 050	1 100	1 950	2 850 e
Egypt	6 352	7 939	6 588	7 265	7 438	8 137	7 676	8 001	8 059	9 598
Libya (e)	1 370	945	65	310	690	650	440	430	410	650 e
Morocco (e)	963	1 035	1 090	855	1 035	970	1 200	1 200	950	1 000 e
South Africa (e)	5 550	5 820	5 850	5 400	5 800	5 583	5 700	5 450	5 600	5 650 e
Tunisia (e)	400	500	395	370	440	440	490	400	500	500 e
Africa	15 145	16 799	14 458	14 670	15 803	16 300	16 556	16 581	17 469	20 248
Iran	9 880	15 395	16 813	17 261	16 656	16 482	15 133	15 473	15 920	17 212
Qatar	1 468	1 550	1 580	1 650	1 696	1 709	1 784	1 894	1 745	1 847
Saudi Arabia (e)	4 130	4 420	4 650	4 600	4 900	5 000	5 500	5 000	4 500	5 000 e
United Arab Emirates	1 170	1 580	1 950	2 156	2 549	2 765	2 959	3 126	3 246	3 167
Middle East	16 648	22 945	24 993	25 666	25 801	25 956	25 376	25 494	25 410	27 225
China (3)	693 405	802 014	885 195	950 641	1 086 926	1 125 131	1 034 684	1 048 135	1 046 421	1 105 517
China (4)	578 836	655 160	717 670	768 026	859 521	872 637	849 485	814 556	814 085	855 403 e
India (5)	59 355	66 120	74 521	80 198	85 277	92 470	89 927	99 312	119 892	100 574
Indonesia	5 092	5 212	5 448	5 418	5 116	6 475	6 168	6 552	7 866	10 045
Japan	76 686	97 765	94 832	94 807	96 965	97 882	93 020	92 636	92 441	92 440
South Korea	51 057	59 031	66 473	66 317	64 541	68 905	67 756	67 131	69 557	69 785
Malaysia	5 103	4 967	5 111	4 954	4 980	4 759	4 226	3 782	3 772	3 801
Philippines	1 977	2 133	2 420	2 653	3 020	3 273	4 013	4 346	4 300	4 864
Singapore	689	716	750	705	429	540	501	528	596	584
Taiwan, China	18 385	23 493	24 578	24 277	24 845	25 472	25 019	26 639	27 664	28 513
Thailand	6 955	7 483	6 936	6 721	7 070	8 710	3 841	9 542	9 318	9 032
Viet Nam	4 723	5 659	5 470	5 049	5 123	5 657	7 199	8 657	11 302	14 532
Asia	808 857	927 737	1 004 209	1 059 125	1 156 888	1 186 779	1 151 154	1 133 682	1 160 793	1 189 573
Australia	4 789	6 327	6 082	5 078	4 400	4 092	4 307	4 693	4 606	4 680
New Zealand (e)	710	810	800	845	830	780	735	650	740	735 e
Oceania	5 499	7 137	6 882	5 923	5 230	4 872	5 042	5 343	5 346	5 415
World	1 181 305	1 360 842	1 462 135	1 523 082	1 621 320	1 655 119	1 613 115	1 593 366	1 634 152	1 682 437

(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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	1 164	1 405	1 413	1 406	1 487	1 410	1 596	1 552	1 614	1 617
Belgium	845	845	962	872	796	792	798	594	665	730
Bulgaria	644	612	814	543	681	662	627	739	647	858
Croatia	76	81	69	15	16	17	16	17	15	13
Czech Republic	2 652	2 995	2 978	2 964	3 064	3 064	3 164	3 264	2 920	3 141
Denmark (1)	105	90	120	75	80	80	100	100	110	125 e
Germany	10 229	11 918	12 742	12 825	12 783	12 414	12 724	12 382	12 885	12 520
Finland (1)	427	535	535	535	510	550	565	580	600	600 e
France	908	1 036	1 058	4 307	4 447	4 616	4 426	4 133	4 102	4 024
Greece (1)	1 855	1 635	1 790	1 155	985	965	875	1 020	1 140	1 200 e
Hungary	127	78	101	48	133	167	134	223	285	316
Italy	11 179	12 161	12 888	11 815	11 454	11 311	11 194	11 649	11 917	12 404
Latvia (1)	692	650	570	810	814	150	200	30	5	
Luxembourg	2 418	2 737	2 220	2 136	2 015	2 124	2 034	2 056	2 055	2 166
Netherlands	112	216	204	165	170	178	163	165	169	168
Poland	4 083	4 544	5 042	4 689	4 457	4 708	4 943	5 254	5 462	5 428
Portugal (1)	1 483	1 330	1 765	1 870	1 910	1 860	1 835	1 750	1 700	1 900 e
Romania (1)	870	815	885	945	845	925	1 015	990	1 000	1 100 e
Slovenia (2)	92	159	190	195	190	190	190	195	205	205 e
Spain	10 297	10 151	10 170	9 365	8 613	8 924	9 052	8 742	8 789	8 904
Sweden (1)	346	775	785	650	665	720	750	785	800	765 e
United Kingdom	3 131	3 611	3 341	3 000	3 040	3 096	3 270	2 937	2 523	2 743
European Union (28)	53 735	58 381	60 641	60 388	59 155	58 924	59 670	59 158	59 608	60 928
Albania (e)	280	236	295	355	480	435	475	100		
Bosnia-Herzegovina	435	475	548	565	592	605	650	690	690	685
Montenegro (e)	120	120	125	110	65	135	140	100	100	100 e
Norway (e)	470	405	450	465	450	475	480	500	460	465 e
Turkey (e)	20 712	19 671	22 868	25 247	26 536	25 717	26 550	26 012	26 193	24 280 e
Other Europe	22 017	20 906	24 286	26 742	28 123	27 368	28 295	27 402	27 443	25 530
Byelorussia	2 296	1 471	1 567	1 774	1 689	1 734	1 766	1 794	1 752	1 873
Kazakhstan	70	48	87	290	352	558	750	670	843	823
Moldova	441	231	307	360	180	333	421	120	446	472 e
Russia	18 500	15 326	16 842	17 435	17 725	18 387	17 106	17 567	17 285	17 642
Ukraine	9 340	7 825	8 169	8 204	7 953	6 449	5 640	5 918	5 529	4 518
Uzbekistan	700	700	720	725	735	785	850	860	850	850 e
C.I.S.	31 347	25 602	27 691	28 787	28 634	28 246	26 533	26 929	26 705	26 178
Canada	2 082	2 281	2 453	2 870	2 463	1 808	2 864	2 988	2 771	3 111
Costa Rica	280	287	308	372	447	460	474	382	378	393
Cuba	120	108	118	126	150	105	126	130	114	117
Dominican Republic	251	273	272	395	406	516	425	385	417	462
El Salvador	69	78	97	78	81	83	85	97	90	92
Guatemala	288	345	376	449	557	574	591	474	454	463
Mexico	6 468	6 762	7 415	7 763	7 745	8 084	8 301	8 742	8 731	8 697
Trinidad and Tobago	238	361	427	398	297	300	413	25		
United States	16 081	20 346	21 358	23 306	23 188	24 150	21 489	20 978	21 391	23 955
North America	25 877	30 841	32 824	35 757	35 334	36 079	34 769	34 200	34 347	37 290
Argentina	1 260	1 611	1 795	1 755	1 841	1 725	1 656	1 333	1 601	1 804
Brazil	8 024	9 755	10 491	10 207	10 621	10 030	9 283	8 848	9 003	9 439
Chile	845	1 037	1 080	1 186	1 100	1 017	1 035	1 081	1 062	1 131
Colombia	1 066	1 186	1 351	1 291	1 297	1 394	1 420	1 326	1 414	1 248
Ecuador	442	546	489	559	691	707	761	682	710	738
Paraguay	42	44	27	22	23	23	24	19	21	22
Peru	860	1 032	885	1 152	1 304	1 393	1 291	1 360	1 462	1 448
Uruguay	55	59	72	74	76	79	81	75	66	68
Venezuela	1 436	968	1 220	1 108	1 030	726	504	305	158	128
South America	14 029	16 238	17 411	17 353	17 982	17 095	16 055	15 029	15 497	16 028

Table 12
(continued)

Production of Hot Rolled Long Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Algeria (e)	220	240	200	200	160	250	660	550	700	850 e
Egypt	5 200	6 302	5 426	6 229	6 372	7 288	6 986	6 975	6 882	8 161
Libya (e)	960	550	40	180	350	350	240	210	210	350 e
Morocco (e)	963	1 035	1 090	855	1 035	970	1 305	1 315	950	1 000 e
South Africa (1)	2 240	2 350	2 360	2 200	2 300	2 200	2 300	2 200	2 250	2 250 e
Tunisia (e)	400	500	395	370	440	440	490	400	500	500 e
Africa	9 983	10 977	9 511	10 034	10 657	11 498	11 981	11 650	11 492	13 111
Iran	5 136	8 460	8 988	8 785	8 406	8 206	7 261	7 662	8 104	9 162
Qatar	1 468	1 550	1 580	1 650	1 696	1 709	1 784	1 894	1 745	1 847
Saudi Arabia (e)	2 470	2 630	2 750	2 700	2 900	3 000	3 500	3 000	2 500	2 700 e
United Arab Emirates	1 170	1 580	1 950	2 156	2 549	2 765	2 959	3 126	3 246	3 167
Middle East	10 243	14 220	15 268	15 291	15 552	15 680	15 503	15 682	15 595	16 876
China	335 361	368 365	417 284	458 400	517 973	523 880	498 648	457 407	460 875	496 322 e
India	28 268	31 708	31 452	35 179	38 255	43 581	44 330	46 204	47 298	51 500 e
Indonesia	2 663	2 804	2 819	2 716	2 718	2 885	3 196	3 031	3 592	4 672
Japan	23 438	28 405	29 309	28 924	30 301	30 428	28 842	28 243	29 023	29 317
South Korea	18 705	18 416	19 658	19 767	20 060	20 318	20 228	20 383	21 644	21 803
Malaysia	3 694	3 601	3 591	3 769	3 730	3 892	3 340	3 484	3 565	3 596
Philippines	1 875	2 133	2 420	2 653	3 020	3 273	4 013	4 346	4 300	4 864
Singapore	689	716	750	705	429	540	501	528	596	584
Taiwan, China	7 961	10 457	11 423	10 535	10 628	11 157	10 347	9 754	9 611	10 321
Thailand	3 604	3 663	3 653	3 763	4 093	5 585	1 133	6 593	6 101	5 658
Viet Nam	4 723	5 659	5 470	5 049	5 123	5 657	7 199	8 657	9 924	11 093
Asia	430 980	475 926	527 829	571 460	636 329	651 195	621 778	588 631	596 528	639 731
Australia	1 768	1 927	2 023	2 017	1 850	1 679	1 679	1 954	1 603	1 603
New Zealand (e)	116	116	116	143	144	132	120	120	120	120 e
Oceania	1 884	2 043	2 139	2 160	1 994	1 811	1 799	2 074	1 723	1 723
World	600 095	655 134	717 601	767 971	833 761	847 897	816 383	780 755	788 938	837 395

(1) - estimated 2010-18.

(2) - estimated 2012-18.

Table 13

Production of Hot Rolled Flat Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	3 895	4 842	4 967	5 026	5 422	5 270	5 623	5 680	5 888	5 383
Belgium	6 327	8 804	9 050	8 044	7 498	7 600	8 140	8 141	8 626	9 530
Bulgaria	303	284	301	275	194	273	213	182	264	273
Czech Republic	1 051	1 281	1 254	945	996	914	985	1 118	870	1 016
Denmark (1)	208	380	420	285	400	410	475	515	480	530 e
Germany	18 812	24 909	25 191	23 670	23 598	24 035	23 827	24 175	24 655	24 065
Finland (1)	2 109	2 845	2 845	2 820	2 685	2 890	2 995	3 080	3 100	3 170 e
France	2 314	2 199	2 221	9 222	10 269	10 848	10 568	10 186	11 001	10 714
Hungary	1 324	1 516	1 664	1 880	1 803	1 656	1 580	1 370	1 687	1 770
Italy	9 084	12 610	14 418	14 494	12 099	11 839	10 536	11 555	11 310	11 129
Netherlands	4 885	6 058	6 197	6 253	6 200	6 478	6 651	6 300	6 421	6 803
Poland	2 131	2 349	2 635	2 929	2 908	2 805	2 888	2 859	3 448	3 541
Romania (1)	1 674	2 325	2 535	1 755	1 565	1 720	1 885	1 840	1 800	2 100 e
Slovak Republic (1)	3 275	3 570	3 300	3 430	3 510	4 457	4 150	4 150	4 200	4 230
Slovenia (2)	263	333	340	385	365	365	365	375	400	405 e
Spain	3 952	5 108	4 805	3 801	4 341	4 605	4 728	4 438	4 800	4 873
Sweden (1)	2 539	3 220	3 230	2 670	2 735	2 980	3 100	3 235	3 300	3 155 e
United Kingdom	4 004	4 803	4 652	4 054	5 013	5 052	4 718	3 743	3 806	3 787
European Union (28)	68 151	87 436	90 025	91 939	91 601	94 196	93 427	92 942	96 056	96 475
Kazakhstan	2 953	2 857	3 119	2 299	2 295	2 439	2 541	2 806	3 159	2 705
Russia	29 700	24 975	25 591	26 066	26 140	26 898	27 590	27 274	27 763	27 876
Ukraine	4 750	9 193	10 762	9 486	8 929	7 868	6 314	6 845	6 716	5 976
C.I.S.	37 403	37 024	39 473	37 851	37 364	37 205	36 445	36 925	37 638	36 557
Canada	6 193	8 358	8 614	8 901	9 078	9 882	8 983	8 935	8 996	10 507
Mexico	5 938	7 368	7 602	7 617	7 627	8 594	8 533	9 154	9 023	9 200
United States	39 514	54 426	61 171	62 787	62 407	63 866	56 335	57 090	60 402	61 772
North America	51 645	70 152	77 387	79 306	79 112	82 342	73 851	75 179	78 422	81 480
Argentina	1 986	2 656	2 742	2 349	2 611	2 546	2 370	2 274	2 374	2 271
Brazil	11 852	15 163	14 265	14 897	15 013	14 229	13 388	12 273	13 687	14 255
Chile	434	436	433	408	189	0				
Colombia	400	436	429	435	354	401	440	447	482	399
Peru	11	14	28	53	54	40	44	57	55	57
Venezuela	1 764	1 086	1 438	957	918	630	756	225	246	3
South America	16 447	19 791	19 334	19 099	19 139	17 847	16 999	15 277	16 843	16 986
Egypt	1 152	1 637	1 162	1 036	1 066	849	689	1 026	1 177	1 436
South Africa (1)	3 310	3 470	3 490	3 200	3 500	3 380	3 400	3 250	3 350	3 400 e
Africa	4 462	5 107	4 652	4 236	4 566	4 229	4 089	4 276	4 527	4 836
Iran	4 744	6 935	7 824	8 476	8 250	8 276	7 872	7 811	7 815	8 050
Middle East	4 744	6 935	7 824	8 476	8 250	8 276	7 872	7 811	7 815	8 050
China	221 685	262 621	276 636	285 545	311 564	317 387	322 260	329 796	327 095	334 252 e
India	28 172	30 026	32 769	39 676	47 023	48 889	45 596	53 109	72 594	79 000 e
Indonesia	2 430	2 407	2 629	2 701	2 398	3 590	2 972	3 521	4 274	5 339
Japan	51 822	67 348	64 188	63 759	64 638	65 395	62 690	62 984	61 858	61 450
South Korea	32 352	40 615	46 815	46 551	44 482	48 587	47 528	46 748	47 914	47 982
Malaysia	1 409	1 366	1 520	1 185	1 250	867	887	297	207	205
Philippines	102									
Taiwan, China	10 424	13 036	13 154	13 742	13 591	14 315	14 671	16 884	18 052	18 193
Thailand	3 351	3 820	3 283	2 958	2 978	3 124	2 708	2 949	3 216	3 374
Asia	351 747	421 240	440 995	456 117	487 922	502 154	499 312	516 288	535 210	549 794
Australia	3 021	4 399	4 059	3 364	2 549	2 413	2 628	2 739	3 003	3 077
New Zealand (e)	590	690	680	695	686	650	615	530	620	615 e
Oceania	3 611	5 089	4 739	4 059	3 235	3 063	3 243	3 269	3 623	3 692
World	538 210	652 774	684 429	701 083	731 189	749 312	735 238	751 966	780 134	797 870

(1) - estimated 2010-18.

(2) - estimated 2012-18.

Table 14

Production of Railway Track Material

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	421	516	493	541	541	502	606	552	543	559
Czech Republic	253	281	290	287	290	314	306	240	202	284
Germany	241	274	145	264	268	7	11	8	...	...
France	311	275	270	256	290	338	373	330	319	295
Italy	258	329	298	...	...	...	...	...	...	...
Luxembourg	46	42	47	44	44	47	48	50	51	45
Poland	171	258	278	158	171	309	357	349	379	397
Spain	295	235	175	178	217	276	290	180	228	252
United Kingdom	177	161	192	176	214	245	279	195	153	170
European Union (28)	2 174	2 372	2 188	1 904	2 035	2 037	2 270	1 905	1 875	2 001
Russia	...	924	924	693	882	858	789	1 237	1 289	1 203
Ukraine	...	224	299	349	315	109	41	73	80	66
C.I.S.	...	1 148	1 223	1 042	1 197	967	830	1 310	1 369	1 269
Canada	...	...	...	399	...	...	...	...	...	...
United States	902	902	1 034	1 010	1 087	1 178	1 171	851	993	1 074
North America	902	902	1 034	1 409	1 087	1 178	1 171	851	993	1 074
China	6 005	5 645	4 429	5 161	6 053	5 654	4 838	4 576	5 170	5 280
India	1 132	1 040	902	993	891	850	874	1 021	1 257	...
Japan	557	630	553	527	617	837	813	761	647	646
South Korea	201	104	97	66	67	65	70	72	65	52
Taiwan, China	4	4	5	6	5	5	4	3	4	4
Asia	7 900	7 423	5 986	6 753	7 633	7 412	6 599	6 433	7 142	5 981
Australia	105	124	223	166	108	89	89	89	...	...
Oceania	105	124	223	166	108	89	89	89	...	...
World	11 080	11 969	10 653	11 273	12 060	11 682	10 958	10 587	11 380	10 326

Table 15

Production of Heavy Sections (≥80mm)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Belgium	97	70	57	...	...	...	...	...	...	...
Czech Republic	366	426	360	283	275	330	341	368	292	303
Germany	1 637	1 936	2 082	2 332	2 115	2 087	1 998	1 939	...	...
Italy	900	850	912	883	836	796	705	786	708	742
Luxembourg	1 447	1 807	1 853	2 007	1 882	1 984	1 909	1 932	1 895	2 000
Poland	1 086	1 243	1 371	1 431	1 243	1 250	1 267	1 360	1 384	1 421
Romania	84	122	...	...	...	...	...	...	...	...
Spain	2 180	2 790	2 950	2 605	2 477	2 272	2 556	2 626	2 753	2 729
United Kingdom	574	656	501	451	487	546	676	852	736	752
European Union (28)	8 372	9 901	10 085	9 992	9 315	9 265	9 453	9 864	7 768	7 947
Kazakhstan	0	7	...	...	...	...	...	...	6	8
Russia	...	1 502	1 736	1 774	1 693	1 739	1 601	1 589	1 522	1 463
Ukraine	...	842	987	944	983	731	605	596	521	497
C.I.S.	0	2 351	2 723	2 718	2 676	2 470	2 206	2 185	2 049	1 968
Canada	147	173	183	199	263	183	192	207	205	...
Costa Rica	2	...	...	...	...	...	...	...	...	...
Mexico	326	360	370	465	455	583	652	866	872	905
United States	3 763	4 701	5 184	5 031	5 577	5 571	5 299	5 717	5 434	6 079
North America	4 237	5 234	5 737	5 695	6 295	6 337	6 143	6 790	6 511	6 984
Argentina	...	19	25	53	50	49	113	...	...	...
Brazil	428	568	735	788	819	715	635	...	...	...
Colombia	6	9	4	1	3	2	1	...	...	...
Peru	1	1	6	4	3	...	3	...	...	...
Venezuela	76	59	66	71	69	45	...	...	...	...
South America	511	655	836	917	944	811	753	...	...	...
Iran	1 846	2 230	2 223	2 087	1 948	1 788	1 286	974	966	1 078
Middle East	1 846	2 230	2 223	2 087	1 948	1 788	1 286	974	966	1 078
China	9 643	9 771	11 099	11 630	13 242	13 495	14 357	15 494	14 607	16 165
India	5 260	5 659	4 757	5 091	6 604	7 157	7 558	7 818	7 470	...
Japan	4 777	5 209	5 474	5 771	6 265	6 073	5 782	5 643	5 760	5 875
South Korea	3 842	3 830	4 255	4 380	4 248	4 218	4 140	4 045	4 165	4 330
Asia	23 521	24 468	25 585	26 872	30 359	30 943	31 837	33 000	32 002	26 370
World	38 487	44 839	47 189	48 282	51 538	51 614	51 677	52 813	49 295	44 347

Table 16

Production of Light Sections (<80mm)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Czech Republic	100	146	115	132	143	148	159	133	91	121
Germany	271	436	373	120	122	127	130	110	...	...
Romania	116	210	...	...	...	...	...	...	...	...
European Union (28)	487	792	488	252	265	275	289	243	91	121
Kazakhstan	1	...	...	4	20	...	...	...	5	8
Russia	...	1 460	1 642	1 601	1 550	1 484	1 172	1 207	1 239	1 300
Ukraine	...	839	902	1 022	778	560	500	435	470	229
C.I.S.	1	2 299	2 544	2 626	2 348	2 044	1 672	1 642	1 714	1 537
Canada	109	135	153	144	121	131	129	144	136	...
Mexico	372	400	367	333	393	412	498	456	511	413
United States	1 087	1 763	1 872	2 125	1 765	1 870	1 767	1 835	1 815	1 820
North America	1 568	2 298	2 392	2 602	2 279	2 414	2 395	2 435	2 462	2 232
Argentina	107	209	295	180	191	184	144	...	...	...
Brazil	292	422	439	421	402	412	340	...	...	...
Chile	61	71	74	81	...	70	71	...	...	...
Colombia	103	113	110	89	72	85	74	...	...	...
Ecuador	34	43	38	43	53	54	58	...	...	...
Peru	56	129	44	81	100	85	99	...	...	...
Uruguay	3	3	3	3	...	...	...	...	...	...
Venezuela	43	36	32	37	36	27	...	...	...	...
South America	698	1 026	1 034	935	854	917	786	...	...	...
Iran	31	620	721	864	664	663	664	345	787	779
Middle East	31	620	721	864	664	663	664	345	787	779
China	36 965	39 661	41 407	42 710	56 935	56 200	56 604	47 746	46 048	48 299
Japan	893	1 016	1 078	1 064	1 112	1 128	1 060	1 008	1 058	1 021
South Korea	394	419	442	389	361	381	296	275	227	325
Asia	38 252	41 096	42 927	44 163	58 408	57 709	57 960	49 029	47 333	49 644
World	41 036	48 131	50 106	51 442	64 817	64 022	63 765	53 693	52 387	54 314

Table 17

Production of Concrete Reinforcing Bars

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	322	265	298	305	319	289	294	290	274	271
Bulgaria	285	...	383	490	589	584	545	721	709	980
Croatia	76	81	69	15	16	17	24	...	15	13
Czech Republic	352	177	189	173	130	134	144	178	92	111
Germany	1 923	1 721	1 771	1 934	1 945	1 868	1 996	1 889	...	...
France	792	729	852	942	850	884	882	846	842	801
Greece	1 508	...	...	...	...	...	...	...	...	...
Hungary	96	65	96	47	133	167	131	222	285	316
Italy	3 968	3 315	3 571	3 511	3 268	3 223	3 048	3 179	2 834	2 837
Latvia	668	...	...	...	...	...	...	...	...	...
Luxembourg	396	364	215	24	32	25	4	...	...	...
Poland	1 485	1 476	1 623	1 368	1 358	1 384	1 389	1 626	1 777	1 731
Portugal	1 019	...	...	...	...	...	...	...	...	...
Romania	482	553	...	...	...	...	...	...	...	...
Spain	3 796	2 729	2 355	2 220	1 928	1 988	1 841	1 677	1 425	1 405
United Kingdom	468	441	346	354	300	312	308	379	326	295
European Union (28)	17 637	11 917	11 770	11 383	10 869	10 874	10 606	11 008	8 579	8 760
Albania	225	236	295	320	350	...	...	...	...	...
Bosnia-Herzegovina	167	211	227	234	259	268	297	310	277	294
Other Europe	392	447	522	554	609	268	297	310	277	294
Byelorussia	...	960	1 037	1 060	1 015	1 018	958	874	663	821
Kazakhstan	69	41	87	286	332	558	750	566	691	634
Russia	...	5 227	6 313	7 251	7 915	9 058	8 452	7 672	7 247	7 344
Ukraine	...	3 085	2 938	3 270	3 639	3 193	2 778	2 990	2 842	2 407
C.I.S.	69	9 313	10 374	11 868	12 901	13 826	12 938	12 102	11 443	11 206
Canada	541	544	487	554	560	410	532	553	446	...
Costa Rica	278	287	308	372	447	460	474	382	378	393
Cuba	120	108	118	126	150	105	126	130	114	117
Dominican Republic	228	273	252	395	406	516	425	385	471	523
El Salvador	69	78	97	78	81	83	85	97	90	92
Guatemala	260	315	345	420	557	574	591	474	454	463
Mexico	3 161	3 161	3 422	3 608	3 735	3 770	4 061	4 149	3 930	4 099
United States	4 615	5 740	5 060	5 653	6 556	6 997	5 837	6 024	6 389	7 093
North America	9 272	10 506	10 090	11 207	12 492	12 915	12 132	12 194	12 272	12 780
Argentina	455	600	1 005	787	806	589	565	...	...	...
Brazil	3 337	3 763	4 376	4 461	4 493	4 252	3 697	3 398	3 144	3 430
Chile	420	541	563	618	585	530	540	...	...	...
Colombia	789	858	1 045	1 016	987	1 092	1 146	...	...	...
Ecuador	379	446	399	479	593	607	653	682	710	738
Paraguay	31	32	19	16	23	23	24	19	21	22
Peru	199	256	555	475	603	786	597	...	...	...
Uruguay	36	38	47	48	76	79	81	75	66	68
Venezuela	767	250	619	628	609	408	400	...	...	...
South America	6 413	6 783	8 629	8 528	8 775	8 367	7 703	4 174	3 942	4 259

Table 17
(continued)

Production of Concrete Reinforcing Bars

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Egypt	4 285	5 437	4 556	5 116	5 153	6 258	6 114	6 239	5 962	7 022
Morocco	843	...	...	...	...	...	...	...	...	...
Tunisia	98	...	...	...	...	...	...	...	...	...
Africa	5 226	5 437	4 556	5 116	5 153	6 258	6 114	6 239	5 962	7 022
Iran	3 259	5 610	6 044	5 834	5 794	...	5 311	6 343	6 351	7 305
Qatar	1 468	...	...	1 650	1 696	1 709	1 784	1 894	1 745	1 847
United Arab Emirates	...	...	...	1 586	1 662	1 833	1 988	2 068	2 179	2 070
Middle East	4 727	5 610	6 044	9 070	9 153	3 542	9 083	10 305	10 275	11 222
China	130 741	141 378	166 404	192 414	212 271	215 278	204 306	190 514	198 988	209 610
Japan	7 855	...	...	...	...	...	...	...	...	...
South Korea	9 678	8 771	8 810	9 077	9 151	9 367	9 800	10 341	11 296	10 621
Asia	148 273	150 149	175 214	201 491	221 422	224 644	214 106	200 854	210 284	220 230
World	192 008	200 163	227 199	259 217	281 373	280 695	272 978	257 186	263 034	275 775

Table 18

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria (1)	72	110	113	119	124	129	144	145	220	228
Belgium (1)	25	14	27	...	...	...	...	...	...	...
Bulgaria	88	...	111	77	74	110	57	...	49	73
Czech Republic	587	793	793	762	770	772	706	744	719	730
Denmark (1)	105	...	...	...	...	...	...	...	...	...
Germany	998	1 736	2 077	2 152	2 328	2 440	2 368	2 433	...	...
Finland (1)	171	...	...	...	...	...	...	...	...	...
France (1)	812	1 117	1 320	1 165	1 243	1 330	1 197	1 102	1 139	1 056
Italy (1)	2 535	3 726	4 215	3 477	3 501	3 548	3 428	3 403	3 807	3 936
Luxembourg (1)	169	144	105	61	57	68	73	75	71	121
Poland (1)	344	455	598	600	631	704	772	716	718	731
Romania	52	115	...	...	...	...	...	...	...	...
Slovenia (1)	92	159	...	...	...	...	...	...	...	...
Spain (1)	1 238	1 614	1 738	1 548	1 559	1 653	1 699	1 644	1 548	1 583
Sweden (1)	296	...	...	...	...	...	...	...	...	...
United Kingdom (1)	801	1 128	1 224	1 040	1 023	1 026	940	633	604	710
European Union (28)	8 384	11 110	12 321	11 001	11 309	11 781	11 384	10 896	8 876	9 168
Byelorussia	...	...	...	154	131	153	142	232	231	217
Russia	...	3 631	3 550	3 354	2 970	2 595	2 481	3 012	2 917	3 203
Ukraine	...	581	865	714	459	329	291	285	274	209
C.I.S.	...	4 212	4 415	4 222	3 560	3 077	2 914	3 529	3 422	3 629
Canada (2)	666	829	970	914	875	703	1 102	1 074	1 030	...
Guatemala	28	30	30	30	...	...	...	...	...	...
Mexico	425	540	691	847	788	915	746	714	873	831
United States (2)	3 099	4 079	4 511	5 193	4 385	4 830	4 177	3 733	3 674	4 244
North America	4 218	5 477	6 202	6 984	6 048	6 449	6 025	5 521	5 578	5 074
Argentina	278	492	330	172	254	372	292	...	...	...
Brazil	1 168	1 812	1 814	1 585	1 694	1 511	1 250	1 124	1 217	1 293
Chile	221	264	275	301	403	258	263	...	...	...
Colombia	25	28	27	22	51	42	43	...	...	...
Peru	493	516	175	470	462	435	458	...	...	...
Uruguay	17	18	22	22	...	...	...	...	...	...
Venezuela	48	343	53	46	56	55	...	...	...	...
South America	2 248	3 472	2 697	2 618	2 921	2 674	2 305	1 124	1 217	1 293
China	53 101	65 705	69 826	70 378	80 501	79 419	71 310	65 168	67 440	72 481
Indonesia (3)	1 397	1 412	1 414	1 474	1 605	1 603	1 738	1 673	1 869	2 953
Japan (3)	12 541	15 232	16 052	15 794	16 101	16 137	15 266	14 891	15 570	15 782
South Korea	1 961	2 558	3 289	3 147	3 246	2 976	2 679	2 399	2 500	2 932
Malaysia (3)	2 335	2 110	2 324	2 444	2 670	2 782	2 868	2 796	2 548	2 602
Philippines (3)	1 703	1 931	2 100	2 392	2 744	2 923	3 553	3 956	3 925	4 471
Singapore (3)	689	716	750	705	429	540	501	528	596	584
Taiwan, China (3)	4 592	5 608	6 368	6 262	6 270	6 565	6 168	5 408	5 251	5 805
Thailand (3)	2 846	2 819	2 731	2 950	3 498	5 012	457	5 925	5 184	4 681
Viet Nam (3)	3 495	4 666	4 428	3 975	4 100	4 582	5 930	7 086	7 277	8 140
Asia	84 659	102 757	109 283	109 520	121 164	122 538	110 471	109 830	112 160	120 430
Australia (3)	792	828	835	876	790	577	577	644	672	672
Oceania	792	828	835	876	790	577	577	644	672	672
World	100 303	127 856	135 752	135 221	145 792	147 097	133 676	131 543	131 925	140 267

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

(2) - deliveries.

Table 19

Production of Wire Rod

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	348	514	509	441	503	490	551	565	576	559
Belgium	723	761	879	872	796	792	798	594	665	...
Bulgaria	17	...	16	14	...	...	9	10	14	11
Czech Republic	994	1 173	1 232	1 326	1 456	1 365	1 508	1 599	1 520	1 593
Germany	5 160	5 814	6 295	6 023	6 005	5 885	6 222	6 003	...	...
Finland	256	...	...	...	...	...	...	...	...	...
France	1 473	1 768	1 839	1 944	2 064	2 063	1 974	1 855	1 802	1 873
Greece	347	...	...	...	...	...	...	...	...	...
Hungary	31	13	5	1	...	...	3	1	...	...
Italy	3 518	3 941	3 891	3 687	3 588	3 577	3 817	4 117	4 468	4 792
Latvia	24	...	...	...	...	...	...	...	...	...
Luxembourg	360	437	...	...	...	...	...	...	...	...
Netherlands	112	216	204	165	170	178	163	165	169	168
Poland	996	1 112	1 172	1 132	1 054	1 062	1 158	1 202	1 203	1 148
Portugal	464	...	...	...	...	...	...	...	...	...
Romania	136	294	...	...	...	...	...	...	...	...
Spain	2 787	2 784	2 952	2 814	2 433	2 735	2 667	2 614	2 835	2 947
Sweden	50	...	...	...	...	...	...	...	...	...
United Kingdom	1 110	1 225	1 077	979	1 016	967	1 067	879	704	815
European Union (28)	18 907	20 051	20 071	19 399	19 084	19 113	19 938	19 605	13 956	13 906
Bosnia-Herzegovina	267	264	321	331	333	337	353	380	413	390
Other Europe	267	264	321	331	333	337	353	380	413	390
Byelorussia	...	511	531	559	543	563	666	688	858	835
Russia	...	2 582	2 677	2 761	2 715	2 654	2 611	2 850	3 071	3 129
Ukraine	...	2 254	2 178	1 906	1 779	1 527	1 425	1 539	1 342	1 110
C.I.S.	...	5 348	5 386	5 227	5 037	4 744	4 702	5 077	5 271	5 074
Canada	620	600	660	660	644	380	909	1 011	954	...
Mexico	2 184	2 302	2 565	2 509	2 374	2 403	2 343	2 556	2 546	2 449
Trinidad and Tobago	238	361	427	398	297	300	413	...	...	...
United States	1 493	1 706	1 961	2 401	2 186	2 153	1 906	1 594	1 922	2 236
North America	4 536	4 969	5 613	5 967	5 501	5 236	5 572	5 162	5 421	4 685
Argentina	407	396	536	580	590	533	517	...	...	...
Brazil	2 799	3 190	3 126	2 953	3 213	3 140	2 974	3 104	3 221	3 201
Chile	143	162	168	185	111	158	161	...	...	...
Colombia	142	179	164	163	185	173	155	...	...	...
Ecuador	14	41	37	18	22	23	24	...	...	...
Paraguay	12	12	8	6	...	...	...	...	...	...
Peru	111	130	106	123	136	87	134	...	...	...
Venezuela	502	280	451	325	260	190	...	...	...	...
South America	4 131	4 390	4 597	4 353	4 516	4 304	3 966	3 104	3 221	3 201
Egypt	915	865	870	1 113	1 219	1 030	873	736	920	1 139
Morocco	120	...	...	...	...	...	...	...	...	...
Africa	1 035	865	870	1 113	1 219	1 030	873	736	920	1 139

Table 19
(continued)

Production of Wire Rod

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
China	98 907	106 206	124 118	136 109	148 972	153 834	147 233	133 909	128 622	144 488
Indonesia	800	922	932	809	672	628	661	595	804	824
Japan	4 551	6 254	6 086	5 769	6 205	6 253	5 921	5 941	5 988	5 993
South Korea	2 629	2 734	2 765	2 708	2 986	3 311	3 243	2 495	2 480	2 726
Malaysia	1 164	1 327	1 202	1 210	1 005	1 032	449	649	979	979
Taiwan, China	2 176	3 213	3 393	2 670	2 838	2 939	2 697	2 806	2 913	3 015
Thailand	758	844	921	813	613	574	677	669	917	977
Viet Nam	1 039	950	1 007	1 044	1 001	1 035	1 147	1 302	2 096	2 302
Asia	112 025	122 451	140 424	151 131	164 293	169 606	162 028	148 364	144 801	161 304
Australia	660	709	683	677	690	720	720	927	931	931
Oceania	660	709	683	677	690	720	720	927	931	931
World	141 560	159 046	177 965	188 198	200 673	205 090	198 150	183 354	174 933	190 630

Table 20

Production of Hot Rolled Plate (≥3mm)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	555	627	746	669	727	811	852	900	983	829
Belgium	402	532	585	568	510	562	543	575	549	...
Bulgaria	51	...	...	274	204	264	210	...	274	313
Czech Republic	503	687	730	563	530	431	432	376	439	499
Denmark	208	...	...	...	...	...	...	...	...	...
Germany	2 898	3 312	3 601	3 207	2 803	3 088	3 141	3 024	...	...
Finland	360	...	...	...	...	...	...	...	...	...
France	556	788	836	704	666	714	692	711	772	819
Hungary	74	...	...	...	...	...	...	...	...	...
Italy	2 339	2 637	2 750	2 606	1 999	2 180	1 732	1 840	1 788	1 735
Netherlands	17	19	16	17	16	19	19	14	16	15
Poland	585	513	541	689	625	451	382	361	519	431
Slovenia	88	158	...	...	...	...	...	...	...	...
Spain	355	313	360	378	498	504	546	516	531	544
Sweden	384	...	...	...	...	...	...	...	...	...
United Kingdom	746	879	949	889	845	813	715	433	490	550
European Union (28)	10 121	10 465	11 114	10 565	9 422	9 835	9 264	8 749	6 363	5 735
Kazakhstan	13	34	69	39	21	90	85	118	96	74
Russia	...	4 575	4 303	3 570	4 127	5 483	6 021	5 340	5 119	5 143
Ukraine	...	2 778	3 683	3 096	2 828	2 485	1 527	1 906	1 922	1 527
C.I.S.	13	7 387	8 054	6 706	6 976	8 058	7 633	7 364	7 137	6 744
Canada	282	419	461	451	408	397	387	319	334	...
Mexico	317	477	597	610	628	742	535	745	2 477	2 686
United States	4 103	5 658	6 374	6 172	6 328	6 550	5 583	5 449	5 546	5 760
North America	4 702	6 555	7 431	7 233	7 364	7 689	6 505	6 514	8 357	8 446
Argentina	223	516	407	371	...	...	...	...	...	...
Brazil	1 237	1 654	1 599	1 548	1 423	1 324	913	699	896	1 063
Venezuela	248	190	238	159	...	...	...	...	...	...
South America	1 708	2 361	2 244	2 079	1 423	1 324	913	699	896	1 063
Iran	...	65	322	585	615	774	798	669	725	637
Middle East	...	65	322	585	615	774	798	669	725	637
China	140 068	173 980	180 296	176 034	188 353	196 671	196 676	183 600	199 200	...
India	3 969	4 126	4 283	4 472	3 889	4 492	4 293	4 522	5 100	...
Indonesia	787	822	811	806	539	1 539	1 326	1 500	1 887	1 721
Japan	12 838	14 657	14 488	13 399	12 863	13 145	11 872	12 315	11 036	11 951
South Korea	7 566	9 524	11 342	10 226	8 939	10 122	10 040	9 502	8 986	9 393
Malaysia	187	166	197	152	143	144	180	220	207	205
Taiwan, China	1 000	1 272	1 312	1 195	1 127	1 139	1 051	1 086	1 026	1 142
Thailand	308	392	370	389	92	217	156	175	206	180
Asia	166 723	204 938	213 100	206 672	215 945	227 470	225 594	212 920	227 649	24 593
World	183 267	231 771	242 266	233 839	241 745	255 150	250 706	236 916	251 127	47 218

Table 21

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	3 340	4 216	4 221	4 357	4 696	4 459	4 771	4 780	4 904	4 555
Belgium	5 925	8 271	8 465	7 476	6 988	7 038	7 597	7 566	8 077	...
Bulgaria	190	...	...	...	...	...	...	...	...	...
Czech Republic	548	594	524	382	466	483	554	742	430	517
Germany	15 914	21 597	21 589	20 463	20 795	20 947	...	...	...	...
Finland	1 749	...	...	...	...	...	...	...	...	...
France	7 303	8 904	8 598	8 518	9 603	10 133	9 876	9 475	10 229	9 895
Hungary	1 250	1 167	1 263	1 480	1 512	1 373	1 284	1 135	1 408	1 770
Italy	6 745	9 973	11 669	11 888	10 100	9 659	8 804	9 715	9 522	9 394
Netherlands	4 868	6 039	6 181	6 236	6 183	6 460	6 632	6 287	6 404	6 788
Poland	1 547	1 836	2 094	2 240	2 283	2 354	2 506	2 497	2 929	3 110
Romania	593	710	...	...	...	...	...	...	...	...
Slovak Republic	3 275	...	...	...	...	...	...	...	...	...
Slovenia	175	175	...	...	...	...	...	...	...	...
Spain	3 598	4 795	4 445	3 423	3 842	4 102	4 183	3 922	4 269	4 329
Sweden	2 155	...	...	...	...	...	...	...	...	...
United Kingdom	3 258	3 924	3 703	3 165	4 168	4 239	4 003	3 310	3 316	3 237
European Union (28)	62 432	72 201	72 752	69 627	70 636	71 247	50 208	49 429	51 490	43 595
Kazakhstan	1 283	1 162	1 410	1 039	1 146	1 142	1 187	1 324	1 551	1 343
Russia	...	12 695	13 548	14 364	13 317	12 598	13 074	13 785	13 714	13 357
Ukraine	...	5 054	5 387	4 741	4 464	3 926	3 470	3 386	3 154	3 122
C.I.S.	1 283	18 912	20 345	20 145	18 927	17 667	17 731	18 495	18 419	17 822
Canada	3 533	5 228	5 364	5 234	5 325	5 896	5 234	5 164	5 648	...
Mexico	4 942	5 823	5 758	5 725	5 957	6 523	6 696	7 044	6 801	...
United States	12 179	16 602	19 715	19 495	19 598	20 668	18 702	19 236	20 378	19 968
North America	20 654	27 653	30 836	30 454	30 880	33 087	30 632	31 445	32 827	19 968
Argentina	1 986	2 656	2 742	2 349	2 611	2 546	2 370	2 274	2 374	2 271
Brazil	3 474	4 592	4 086	4 377	4 384	4 541	4 746	4 040	4 684	4 767
Chile	...	227	438	412	189	0	...	...	...	...
Colombia	...	428	428	434	353	410	440	454	489	402
Peru	...	17	31	61	62	60	52	62	55	57
Venezuela	...	1 081	1 584	957	926	635	756	225	246	3
South America	5 460	9 001	9 309	8 590	8 526	8 191	8 365	7 056	7 848	7 501
Egypt	1 152	1 637	1 162	1 036	1 066	849	689	1 026	...	1 436
Africa	1 152	1 637	1 162	1 036	1 066	849	689	1 026	...	1 436
Iran	4 744	6 870	7 502	7 891	7 635	7 503	7 075	7 142	7 091	7 413
Middle East	4 744	6 870	7 502	7 891	7 635	7 503	7 075	7 142	7 091	7 413
China	81 617	88 641	96 340	109 511	123 211	120 716	125 583	...	...	...
India	12 140	12 520	14 118	17 888	21 586	21 819	20 317	24 164	36 899	...
Indonesia	331	317	182	257	317	523	521	703	1 089	2 147
Japan	38 984	52 691	49 700	50 360	51 774	52 250	50 818	50 669	50 821	49 499
South Korea	24 786	31 092	35 473	36 325	35 543	38 465	37 489	37 245	38 927	38 588
Malaysia	276	1 200	1 323	1 033	1 107	723	707	77	...	...
Philippines	102	...	...	...	...	...	...	...	...	...
Taiwan, China	2 701	3 737	4 056	4 693	4 850	4 885	4 653	5 834	5 734	5 849
Thailand	3 042	3 429	2 913	2 569	2 651	2 907	2 552	2 774	3 010	3 194
Asia	163 981	193 625	204 104	222 635	241 039	242 288	242 640	121 466	136 481	99 278
Australia	2 793	4 052	3 694	2 708	2 289	2 160	2 415	2 501	2 709	2 747
Oceania	2 793	4 052	3 694	2 708	2 289	2 160	2 415	2 501	2 709	2 747
World	262 501	333 951	349 705	363 086	380 999	382 992	359 754	238 560	256 864	199 759

Table 22

Production of Electrical Sheet and Strip

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	223	335	319	299	338	339	394	334	416	338
Belgium	9	0	...	...	...	...	...	...	...	...
Czech Republic	36	41	46	46	50	52	...	52	51	52
Germany	355	515	572	521	475	456	434	...	...	...
France	206	216	205	166	158	184	191	186	185	187
Poland	63	82	125	85	74	89	98	...	...	...
Romania	0	0	...	...	...	...	...	...	...	...
Slovak Republic	115	...	...	...	...	...	...	...	...	...
Slovenia	71	86	86	...	...	...	...	...	...	...
Sweden	75	...	...	...	...	...	...	...	...	...
United Kingdom	54	71	75	65	59	62	66	55	61	53
European Union (28)	1 208	1 347	1 429	1 181	1 154	1 182	1 183	627	714	630
United States	326	305	339	59	...	...	...	...	...	...
North America	326	305	339	59	...	...	...	...	...	...
Brazil	144	199	214	188	180	167	164	150	144	153
South America	144	199	214	188	180	167	164	150	144	153
China	4 709	5 717	6 284	6 194	7 761	8 852	8 809	9 041	10 000	...
India	168	181	161	158	136	131	137	554	358	...
Japan	1 410	2 002	1 949	1 594	1 609	1 552	1 377	1 347	1 408	1 393
South Korea	849	1 011	991	987	919	902	892	770	803	790
Taiwan, China	431	578	624	626	712	773	581	617	707	627
Asia	7 568	9 489	10 009	9 558	11 137	12 211	11 796	12 329	13 276	2 810
World	9 245	11 339	11 991	10 986	12 472	13 560	13 142	13 105	14 133	3 592

Table 23

Production of Tinmill Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Belgium	116	127	129	151	156	142	137	146	148	130 e
Germany	1 134	1 426	1 255	1 364	1 343	1 386	1 338	...	...	...
France	607	773	604	499	544	566	557	542	524	522
Greece	14	...	...	...	...	...	...	...	...	...
Italy	188	...	...	...	...	...	...	...	...	...
Netherlands	577	792	724	755	813	838	803	777	809	658
Slovak Republic	331	...	...	...	...	...	...	...	...	...
Spain	447	574	499	574	579	541	633	634	706	675
United Kingdom	396	468	411	410	401	430	407	390	396	376
European Union (28)	3 810	4 160	3 622	3 753	3 836	3 902	3 876	2 489	2 583	2 361
Kazakhstan	206	210	201	144	93	81	93	80	78	82
Russia	...	209	134	144	149	147	149	129	94	134
Ukraine	...	1	...	...	...	...	...	...	...	...
C.I.S.	206	420	335	288	242	228	242	209	172	216
Canada	234	244	220	239	208	209	216	239	202	249
Mexico	96	105	117	92	112	124	134	153	142	154
United States	2 164	2 502	2 111	2 012	1 868	1 754	1 522	1 359	1 311	1 291
North America	2 494	2 851	2 448	2 343	2 188	2 087	1 872	1 752	1 655	1 694
Argentina	156	144	133	129	131	113	122	...	...	...
Brazil	665	774	856	809	635	553	571	530	525	479
Chile	16	36	36	28	...	...	...	...	...	...
Colombia	59	77	59	59	59	50	82	...	...	...
Venezuela	93	85	71	63	42	18	...	...	...	...
South America	989	1 116	1 155	1 089	867	735	774	530	525	479
India	207	236	217	258	326	390	335	343	412	445 e
Indonesia	85	111	100	115	149	135	164	134	150	148
Japan	1 646	1 903	1 797	1 684	1 656	1 645	1 630	1 698	1 622	1 585
South Korea	736	790	786	809	829	800	793	845	756	772
Malaysia	140	134	140	119	122	115	132	175	160	156
Taiwan, China	185	212	201	210	222	189	197	213	193	181
Thailand	210	181	190	174	194	225	171	150	135	111
Asia	3 210	3 566	3 431	3 369	3 498	3 500	3 422	3 558	3 427	3 397
World	10 708	12 113	10 991	10 841	10 631	10 451	10 187	8 538	8 362	8 147

Table 24

Production of Other Metallic Coated Sheet and Strip

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	1 603	2 037	2 167	2 115	2 371	2 211	2 436	2 517	2 516	2 407
Belgium	2 785	3 437	3 092	3 213	3 209	3 454	3 410	3 326	3 604	...
Estonia	32	...	...	...	...	...	...	...	...	...
Germany	5 871	...	...	...	...	...	...	...	...	...
Finland	828	...	...	...	...	...	...	...	...	...
France	3 077	3 789	3 837	3 527	3 796	4 297	4 310	4 189	4 168	3 914
Greece	102	...	...	...	...	...	...	...	...	...
Hungary	106	101	104	106	103	104	100	100	102	105
Italy	2 742	3 529	4 268	4 129	4 129	4 452	4 664	5 011	5 157	4 694
Luxembourg	465	641	811	533	632	668	632	642	1 214	673
Netherlands	846	1 722	1 183	1 184	1 287	1 332	1 358	1 370	1 337	1 275
Poland	396	455	475	469	470	527	517	560	764	906
Portugal	119	...	...	...	...	...	...	...	...	...
Romania	211	258	...	...	...	...	...	...	...	...
Slovak Republic	545	...	...	...	...	...	...	...	...	...
Spain	1 415	1 548	1 864	1 640	1 554	1 635	1 681	1 806	1 799	1 794
Sweden	407	...	...	...	...	...	...	...	...	...
United Kingdom	825	943	962	867	1 052	1 082	1 076	799	825	855
European Union (28)	22 375	18 460	18 763	17 783	18 602	19 762	20 183	20 320	21 487	16 624
Canada (1)(2)	1 519	1 785	1 888	2 318	2 504	2 549	2 467	2 560	2 190	...
Mexico (1)	1 148	1 677	1 917	1 866	1 952	2 339	2 436	2 733	2 750	2 746
United States (1)(2)	9 023	13 150	15 217	16 703	16 164	16 510	16 033	16 616	16 473	16 890
United States (2)(3)	654	965	1 478	1 433	1 437	1 255	1 348	1 386	1 652	1 893
North America	12 345	17 577	20 501	22 321	22 058	22 653	22 285	23 295	23 066	21 529
China	20 725	28 930	33 079	37 622	46 212	50 750	52 101	53 226	52 630	49 509
India (1)	4 618	4 904	6 244	6 292	6 704	6 983	6 898	9 884	9 376	...
Indonesia	418	430	467	492	408	462	498	632	767	1 192
Japan (1)	20 178	...	...	...	...	...	...	...	...	...
Japan (3)	850	1 222	1 130	1 187	1 246	1 315	1 240	1 304	1 303	1 250
South Korea (1)	6 621	8 753	8 594	9 238	9 503	10 412	10 513	11 039	11 461	11 158
Malaysia	487	556	583	541	646	678	703	781	768	644
Philippines	191	240	267	328	260	650	670	370	370	346
Taiwan, China	2 141	2 544	2 563	2 368	2 539	2 856	2 640	2 798	2 826	2 657
Thailand	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	3 758
Asia	56 787	48 228	53 412	59 846	69 805	76 959	78 824	83 645	84 367	70 515
Australia	1 308	1 612	1 607	1 195	1 195	1 343	1 367	1 473	1 536	1 613
Oceania	1 308	1 612	1 607	1 195	1 195	1 343	1 367	1 473	1 536	1 613
World	92 815	85 876	94 284	101 145	111 660	120 717	122 659	128 732	130 456	110 280

(1) - galvanised products only.

(2) - deliveries.

(3) - excluding galvanised products.

Table 25

Production of Non-metallic Coated Sheet and Strip

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	260	331	320	310	355	290	279	269	273	250
Belgium	269	353	394	429	465	449	439	486	618	...
Germany	586	680	876	751	761	680	623	605	...	...
Finland	176	...	...	...	...	...	...	...	...	...
France	938	915	858	829	835	917	940	1 033	1 009	1 019
Italy	442	495	451	515	593	709	784	880	852	907
Netherlands	238	255	232	249	253	245	231	205	221	211
Poland	155	243	240	259	229	273	270	297	291	317
Slovak Republic	71	...	...	...	...	...	...	...	...	...
Spain	93	180	168	155	169	193	216	217	225	172
Sweden	185	...	...	...	...	...	...	...	...	...
United Kingdom	311	335	332	324	321	300	304	342	309	309
European Union (28)	3 723	3 788	3 870	3 820	3 981	4 055	4 085	4 334	3 798	3 184
Kazakhstan	57	55	65	46	69	78	96	98	108	101
Russia	...	816	1 046	1 293	1 510	1 668	1 476	1 565	1 636	1 712
Ukraine	...	30	30	40	58	16	18	22	24	20
C.I.S.	57	902	1 141	1 379	1 637	1 762	1 590	1 685	1 768	1 833
China	5 050	5 544	6 218	7 761	8 071	8 251	8 099	8 710	9 620	...
Indonesia	22	21	18	24	20	17	37	35	45	53
South Korea	1 784	2 201	2 121	2 113	2 084	1 994	1 896	2 050	2 054	2 270
Malaysia	212	229	227	225	233	212	230	216	209	201
Philippines	103	114	125	136	120	140	150	150	150	135
Taiwan, China	627	695	681	681	970	670	681	729	666	574
Thailand	307	413	270	309	91	...	...	...	...	...
Viet Nam	979	1 196	1 478	398	469	676	774	852	1 094	870
Asia	9 084	10 413	11 139	11 647	12 058	11 960	11 866	12 741	13 838	4 104
Australia	610	89	711	556	569	622	656	719	724	761
Oceania	610	89	711	556	569	622	656	719	724	761
World	13 474	15 191	16 861	17 403	18 244	18 398	18 198	19 480	20 128	9 882

Table 26

Total Production of Tubular Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	499	555	739	698	698	698	570	542	742	738
Belgium	96	...	...	...	...	...	...	...	...	...
Bulgaria	36	36	36	...	...	...	...	...	...	...
Czech Republic	468	576	600	595	577	637	570	521	470	515
Germany	2 904	3 192	3 238	3 086	2 604	2 709	2 402	2 537	...	...
Finland	168	228	180	...	...	...	...	...	...	...
France	912	960	1 200	...	...	...	...	...	...	...
Greece	576	636	648	...	...	...	...	...	...	...
Hungary	60	48	48	...	...	...	...	...	...	...
Italy	2 616	3 036	3 276	...	...	...	...	...	...	...
Netherlands	324	300	300	...	...	...	...	...	...	...
Poland	780	828	876	960	860	848	784	845	807	762
Portugal	96	96	108	...	...	...	...	...	...	...
Romania	479	679	588	...	...	...	...	...	...	...
Slovak Republic	192	228	240	...	...	...	...	...	...	...
Slovenia	72	36	24	...	...	...	...	...	...	...
Spain	744	1 140	1 092	...	...	...	...	...	...	...
Sweden	120	156	168	...	...	...	...	...	...	...
United Kingdom	528	624	732	...	...	...	...	...	...	...
European Union (28)	11 670	13 354	14 093	5 339	4 739	4 893	4 326	4 445	2 019	2 015
Byelorussia	...	173	194	214	216	201	...	...	181	...
Kazakhstan	155	238	273	235	305	311	...	...	380	...
Russia	6 575	9 139	10 045	9 934	10 367	11 593	...	...	11 603	11 841
Ukraine	1 565	1 834	2 302	2 179	1 719	1 373	...	...	1 062	1 103
C.I.S.	8 295	11 384	12 814	12 562	12 607	13 478	...	...	13 226	12 944
Canada	1 524	2 430	2 540	2 721	2 439	1 538	1 044	785	1 029	...
Mexico	1 170	1 375	1 460	1 840	1 924	2 070	1 803	1 700	2 000	1 606
United States	2 129	3 520	4 369	4 338	4 347	4 718	2 576	2 383	3 867	4 359
North America	4 823	7 325	8 369	8 899	8 710	8 326	5 423	4 868	6 896	5 965
Venezuela	4	...	...	...	...	...	...	...	...	...
South America	4	...	...	...	...	...	...	...	...	...
Iran	25	30	30	31	29	5	16	10	10	6
Middle East	25	30	30	31	29	5	16	10	10	6
China	53 214	56 729	63 643	71 184	83 571	88 980	...	...	...	...
India	1 556	1 890	1 804	2 060	1 982	2 077	2 143	2	1	...
Indonesia	641	670	642	687	668	1 105	1 277	1 288	1 573	975
Japan	6 172	7 690	7 804	7 877	8 050	8 283	6 821	6 933	7 092	7 135
South Korea	3 907	4 855	5 073	5 661	5 655	6 409	4 928	5 206	5 640	5 007
Malaysia	617	660	569	688	707	801	842	796	854	805
Philippines	58	50	90	99	300	330	330	330	330	363
Taiwan, China	886	1 148	1 214	1 182	1 206	1 280	1 146	819	977	1 025
Viet Nam	568	674	731	775	969	1 221	1 548	2 061	2 307	2 493
Asia	67 620	74 367	81 571	90 213	103 108	110 486	19 035	17 434	18 774	17 803
Australia	243	251	241	214	190	155	155	155	...	...
Oceania	243	251	241	214	190	155	155	155	...	...
World	92 679	106 711	117 118	117 258	129 383	137 343	28 955	26 912	40 925	38 733

Table 27

Production of Seamless Tubes

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	335	372	495	468	468	468	382	363	497	495
Czech Republic	252	348	384	367	356	396	310	276	264	301
Germany	949	1 276	1 353	1 348	1 306	1 264	1 011	1 045	1 200	...
France	114	153	207	...	...	...	...	...	...	...
Italy	480	588	672	...	...	...	...	...	...	...
Poland	144	156	168	170	150	137	122	116	129	136
Romania	318	431	440	380	340	300	300	290	300	...
Slovak Republic	120	156	168	170	150	150	150	150	150	150
Spain	156	252	276	...	...	...	...	...	...	...
Sweden	72	108	110	100	100	100	100	100	100	100
European Union (28)	2 940	3 839	4 273	3 003	2 870	2 815	2 375	2 340	2 640	1 182
Byelorussia	...	96	117	125	129	121	112	84	139	136
Kazakhstan	75	127	149	100	156	175	183	193	259	290
Russia	2 600	2 658	2 918	3 152	3 101	3 369	3 410	3 238	3 592	3 683
Ukraine	810	782	876	887	712	625	416	384	536	597
C.I.S.	3 485	3 663	4 061	4 264	4 098	4 290	4 121	3 899	4 526	4 706
Canada	152	243	254	272	244	154	104	78	103	100
Mexico	589	679	776	889	985	1 064	739	801	939	975
United States	955	1 741	2 216	2 162	2 276	2 419	1 076	1 231	2 029	2 099
North America	1 696	2 664	3 246	3 323	3 505	3 636	1 919	2 110	3 071	3 174
Argentina	502	779	849	849	692	750	546	376	621	688
Brazil	346	484	483	591	629	657	388	391	556	607
Venezuela	4	...	...	...	...	...	...	...	...	...
South America	852	1 263	1 332	1 440	1 321	1 407	933	767	1 177	1 295
China	21 790	24 174	23 750	24 082	29 984	31 370	28 577	27 353	26 116	24 829
Japan	1 643	2 145	2 279	2 203	2 087	2 215	1 725	1 611	1 719	1 812
South Korea	18	16	17	18	21	20	21	18	23	123
Asia	23 450	26 335	26 046	26 303	32 091	33 605	30 323	28 982	27 857	26 763
World	32 423	37 763	38 957	38 332	43 884	45 753	39 672	38 098	39 271	37 120

Table 28

Production of Welded Tubes

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	164	183	244	230	231	230	188	179	245	244
Belgium	96	...	...	...	...	...	...	...	...	...
Bulgaria	36	36	...	...	...	...	...	...	...	...
Czech Republic	216	228	216	228	221	241	260	245	206	214
Germany	1 946	1 916	1 885	1 738	1 298	1 445	1 391	1 492	...	...
Finland	168	228	180	...	...	...	...	...	...	...
France	468	480	528	...	...	...	...	...	...	...
Greece	576	636	648	...	...	...	...	...	...	...
Hungary	60	48	48	...	...	...	...	...	...	...
Italy	2 148	2 448	2 616	...	...	...	...	...	...	...
Netherlands	324	300	300	...	...	...	...	...	...	...
Poland	624	672	708	790	...	711	662	729	678	626
Portugal	96	96	108	...	...	...	...	...	...	...
Romania	161	249	...	...	...	...	...	...	...	...
Slovak Republic	84	72	72	...	...	...	...	...	...	...
Slovenia	72	36	24	...	...	...	...	...	...	...
Spain	576	888	816	...	...	...	...	...	...	...
Sweden	48	48	48	...	...	...	...	...	...	...
United Kingdom	528	624	732	...	...	...	...	...	...	...
European Union (28)	8 392	9 188	9 173	2 986	1 750	2 628	2 501	2 645	1 129	1 083
Turkey	2 928	3 439	3 765	4 250	4 202	...	...	...	...	...
Other Europe	2 928	3 439	3 765	4 250	4 202	...	...	...	...	...
Byelorussia	...	78	77	89	87	80	104	59	42	52
Kazakhstan	80	111	124	135	149	136	127	111	121	110
Russia	...	6 481	7 127	6 782	7 266	8 224	8 320	7 489	7 987	8 158
Ukraine	...	1 052	1 426	1 292	1 007	748	465	494	512	483
C.I.S.	80	7 721	8 754	8 298	8 509	9 188	9 016	8 153	8 662	8 803
Canada	1 371	2 187	2 286	2 449	2 195	1 384	939	706	926	...
Mexico	581	696	685	952	939	1 006	1 064	899	1 061	631
United States	1 165	1 770	2 147	2 165	2 060	2 299	1 500	1 152	1 853	2 260
North America	3 117	4 653	5 118	5 565	5 193	4 689	3 504	2 758	3 840	2 891
China	31 425	32 555	39 893	47 103	53 587	57 610	69 695	70 164	53 171	48 372
Indonesia	641	670	642	687	668	1 105	1 277	1 288	1 573	942
Japan	4 050	4 982	4 946	5 097	5 318	5 437	4 504	4 774	4 832	4 798
South Korea	3 890	4 839	5 057	5 643	5 634	6 389	4 907	5 187	5 617	4 884
Malaysia	617	660	569	688	707	801	842	796	854	805
Philippines	58	50	90	99	300	330	330	330	330	363
Taiwan, China	886	1 148	1 214	1 182	1 206	1 280	1 146	819	977	1 025
Viet Nam	568	673	731	775	969	1 221	1 548	2 061	2 307	2 493
Asia	42 134	45 578	53 142	61 272	68 389	74 172	84 249	85 419	69 661	63 681
Australia	243	251	241	214	190	155	155	155	...	...
Oceania	243	251	241	214	190	155	155	155	...	...
World	53 966	67 391	76 426	78 335	84 032	90 832	99 425	99 130	83 293	76 459

Table 29

Exports of Semi-finished and Finished Steel Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	5 360	6 315	7 020	6 358	6 605	7 282	7 440	7 310	7 919	7 451
Belgium	12 809	15 153	16 445	14 456	13 875	14 161	15 202	16 724	18 060	17 971
Bulgaria	957	908	1 205	983	946	999	943	1 064	1 354	1 388
Croatia	82	85	109	34	121	210	218	106	64	219
Cyprus	0	0	0	1	1	1	1	0	4	0
Czech Republic	3 877	4 651	4 855	4 642	4 751	4 736	4 830	5 192	4 785	5 068
Denmark	680	857	976	798	797	790	935	946	984	1 052
Estonia	120	204	274	194	107	114	104	109	138	151
Germany	20 778	25 352	26 379	25 818	24 161	24 757	25 146	25 521	26 365	25 999
Finland	1 397	2 490	2 861	1 820	1 617	1 840	1 902	1 948	2 018	2 194
France	11 999	14 141	14 224	14 579	14 164	14 944	14 003	13 689	14 782	14 415
Greece	1 035	1 170	1 742	1 215	973	920	997	990	1 292	1 631
Hungary	1 090	1 316	1 470	1 698	1 766	1 607	1 440	1 404	1 892	2 086
Ireland	34	37	44	50	47	65	93	121	91	100
Italy	12 750	15 316	17 125	17 926	16 640	17 328	16 475	17 895	18 190	18 180
Latvia	865	894	833	1 151	622	399	576	486	458	487
Lithuania	178	205	253	284	258	269	330	380	386	400
Luxembourg	2 471	3 059	3 442	2 869	2 731	3 003	2 908	2 920	2 920	3 027
Malta	0	0	0	0	0	1	1	1	7	0
Netherlands	7 707	9 271	10 441	9 734	8 761	9 715	10 630	10 214	10 916	11 029
Poland	4 188	4 240	4 907	5 392	4 895	5 024	5 084	5 396	6 190	6 017
Portugal	1 442	1 314	1 639	1 728	2 044	2 369	2 324	2 443	2 591	2 416
Romania	2 030	2 950	3 157	2 682	2 277	2 339	2 585	2 506	2 789	2 859
Slovak Republic	3 548	4 590	4 372	4 760	4 786	4 931	4 835	5 089	5 197	5 064
Slovenia	589	688	843	817	807	871	993	1 010	1 103	1 226
Spain	8 176	9 815	9 888	9 416	9 134	9 710	9 590	9 317	8 917	8 637
Sweden	2 449	3 643	5 048	4 034	3 308	3 271	3 207	3 650	3 855	3 387
United Kingdom	6 304	6 044	6 027	6 410	8 374	8 599	7 280	4 588	4 699	4 612
European Union (28)	112 917	134 708	145 576	139 850	134 571	140 255	140 070	141 019	147 965	147 063
Albania	7	142	173	126	108	139	74	5	3	3
Bosnia-Herzegovina	266	386	425	464	455	521	606	499	452	352
Iceland	0	0	1	0	2	5	0	1	0	1
Macedonia	423	519	622	484	373	431	406	512	595	617
Montenegro	59	23	36	20	12	8	27	19	18	16
Norway	591	507	547	664	567	551	521	571	540	491
Serbia	982	1 284	1 116	488	609	748	908	936	1 141	1 444
Switzerland	795	1 066	1 166	1 091	1 097	1 070	1 136	1 110	1 184	1 163
Turkey	17 413	16 223	16 688	18 574	17 305	16 024	14 887	15 349	16 346	19 859
Other Europe	8	13	5	8	3	2	2	2	3	5
Other Europe	20 544	20 162	20 779	21 920	20 531	19 499	18 567	19 005	20 281	23 952
Armenia	0	0	0	0	0	0	0	3	3	4
Azerbaijan	4	23	90	52	50	31	11	124	131	86
Byelorussia	1 962	1 915	1 970	2 167	1 872	2 123	2 170	1 885	2 000	2 172
Georgia	13	82	106	106	258	223	91	70	99	65
Kazakhstan	3 408	2 860	2 491	1 693	1 132	1 650	1 704	2 500	1 732	1 389
Kyrgyzstan	0	10	11	9	8	10	2	0	0	0
Moldova	273	224	221	314	147	344	273	194	375	467
Russia	27 587	27 382	24 729	26 678	23 641	28 084	29 702	31 186	31 159	33 343
Tajikistan	...	0	0	0	0	0	0	1	0	0
Turkmenistan	0	0	0	0	0	0	0	2	0	0
Ukraine	23 970	25 201	25 955	24 142	24 720	21 492	17 721	18 230	15 224	15 083
Uzbekistan	15	30	8	4	9	22	17	4	7	41
C.I.S.	57 232	57 728	55 582	55 164	51 836	53 978	51 693	54 199	50 729	52 650

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Canada	4 947	7 023	6 356	6 166	5 767	6 201	6 038	5 848	6 482	6 435
Costa Rica	7	4	2	6	12	14	110	213	324	221
Cuba	23	17	41	47	40	24	9	32	49	49
Dominican Republic	37	36	90	47	35	43	44	33	48	66
El Salvador	100	4	2	6	4	8	5	10	12	11
Guatemala	4	9	8	13	13	14	16	61	82	82
Honduras	20	20	2	13	12	19	17	28	21	14
Jamaica	0	0	2	...	...	0	0	0	0	0
Mexico	3 619	5 183	5 537	4 688	5 639	5 395	3 898	4 084	5 180	5 825
Nicaragua	4	5	0	0	0	1	2	1	0	1
Panama	3	5	4	7	3	11	5	4	5	7
Trinidad and Tobago	102	125	170	175	102	129	83	4	1	0
United States	9 238	11 802	13 288	13 560	12 508	11 961	10 000	9 247	10 211	8 623
Other North America	31	1	4	6	4	4	18	3	9	1
North America	18 135	24 234	25 506	24 732	24 138	23 823	20 245	19 569	22 423	21 335
Argentina	1 294	1 113	1 118	1 026	880	890	471	450	612	129
Bolivia	0	0	0	0	0	0	0	0	0	0
Brazil	8 607	8 983	10 824	9 673	8 081	9 766	13 708	13 399	15 317	13 914
Chile	103	115	114	80	51	118	79	84	116	222
Colombia	191	203	188	178	119	100	66	66	89	98
Ecuador	10	27	25	20	22	21	40	41	40	60
Paraguay	11	9	3	...	0	0	0	1	...	5
Peru	135	138	134	166	166	178	149	215	209	219
Uruguay	31	20	26	1	28	28	20	38	47	26
Venezuela	770	246	712	163	80	20	78	48	24	23
Other South America	...	...	0	0	0	0	1	0	0	0
South America	11 152	10 854	13 145	11 307	9 428	11 121	14 613	14 342	16 453	14 696
Algeria	10	3	11	23	15	4	1	0	1	59
Cameroon	0	0	3	0	0	0	12	0	0	1
Egypt	941	1 184	1 425	847	1 958	1 153	453	808	1 477	1 453
Ghana	0	0	2	2	1	0	1	0	2	2
Ivory Coast	0	0	1	1	0	0	0	0	1	0
Kenya	1	1	1	0	1	0	1	0	0	0
Libya	95	124	92	47	9	3	13	6	18	51
Morocco	24	64	169	141	92	47	65	107	155	133
Nigeria	1	1	5	5	0	19	6	1	10	5
Senegal	0	0	1	0	0	0	0	0	0	0
South Africa	2 844	3 018	2 567	2 216	1 888	2 339	2 190	2 194	2 562	2 857
Sudan	0	0	1	0	0	0	0	0	0	0
Tanzania	0	1	1	1	0	1	...	0	0	1
Tunisia	96	149	160	99	70	84	53	42	31	85
Other Africa	13	41	43	59	54	63	28	24	21	25
Africa	4 025	4 586	4 481	3 440	4 089	3 712	2 823	3 183	4 278	4 672
Bahrain	26	37	45	41	513	153	540	768	782	665
Iran	131	297	270	260	368	2 868	3 798	5 654	7 460	9 273
Iraq	0	1	0	1	0	0	0	0	1	0
Israel	42	47	59	35	17	7	6	5	8	10
Jordan	1	0	1	1	3	0	1	76	72	117
Kuwait	2	3	16	6	8	3	0	109	101	112
Lebanon	13	14	27	20	24	4	1	0	0	1
Oman	39	40	195	56	49	101	118	268	653	779
Qatar	800	900	585	1 000	1 000	45	0	349	529	1 410
Saudi Arabia	101	132	699	285	247	123	1 129	1 141	1 138	1 775
Syria	2	0	10	0	0	...	0	1	0	0
United Arab Emirates	106	188	949	248	265	860	634	3 404	2 951	2 584
Yemen	0	...	1	0	...	9	14	...	...	0
Other Middle East	151	238	...	...	...	...	...	...	...	...
Middle East	1 415	1 898	2 856	1 951	2 494	4 172	6 241	11 777	13 694	16 726

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Bangladesh	8	12	14	19	26	18	5	4	6	6
China	23 969	41 646	47 899	54 793	61 543	92 907	111 556	108 066	74 808	68 767
Hong Kong	1 226	1 432	1 246	1 168	1 087	1 281	168	988	839	704
India	5 552	6 690	8 940	8 232	10 078	10 379	7 563	10 325	16 335	11 101
Indonesia	1 104	1 236	1 249	901	660	1 342	2 003	1 599	2 425	3 792
Japan	33 306	42 735	40 656	41 458	42 502	41 346	40 804	40 505	37 471	35 839
D.P.R. Korea (e)	76	130	67	78	60	57	33	40	29	16
South Korea	20 237	24 628	28 866	30 227	28 927	31 906	31 173	30 586	31 355	30 056
Malaysia	2 920	2 294	2 746	2 319	1 618	2 100	1 823	1 428	1 725	1 693
Myanmar	0	0	2	5	2	0	2	1	7	5
Pakistan	585	1 063	292	220	159	224	53	65	117	543
Philippines	76	57	105	140	65	149	21	29	37	33
Singapore	1 691	1 904	2 312	2 252	2 275	2 155	1 729	1 708	1 479	1 634
Sri Lanka	1	1	2	3	1	1	1	1	1	4
Taiwan, China	9 953	10 001	10 545	10 539	11 559	12 086	11 177	12 233	12 117	12 285
Thailand	1 587	1 776	1 599	1 569	1 504	1 414	1 254	1 460	1 853	1 916
Viet Nam	151	695	1 137	1 280	1 383	1 523	1 512	2 537	4 034	5 368
Other Asia	1 039	189	1 203	1 384	952	985	1 127	1 159	1 258	1 505
Asia	103 481	136 489	148 881	156 586	164 398	199 875	212 003	212 735	185 896	175 268
Australia	928	1 659	1 389	641	631	683	841	776	979	998
New Zealand	275	406	448	421	475	287	347	188	192	221
Other Oceania	2	1	21	4	1	1	0	0	0	2
Oceania	1 205	2 066	1 858	1 066	1 107	970	1 188	965	1 171	1 222
World	330 106	392 725	418 663	416 017	412 592	457 406	467 441	476 792	462 890	457 583

Table 30

Imports of Semi-finished and Finished Steel Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	2 969	3 253	3 830	3 674	3 320	3 739	4 194	4 328	4 590	4 810
Belgium	9 687	11 481	13 309	10 557	10 109	10 743	12 073	13 007	14 073	14 845
Bulgaria	1 029	1 012	1 503	1 353	1 513	1 878	1 741	1 969	1 799	1 994
Croatia	822	731	678	657	632	680	772	844	821	800
Cyprus	305	341	231	162	131	109	144	154	252	337
Czech Republic	4 161	5 482	5 828	5 921	5 791	5 750	6 146	6 477	7 075	7 370
Denmark	1 624	1 944	2 442	2 250	2 249	2 246	2 436	2 535	2 504	2 592
Estonia	295	495	624	511	433	455	422	540	611	682
Germany	17 656	22 733	24 854	22 729	21 881	24 263	24 817	26 620	27 094	26 584
Finland	972	1 408	1 406	1 055	1 017	1 025	962	1 078	1 995	1 465
France	11 439	14 178	14 715	13 163	13 154	13 418	13 656	14 570	15 073	14 882
Greece	1 708	1 383	1 372	1 072	1 162	1 262	1 173	1 424	1 363	1 600
Hungary	1 272	1 540	1 860	2 126	2 899	2 613	2 275	2 710	2 783	3 058
Ireland	390	459	440	457	451	544	658	684	760	810
Italy	12 550	16 307	17 478	13 899	15 626	16 632	19 936	19 616	20 091	20 619
Latvia	500	660	908	591	650	721	864	827	702	937
Lithuania	440	560	693	744	780	858	894	1 048	1 060	1 142
Luxembourg	1 144	1 439	1 258	1 041	1 193	1 153	1 139	1 158	1 057	1 210
Malta	45	56	34	33	31	41	44	42	42	56
Netherlands	6 309	6 853	8 293	7 557	6 144	6 963	6 803	8 359	8 820	10 329
Poland	5 359	6 386	7 551	7 845	7 993	9 125	9 214	10 105	10 652	12 061
Portugal	2 226	2 351	2 026	1 900	2 472	2 521	2 740	2 803	3 066	3 140
Romania	2 095	2 770	3 374	2 930	2 784	3 216	3 454	3 511	3 833	4 102
Slovak Republic	1 578	2 127	2 343	2 127	2 446	2 552	2 677	2 940	3 004	2 994
Slovenia	1 070	1 124	1 275	1 136	1 125	1 223	1 407	1 483	1 553	1 745
Spain	7 040	8 630	8 449	7 329	7 401	8 127	8 885	9 391	9 948	10 779
Sweden	2 788	3 843	4 578	3 727	3 154	3 144	3 077	3 433	3 751	4 403
United Kingdom	4 374	6 297	7 462	7 140	6 349	7 403	7 182	7 652	7 847	7 889
European Union (28)	101 847	125 845	138 813	123 687	122 891	132 402	139 784	149 311	156 216	163 237
Albania	389	253	259	257	181	173	238	394	250	233
Bosnia-Herzegovina	220	315	316	281	278	268	314	418	459	470
Iceland	31	34	35	37	106	40	50	62	59	65
Macedonia	447	538	404	360	340	448	515	764	553	571
Montenegro	21	16	17	19	25	25	66	76	126	46
Norway	960	853	1 031	1 004	954	1 419	1 000	1 001	1 139	1 101
Serbia	774	562	471	618	622	672	665	647	743	884
Switzerland	1 856	2 280	2 485	2 426	2 438	2 454	2 330	2 498	2 544	2 590
Turkey	10 236	10 746	10 304	11 499	14 462	13 394	18 614	17 009	15 814	14 043
Other Europe	195	3 020	242	121	127	123	205	120	151	132
Other Europe	15 129	18 617	15 566	16 621	19 534	19 016	23 998	22 988	21 838	20 135
Armenia	113	111	79	80	76	80	72	91	107	143
Azerbaijan	667	793	912	1 060	1 257	1 248	839	561	536	660
Byelorussia	1 482	2 079	1 972	2 210	2 342	1 880	1 481	1 514	1 777	1 881
Georgia	206	282	311	374	391	451	412	460	445	507
Kazakhstan	2 295	1 134	1 316	1 667	1 201	1 660	505	444	403	421
Kyrgyzstan	136	134	181	265	321	343	301	288	278	313
Moldova	121	124	138	178	178	208	151	166	150	164
Russia	3 586	5 229	7 199	6 897	6 571	6 442	4 364	4 448	6 505	6 375
Tajikistan	137	105	111	174	245	277	379	309	280	357
Turkmenistan	758	482	575	1 172	1 014	1 004	798	550	233	234
Ukraine	1 008	1 793	1 981	1 876	1 767	1 202	804	1 138	1 401	1 582
Uzbekistan	871	633	622	819	1 160	1 252	1 160	1 127	1 727	2 000
C.I.S.	11 380	12 899	15 397	16 771	16 522	16 048	11 266	11 095	13 840	14 636

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Canada	6 217	9 331	10 903	9 618	8 895	10 293	8 021	7 727	8 809	9 110
Costa Rica	275	298	461	411	417	446	504	786	875	901
Cuba	137	175	216	171	187	131	272	187	174	145
Dominican Republic	668	683	603	491	583	734	829	827	859	1 062
El Salvador	95	162	174	197	262	246	313	367	389	397
Guatemala	343	430	547	441	548	649	920	935	859	783
Honduras	100	105	196	266	230	270	306	300	399	362
Jamaica	68	69	79	125	100	142	158	133	191	159
Mexico	4 858	6 732	6 846	9 266	8 117	9 111	10 031	9 679	11 625	10 995
Nicaragua	77	52	72	95	73	112	171	223	160	130
Panama	354	439	542	442	585	725	590	580	566	526
Trinidad and Tobago	311	145	140	178	193	256	231	222	230	215
United States	15 342	22 510	26 590	30 886	29 812	41 369	36 485	30 913	35 366	31 726
Other North America	993	653	188	163	195	179	258	277	312	279
North America	29 836	41 786	47 556	52 750	50 195	64 664	59 090	53 156	60 816	56 789
Argentina	671	1 261	1 272	1 315	1 152	920	1 195	772	1 556	843
Bolivia	300	370	380	381	421	464	428	509	497	497
Brazil	2 357	5 904	3 783	3 777	3 683	3 947	3 195	1 864	2 313	2 373
Chile	678	1 790	1 377	1 557	1 696	1 729	1 905	1 798	1 899	2 076
Colombia	1 606	1 987	2 439	1 894	2 628	3 125	2 912	2 748	2 486	2 863
Ecuador	793	927	1 195	1 095	1 236	1 283	1 027	927	1 096	851
Paraguay	110	196	272	264	339	390	303	328	371	474
Peru	996	1 779	1 862	1 573	1 880	2 015	2 209	2 247	1 859	2 176
Uruguay	102	131	195	141	189	212	215	156	177	172
Venezuela	417	471	644	1 011	980	897	725	318	128	44
Other South America	46	23	72	78	86	86	110	82	90	110
South America	8 077	14 838	13 491	13 085	14 291	15 066	14 225	11 750	12 472	12 480
Algeria	5 510	3 654	3 947	4 723	5 126	5 975	6 300	5 465	4 619	3 181
Cameroon	170	159	158	234	233	269	281	243	195	221
Egypt	5 625	3 324	2 574	3 654	4 237	6 167	7 881	9 197	5 538	421
Ghana	414	479	779	716	699	767	889	836	704	753
Ivory Coast	168	208	191	205	266	301	345	397	413	399
Kenya	821	797	1 207	949	1 308	1 333	1 708	1 491	1 364	1 415
Libya	1 439	1 147	154	746	967	610	419	173	136	383
Morocco	1 954	1 411	1 421	1 294	1 641	1 670	2 019	2 152	1 535	1 496
Nigeria	1 783	1 341	1 762	1 753	2 193	1 955	1 677	1 209	1 022	1 497
Senegal	267	338	403	368	313	386	419	517	476	593
South Africa	635	843	1 259	1 108	1 759	1 418	1 699	1 392	1 186	1 024
Sudan	496	422	400	426	387	310	507	576	611	440
Tanzania	321	332	443	411	726	602	667	551	535	732
Tunisia	925	1 108	997	810	886	955	1 098	1 010	1 169	1 300
Other Africa	3 293	2 975	3 541	4 203	4 701	4 973	5 219	4 496	3 867	4 173
Africa	23 821	18 537	19 235	21 602	25 441	27 692	31 128	29 704	23 369	18 027
Bahrain	100	176	197	176	99	94	160	417	590	493
Iran	9 139	9 613	8 556	5 604	3 111	4 187	4 472	4 683	3 098	1 790
Iraq	1 920	2 297	2 676	4 028	4 480	3 116	2 878	2 472	2 366	2 781
Israel	1 334	1 530	1 808	1 926	2 164	2 335	2 651	2 983	2 828	3 023
Jordan	1 567	1 336	1 094	1 245	868	854	863	1 392	765	824
Kuwait	617	1 521	1 123	788	680	728	1 000	1 477	1 141	1 149
Lebanon	2 533	2 455	2 748	2 999	1 500	1 482	1 196	1 515	1 177	961
Oman	426	496	689	862	688	968	1 182	1 768	1 538	1 734
Qatar	287	136	239	319	215	272	300	443	473	732
Saudi Arabia	3 419	5 179	6 210	8 092	6 664	6 641	6 491	7 355	4 610	3 739
Syria	2 317	1 795	1 977	638	267	350	325	277	292	288
United Arab Emirates	6 030	6 818	6 115	6 242	5 590	6 647	6 608	7 422	6 501	5 747
Yemen	820	517	355	653	859	899	402	802	893	1 018
Other Middle East	...	1	...	0	...	0	3	0	0	0
Middle East	30 508	33 870	33 786	33 572	27 184	28 572	28 530	33 007	26 271	24 277

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Bangladesh	1 641	1 834	1 990	2 316	2 468	2 720	4 030	4 014	2 673	3 140
China	22 350	17 181	16 349	14 154	14 774	14 903	13 178	13 581	13 909	14 366
Hong Kong	2 830	3 241	3 013	3 029	3 365	3 827	3 694	3 306	3 027	2 763
India	8 288	9 744	9 213	9 341	7 392	9 477	13 284	9 904	8 882	9 026
Indonesia	5 712	7 614	8 595	12 032	12 297	11 026	11 413	12 574	11 414	11 700
Japan	3 037	4 440	5 563	5 733	5 413	6 733	5 918	6 014	6 233	6 040
D.P.R. Korea (e)	93	95	114	124	133	175	234	254	179	3
South Korea	20 340	24 779	22 828	20 402	19 033	22 408	21 674	23 285	19 323	14 928
Malaysia	3 908	5 189	5 067	5 942	6 722	7 637	7 816	9 073	7 738	7 952
Myanmar	802	911	1 193	1 439	1 437	2 147	2 420	2 374	2 004	2 076
Pakistan	1 739	1 695	1 591	1 953	2 062	2 477	3 411	4 358	3 917	3 474
Philippines	3 211	4 050	3 927	4 384	4 972	6 805	7 282	7 248	7 308	9 104
Singapore	3 860	4 236	5 438	5 399	6 167	5 673	5 180	4 285	3 648	4 057
Sri Lanka	378	466	529	613	586	673	951	1 068	1 050	996
Taiwan, China	6 535	8 499	7 552	7 521	7 764	8 859	7 510	7 862	7 425	7 694
Thailand	9 027	12 281	12 498	15 183	15 866	15 081	14 628	17 605	14 486	15 468
Viet Nam	9 433	9 211	7 869	7 779	9 951	12 359	16 343	19 499	16 222	14 155
Other Asia	1 584	1 815	4 367	3 071	2 265	2 769	2 576	3 478	4 478	4 965
Asia	104 768	117 281	117 696	120 414	122 668	135 749	141 538	149 780	133 916	131 908
Australia	2 113	2 597	2 346	2 884	2 208	2 978	2 868	1 935	2 269	2 290
New Zealand	264	337	310	329	362	388	394	409	402	393
Other Oceania	118	141	132	135	126	130	176	207	190	178
Oceania	2 495	3 074	2 788	3 348	2 696	3 496	3 438	2 550	2 862	2 861
World	327 862	386 747	404 329	401 851	401 423	442 704	452 996	463 342	451 600	444 350

Table 31

Exports of Ingots and Semis

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	187	189	294	234	301	247	241	208	236	215
Belgium	264	475	451	321	287	195	163	466	469	196
Bulgaria	54	30	25	14	12	7	2	5	2	0
Croatia	0	2	30	4	79	118	127	3	3	120
Cyprus	...	...	0	...	...	...	...	0	...	...
Czech Republic	223	319	355	292	259	283	266	368	339	410
Denmark	13	18	18	21	22	17	18	20	23	29
Estonia	3	1	1	1	0	0	0	0	0	0
Germany	1 655	2 150	2 100	1 690	1 822	1 939	1 910	1 899	1 891	1 805
Finland	253	264	219	128	50	76	125	12	30	83
France	1 813	1 794	1 992	2 233	1 132	1 236	767	796	1 177	1 407
Greece	103	143	140	60	44	51	47	109	178	203
Hungary	4	9	26	3	10	23	20	60	23	12
Ireland	0	0	1	0	0	1	1	1	1	1
Italy	570	908	909	831	703	654	461	544	754	788
Latvia	2	2	5	73	33	0	0	0	0	1
Lithuania	1	2	0	0	0	0	0	0	0	0
Luxembourg	13	11	37	27	26	15	21	25	29	50
Malta	...	0	...	0	...	...	...	...	...	0
Netherlands	374	798	1 402	1 174	667	635	785	731	998	522
Poland	664	483	835	599	375	720	674	700	561	591
Portugal	136	171	109	36	72	151	155	207	335	262
Romania	52	196	268	200	156	187	103	79	241	315
Slovak Republic	256	631	222	417	129	306	563	518	641	493
Slovenia	12	17	39	33	42	47	28	26	23	27
Spain	261	338	194	122	226	112	151	238	294	182
Sweden	59	233	244	448	416	256	174	187	220	223
United Kingdom	2 130	1 137	903	2 078	3 494	3 534	2 687	842	846	946
European Union (28)	9 104	10 322	10 818	11 040	10 357	10 810	9 492	8 044	9 314	8 884
Albania	...	132	167	124	46	104	50	4	...	...
Bosnia-Herzegovina	44	94	84	110	114	161	119	52	17	25
Montenegro	6	6	8	3	2	0	1	2	0	0
Norway	107	64	92	163	88	54	40	40	72	41
Serbia	47	21	111	188	267	266	120	13	55	38
Switzerland	48	67	85	70	75	75	94	98	107	86
Turkey	2 424	3 737	2 455	2 980	1 567	603	305	272	891	1 021
Other Europe	0	...	0	0	0	5	...	0	0	0
Other Europe	2 675	4 120	3 004	3 639	2 159	1 268	728	480	1 142	1 211
Byelorussia	613	648	611	709	385	585	523	112	244	262
Kazakhstan	725	830	754	786	202	369	289	665	545	563
Russia	13 270	15 309	13 166	15 507	13 783	14 156	15 310	15 789	15 141	16 743
Ukraine	11 520	11 430	10 816	10 101	10 952	9 290	7 849	7 833	6 372	6 402
Other C.I.S.	5	16	9	25	123	93	59	152	156	73
C.I.S.	26 133	28 233	25 356	27 128	25 446	24 493	24 030	24 552	22 458	24 044
Canada	885	1 795	1 095	664	314	386	205	155	256	161
Cuba	19	11	35	8	33	23	...	32	49	49
Mexico	1 003	1 749	1 833	1 020	1 340	1 291	707	731	1 037	2 000
Trinidad and Tobago	44	11	...	12	0	...	21	1	...	...
United States	591	616	907	808	449	295	142	113	146	95
Other North America	15	2	0	5	1	0	26	16	47	33
North America	2 557	4 186	3 870	2 516	2 136	1 995	1 101	1 048	1 535	2 338

Table 31
(continued) **Exports of Ingots and Semis**

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Argentina	290	41	65	53	56	180	103	32	4	...
Brazil	4 612	5 257	7 170	6 637	5 273	6 295	8 717	8 446	9 758	9 207
Venezuela	118	56	35	...	...	...	6	16	23	7
Other South America	5	9	4	0	9	26	0	8	8	11
South America	5 025	5 363	7 274	6 691	5 338	6 502	8 825	8 502	9 793	9 225
Egypt	0	16	30	23	181	110	34	15	122	206
Libya	20	...	31	35	...	...	13	4	0	3
South Africa	436	228	208	111	26	70	154	138	369	348
Other Africa	3	0	15	16	4	9	7	10	12	52
Africa	460	244	284	186	210	188	207	166	503	609
Iran	...	66	6	1	90	746	1 353	3 372	5 940	6 265
Oman	16	1	15	0	...	32	74	108	481	633
Qatar	46	...	201	0	3	44	...	123	290	0 e
Saudi Arabia	...	0	4	102	70	29	7	10	16	394
United Arab Emirates	2	3	48	26	2	423	189	713	1 044	994
Other Middle East	1	1	2	5	386	94	230	559	803	731
Middle East	64	72	276	133	550	1 367	1 854	4 885	8 573	9 017
China	44	145	5	4	4	7	8	13	12	15
India	695	222	481	601	1 253	1 601	769	1 766	2 786	2 452
Indonesia	2	13	2	4	6	313	635	752	1 027	1 226
Japan	5 843	5 229	5 162	5 519	5 966	5 330	4 814	4 542	4 326	4 064
D.P.R. Korea (e)	46	90	60	50	44	38	23	18	16	13
South Korea	353	1 189	1 719	1 985	1 346	870	483	352	912	693
Malaysia	647	565	916	602	146	102	118	105	59	219
Philippines	2	2	34	0	0	0	0	0	0	0
Singapore	18	14	20	13	17	60	13	6	20	35
Taiwan, China	769	473	367	344	690	449	215	669	293	189
Thailand	145	220	160	113	49	6	4	118	255	174
Viet Nam	4	1	116	82	81	126	25	1	654	764
Other Asia	55	16	25	23	8	24	23	15	61	537
Asia	8 623	8 176	9 067	9 340	9 611	8 925	7 130	8 359	10 422	10 380
Australia	32	18	52	12	28	59	49	41	18	95
New Zealand	7	6	5	9	9	9	11	1	0	0
Other Oceania	...	...	...	...	0	0	...	...	...	0
Oceania	39	24	57	21	37	68	60	42	18	96
World	54 679	60 741	60 007	60 694	55 843	55 616	53 426	56 077	63 758	65 804

Table 32

Imports of Ingots and Semis

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	47	162	185	182	155	289	604	603	570	576
Belgium	1 988	2 568	2 910	2 448	1 631	1 813	2 180	1 919	2 138	2 721
Bulgaria	306	258	412	299	413	339	376	479	368	540
Croatia	19	8	2	14	2	2	3	3	3	3
Cyprus	0	0	0	0	0	0	0	0	0	0
Czech Republic	221	619	322	345	355	291	393	617	739	778
Denmark	329	537	606	421	552	560	634	677	654	733
Estonia	1	1	1	1	1	0	0	0	0	0
Germany	1 172	1 611	2 263	1 728	1 352	2 066	1 886	1 899	2 252	1 831
Finland	30	18	17	10	6	4	4	22	31	32
France	1 113	1 792	2 028	1 718	1 694	1 800	2 094	2 298	1 829	1 656
Greece	159	28	72	18	45	34	50	13	3	1
Hungary	105	30	239	566	1 156	726	229	371	138	212
Ireland	5	6	2	2	3	8	7	7	10	9
Italy	2 656	3 567	3 631	3 168	3 198	3 127	3 802	3 784	3 900	3 939
Latvia	227	206	406	3	3	3	206	29	4	7
Lithuania	1	3	3	5	7	9	1	2	1	1
Luxembourg	357	405	359	138	130	136	115	80	23	49
Malta	0	0	0	0	0	0	0	0	0	0
Netherlands	334	465	1 288	1 045	387	738	750	982	804	562
Poland	156	119	333	575	603	401	238	313	340	699
Portugal	53	21	14	33	22	27	47	41	41	29
Romania	108	455	771	329	226	303	304	220	252	247
Slovak Republic	54	9	24	7	12	9	13	19	11	11
Slovenia	2	8	32	21	21	28	18	21	23	27
Spain	917	940	797	711	768	953	843	1 127	965	1 087
Sweden	120	173	218	131	119	168	244	205	231	288
United Kingdom	210	740	1 185	828	444	342	363	432	451	834
European Union (28)	10 688	14 748	18 119	14 744	13 304	14 176	15 404	16 163	15 782	16 873
Albania	72	0	0	0	0	0	0	24	0	0
Bosnia-Herzegovina	1	1	20	9	12	3	1	2	4	49
Iceland	1	1	1	0	1	0	1	0	1	2
Macedonia	123	153	93	60	44	144	66	176	82	128
Montenegro	0	0	0	0	0	0	0	...	0	0
Norway	59	5	5	6	8	8	8	5	10	13
Serbia	227	168	35	2	1	3	3	9	16	8
Switzerland	9	18	61	49	45	33	24	21	38	38
Turkey	3 629	2 401	2 158	3 356	5 430	4 777	7 885	6 160	4 835	4 760
Other Europe	3	0	1	0	0	0	0	0	0	0
Other Europe	4 126	2 747	2 375	3 482	5 542	4 967	7 989	6 396	4 986	4 998
Armenia	0	...	...	0	0	0	0	0	2	1
Azerbaijan	5	82	108	82	72	113	11	6	1	12
Byelorussia	4	6	4	7	104	17	3	3	23	17
Georgia	0	0	2	2	42	11	8	8	11	21
Kazakhstan	19	4	754	786	202	369	1	1	0	0
Kyrgyzstan	0	...	0	0	0	0	0	0	0	0
Moldova	15	0	0	59	19	51	0	0	0	0
Russia	6	12	38	19	21	10	8	6	72	231
Tajikistan	1	...	0	2	0	1	3	0	0	2
Turkmenistan	0	10	0	150	185	19	0	0	0	0
Ukraine	247	493	511	363	84	71	14	22	28	51
Uzbekistan	0	0	0	0	0	104	254	240	389	476
C.I.S.	299	607	1 419	1 472	731	767	303	286	526	810

Table 32
(continued)

Imports of Ingots and Semis

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Canada	209	657	2 292	470	278	557	267	249	576	845
Costa Rica	16	0	106	70	21	0	106	184	320	268
Cuba	2	1	2	2	1	1	1	0	0	0
Dominican Republic	469	392	333	247	271	406	306	424	332	504
El Salvador	7	5	0	18	16	13	0	...	...	49
Guatemala	47	61	95	71	40	48	13	...	...	190
Honduras	27	28	57	55	37	29	10	...	...	...
Jamaica	0	0	0	1	0	0	0	1	1	0
Mexico	514	319	226	1 007	333	520	520	419	556	1 473
Nicaragua	0	0	0	0	0	0	0	0	0	0
Panama	0	1	51	29	12	4	0	...	0	0
Trinidad and Tobago	0	0	0	0	0	0	0	0	1	0
United States	1 822	4 596	6 076	6 915	6 638	9 562	6 560	6 014	7 669	7 372
Other North America	857	518	27	9	44	2	2	1	1	2
North America	3 971	6 580	9 265	8 895	7 691	11 141	7 786	7 292	9 456	10 704
Argentina	115	383	280	348	346	110	99	118	525	75
Bolivia	0	0	0	0	0	0	0	0	0	3
Brazil	37	53	25	32	11	14	74	245	86	173
Chile	16	77	10	59	60	1	0	23	3	76
Colombia	142	69	120	69	133	244	163	193	109	139
Ecuador	169	132	117	54	75	34	0	33	27	8
Paraguay	0	0	0	...	0	0	0	8	0	0
Peru	173	248	246	221	400	219	296	341	203	249
Uruguay	2	...	16	40	0	0	...	0	0	...
Venezuela	6	1	2	1	1	1	7	1	0	0
Other South America	1	0	0	1	1	0	0	0	0	0
South America	661	963	816	825	1 026	624	639	961	953	724
Algeria	118	1	8	15	65	208	502	586	1 780	1 220
Cameroon	4	3	0	15	16	4	6	18	36	37
Egypt	1 315	1 176	1 012	1 613	2 602	3 085	3 570	3 994	2 782	5
Ghana	22	10	1	0	1	0	10	5	0	0
Ivory Coast	0	0	0	0	0	0	0	0	0	0
Kenya	114	100	117	135	157	162	177	119	212	214
Libya	158	212	0	63	112	67	181	31	72	273
Morocco	1 020	653	548	402	581	567	919	1 142	526	424
Nigeria	201	35	28	49	85	103	95	65	51	8
Senegal	0	0	2	1	0	0	5	0	0	0
South Africa	7	6	89	10	116	139	32	17	10	13
Sudan	122	85	66	92	79	12	13	45	164	131
Tanzania	10	5	2	4	12	14	25	39	22	38
Tunisia	294	401	287	262	337	340	494	364	552	598
Other Africa	61	32	30	51	59	91	58	42	185	143
Africa	3 446	2 718	2 188	2 713	4 221	4 793	6 088	6 467	6 395	3 103
Bahrain	24	13	14	1	16	1	5	4	39	29
Iran	2 230	3 151	2 085	2 053	304	346	142	255	48	39
Iraq	0	0	0	29	13	2	0	0	0	40
Israel	87	68	26	66	8	20	57	37	2	14
Jordan	766	398	329	434	379	325	239	662	222	195
Kuwait	3	202	0	0	0	0	0	2	3	33
Lebanon	1 305	1 334	1 672	1 824	149	0	0	0	0	10
Oman	44	89	72	153	71	0	0	354	565	473
Qatar	1	0	13	28	0	5	0	4	0	1 e
Saudi Arabia	527	1 308	1 793	2 488	1 962	1 196	1 557	1 195	257	206
Syria	756	689	901	266	152	122	39	35	17	14
United Arab Emirates	1 267	1 338	327	330	130	121	5	732	1 397	1 261
Yemen	0	0	0	0	0	...	0	0	0	0
Middle East	7 011	8 591	7 234	7 670	3 183	2 139	2 045	3 280	2 551	2 316

Table 32
(continued)

Imports of Ingots and Semis

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Bangladesh	379	539	752	1 002	1 026	916	460	875	129	27
China	4 649	680	666	402	611	347	301	288	522	1 081
Hong Kong	247	169	137	70	69	4	17	17	20	0
India	648	559	563	823	248	413	765	577	555	598
Indonesia	2 093	2 414	2 175	3 818	3 828	3 697	4 574	5 394	4 158	3 772
Japan	48	98	224	287	165	259	156	202	234	352
D.P.R. Korea (e)	14	0	0	0	...	0	0	...	0	3
South Korea	5 413	6 184	4 189	2 760	2 383	3 075	2 938	3 433	2 350	2 004
Malaysia	132	162	142	251	142	187	171	223	323	310
Myanmar	45	52	10	11	36	12	21	1	8	1
Pakistan	89	70	106	41	59	20	13	29	106	73
Philippines	914	1 183	786	328	311	172	431	1 034	2 129	3 394
Singapore	41	44	40	20	23	23	11	8	32	11
Sri Lanka	126	130	172	240	239	223	197	193	441	400
Taiwan, China	4 253	4 593	3 978	3 966	3 493	4 068	3 405	3 657	3 518	3 937
Thailand	3 837	4 010	3 409	3 991	3 684	3 127	3 171	4 940	3 002	3 321
Viet Nam	2 283	1 942	814	452	358	336	591	754	409	162
Other Asia	129	767	221	292	291	508	591	521	1 141	1 199
Asia	25 341	23 595	18 385	18 753	16 965	17 387	17 812	22 146	19 077	20 645
Australia	5	53	7	5	3	32	2	16	3	1
New Zealand	0	1	1	1	1	1	2	1	1	2
Other Oceania	28	3	42	57	27	41	56	48	83	27
Oceania	34	57	51	63	31	74	59	65	87	30
World	55 575	60 606	59 851	58 617	52 692	56 068	58 125	63 055	59 813	60 203

Table 33

Exports of Long Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	1 058	1 332	1 384	935	942	1 456	1 518	1 642	1 662	1 590
Belgium	1 495	1 479	1 836	1 484	1 284	1 390	1 324	1 265	1 400	1 950
Bulgaria	526	508	719	523	546	550	486	579	506	629
Cyprus	0	...	0	...	0	0	0	0	0	...
Czech Republic	2 250	2 595	2 698	2 693	2 674	2 619	2 729	2 854	2 643	2 751
Denmark	168	205	252	204	200	171	201	204	225	226
Estonia	27	27	26	35	36	32	30	29	31	47
Germany	5 659	6 921	7 139	7 322	6 859	7 094	7 148	7 047	7 071	7 035
Finland	285	431	466	299	137	188	188	195	211	209
France	1 840	2 346	2 653	2 500	2 499	2 482	2 416	2 395	2 493	2 367
Greece	568	645	1 137	818	634	505	537	595	786	854
Hungary	120	155	187	164	222	208	190	223	248	269
Ireland	21	17	28	35	29	37	41	57	46	54
Italy	4 043	4 275	4 845	5 050	5 251	5 642	5 569	6 125	6 270	6 369
Latvia	715	664	596	837	312	58	235	99	50	73
Lithuania	127	158	191	220	192	194	247	297	296	312
Luxembourg	1 890	2 290	2 760	2 296	2 073	2 221	2 194	2 178	2 198	2 253
Malta	0	0	0	...	0	0	0	0	0	0
Netherlands	706	804	986	862	666	697	738	881	985	1 162
Poland	2 129	2 476	2 681	2 990	2 760	2 488	2 528	2 568	2 790	2 737
Portugal	925	807	1 188	1 343	1 517	1 705	1 571	1 600	1 602	1 471
Romania	246	704	1 003	569	317	356	423	439	488	467
Slovak Republic	254	354	388	592	711	506	324	336	322	332
Slovenia	113	175	190	182	191	209	214	237	282	303
Spain	5 324	5 959	6 362	6 359	6 157	6 387	6 184	5 849	5 634	5 488
Sweden	384	577	642	569	492	511	486	499	551	489
United Kingdom	1 685	2 134	2 040	1 832	1 823	1 989	1 865	1 606	1 540	1 610
European Union (28)	32 561	38 038	42 397	40 712	38 524	39 697	39 386	39 801	40 330	41 047
Albania	...	...	6	1	61	35	23	1	2	3
Bosnia-Herzegovina	187	220	285	312	316	352	390	416	409	309
Croatia	...	...	7	8	16	59	54	55	24	49
Iceland	...	...	0	0	0	0	0	1	0	0
Macedonia	16	...	45	42	22	31	42	25	43	71
Montenegro	...	...	27	17	10	4	21	17	17	16
Norway	365	314	329	356	362	360	368	399	350	344
Serbia	17	15	26	24	35	30	29	23	48	47
Switzerland	434	614	665	645	670	640	666	663	721	721
Turkey	11 783	9 254	10 527	11 774	11 447	10 993	10 183	10 193	9 257	10 632
Other Europe	...	...	0	0	0	0	0	0	0	4
Other Europe	12 802	10 416	11 916	13 180	12 941	12 504	11 777	11 793	10 872	12 196
Byelorussia	1 233	1 071	1 117	1 217	1 222	1 287	1 428	1 550	1 496	1 627
Kazakhstan	54	56	41	44	61	133	114	133	170	173
Kyrgyzstan	...	...	11	9	8	6	2	0	0	0
Moldova	...	...	210	306	142	339	270	191	373	464
Russia	3 838	3 127	2 816	2 496	2 199	3 921	4 094	4 347	4 467	4 891
Ukraine	5 000	5 909	5 922	5 937	5 832	4 956	4 326	4 589	3 249	2 859
Other C.I.S.	7	66	102	83	114	127	52	34	30	48
C.I.S.	10 132	10 229	10 217	10 090	9 579	10 769	10 285	10 845	9 787	10 063

Table 33
(continued)

Exports of Long Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Canada	923	1 383	1 455	1 401	1 348	1 521	1 625	1 545	1 649	1 383
Cuba	...	...	6	34	6	1	8	...	...	0
Dominican Republic	...	...	85	39	30	39	40	26	34	53
Mexico	858	1 237	1 330	1 458	1 812	1 534	1 229	1 163	1 302	1 291
Trinidad and Tobago	...	...	170	163	101	129	56	3	0	0
United States	2 112	2 910	3 467	3 629	3 108	2 846	2 102	1 902	2 109	2 012
Other North America	...	...	4	21	25	40	266	319	398	135
North America	3 893	5 530	6 516	6 745	6 430	6 111	5 326	4 959	5 493	4 874
Argentina	100	222	217	332	284	168	86	71	104	27
Brazil	1 327	1 129	1 198	816	932	898	1 110	1 735	1 863	1 468
Chile	79	86	78	51	24	76	65	67	86	186
Colombia	13	11	7	10	5	4	3	4	10	4
Ecuador	...	...	13	6	8	6	5	6	6	22
Peru	126	131	124	152	155	168	156	199	231	202
Venezuela	...	44	94	46	1	1	...	14	0	4
Other South America	...	...	2	0	0	0	0	10	0	3
South America	1 644	1 622	1 733	1 413	1 409	1 321	1 424	2 107	2 300	1 917
Egypt	163	379	568	347	595	269	30	182	363	323
Libya	...	...	7	1	1	3	...	0	0	0
Morocco	...	...	65	44	7	0	0	11	27	61
South Africa	740	810	385	476	492	444	494	437	589	698
Other Africa	...	...	37	52	45	65	41	31	28	24
Africa	904	1 189	1 062	920	1 140	782	567	660	1 008	1 106
Iran	...	...	56	31	27	17	26	500	750	1 734
Israel	...	...	35	30	10	1	0	0	1	0
Oman	...	...	67	1	0	0	0	106	88	39
Qatar	...	...	341	8	0	0	0	225	239	1 408
Saudi Arabia	...	...	46	3	2	1	1	110	376	713
United Arab Emirates	...	...	431	39	97	207	184	855	667	583
Other Middle East	6	11	17	11	115	52	69	337	92	97
Middle East	6	11	992	122	251	278	280	2 133	2 212	4 574
China	5 527	9 153	11 597	17 565	23 512	38 327	52 351	49 482	21 956	18 745
Hong Kong	227	227	215	252	318	478	527	408	310	282
India	455	621	949	707	776	908	766	1 051	1 848	1 501
Indonesia	295	188	262	115	138	115	98	145	179	214
Japan	3 532	5 182	4 861	4 770	5 226	5 243	5 576	5 373	5 063	4 812
South Korea	3 620	3 658	3 819	3 449	3 613	3 836	3 421	3 436	3 488	3 798
Malaysia	758	717	625	493	390	387	378	426	431	507
Singapore	370	495	565	561	577	769	857	919	598	723
Taiwan, China	1 448	1 322	1 347	1 104	1 113	1 376	1 281	1 425	1 369	1 432
Thailand	622	770	875	832	889	872	768	771	790	870
Viet Nam	...	...	37	50	54	74	79	301	544	792
Other Asia	9	9	412	411	326	333	527	589	660	668
Asia	16 862	22 343	25 564	30 310	36 931	52 719	66 629	64 326	37 235	34 345
Australia	73	82	89	103	99	99	128	119	87	110
New Zealand	...	60	73	75	88	60	54	19	25	13
Other Oceania	...	...	21	0	0	0	0	0	0	0
Oceania	73	142	183	178	187	159	182	138	113	123
World	78 876	89 520	100 582	103 670	107 392	124 340	135 856	136 762	109 349	110 245

Table 34

Imports of Long Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	1 009	993	1 164	1 248	1 043	1 243	1 252	1 312	1 395	1 594
Belgium	1 679	1 792	2 034	1 579	1 435	1 576	1 534	1 790	1 833	2 287
Bulgaria	341	256	397	353	348	367	388	374	428	471
Cyprus	250	290	187	132	91	79	111	121	184	219
Czech Republic	999	1 092	1 351	1 436	1 324	1 160	1 320	1 306	1 420	1 601
Denmark	302	353	445	424	416	417	450	499	481	509
Estonia	60	75	92	81	82	89	77	131	150	185
Germany	5 018	6 467	6 915	6 265	6 088	6 896	6 941	7 435	7 454	7 600
Finland	328	424	463	436	420	456	437	508	546	536
France	2 790	3 193	3 272	3 028	2 964	2 973	2 876	3 086	3 344	3 455
Greece	364	279	239	185	201	235	226	247	245	274
Hungary	419	532	580	524	550	573	688	770	828	950
Ireland	207	236	207	229	220	258	352	367	411	448
Italy	1 887	2 540	2 791	2 124	2 187	2 381	2 717	2 679	2 898	3 274
Latvia	64	98	118	173	170	173	131	127	150	251
Lithuania	226	324	391	437	445	481	526	674	627	697
Luxembourg	150	157	175	246	237	233	283	270	267	345
Malta	37	46	26	26	21	30	31	33	33	50
Netherlands	2 039	2 505	2 946	2 594	2 024	2 271	2 096	3 047	3 232	3 925
Poland	982	1 311	1 554	1 493	1 674	2 183	2 129	2 148	2 384	2 844
Portugal	742	763	577	519	706	641	623	645	771	738
Romania	789	907	1 041	1 052	1 031	1 153	1 389	1 416	1 490	1 765
Slovak Republic	617	809	838	721	826	819	823	920	904	829
Slovenia	310	305	309	299	286	318	331	349	351	424
Spain	1 301	1 212	1 221	959	953	1 055	1 143	1 174	1 308	1 583
Sweden	626	836	907	812	804	880	916	909	923	915
United Kingdom	1 058	1 527	1 696	1 772	1 895	2 313	2 189	2 055	2 132	2 216
European Union (28)	24 594	29 323	31 935	29 145	28 443	31 251	31 979	34 391	36 188	39 984
Albania	...	...	177	178	112	93	149	185	121	115
Bosnia-Herzegovina	...	...	87	78	103	100	121	142	164	153
Croatia	...	...	281	274	219	258	280	307	330	319
Iceland	...	...	20	20	60	23	26	38	35	45
Macedonia	...	...	77	83	111	93	126	151	119	115
Montenegro	...	...	7	11	10	10	43	56	70	15
Norway	239	276	337	308	320	338	308	349	332	365
Serbia	329	209	218	279	243	292	283	322	334	420
Switzerland	908	1 001	1 048	1 116	1 144	1 155	1 106	1 265	1 270	1 287
Turkey	766	1 184	1 347	1 301	1 456	1 443	1 558	1 662	1 440	1 298
Other Europe	...	...	75	70	70	71	144	68	104	86
Other Europe	2 242	2 669	3 674	3 719	3 846	3 876	4 142	4 545	4 319	4 219
Armenia	...	...	53	47	49	48	37	47	48	76
Azerbaijan	...	...	399	429	540	534	327	183	162	222
Byelorussia	460	617	565	688	740	641	500	491	602	618
Georgia	...	...	141	149	152	187	207	208	150	207
Kazakhstan	837	594	98	158	194	111	55	55	51	98
Kyrgyzstan	...	...	64	107	134	152	130	139	137	168
Moldova	...	...	71	54	83	72	71	89	67	79
Russia	837	1 365	2 094	2 611	2 768	2 270	1 232	1 081	1 700	1 763
Tajikistan	...	...	61	95	133	153	244	168	151	196
Turkmenistan	...	...	273	455	541	575	516	333	112	129
Ukraine	218	402	447	417	371	284	207	312	480	590
Uzbekistan	...	...	134	151	193	214	183	203	338	261
C.I.S.	2 353	2 978	4 400	5 358	5 898	5 240	3 710	3 307	3 997	4 408

Table 34
(continued)

Imports of Long Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Canada	1 791	2 605	2 660	3 074	2 672	3 021	2 539	2 589	2 758	2 824
Costa Rica	38	28	63	54	91	127	158	163	143	190
Cuba	50	51	65	60	62	37	86	57	54	46
Dominican Republic	88	94	95	97	132	143	252	193	258	274
El Salvador	...	...	25	39	57	68	114	146	129	74
Guatemala	83	80	87	96	169	279	538	276	242	202
Honduras	...	...	25	41	62	72	85	178	138	150
Jamaica	54	53	62	104	80	122	141	111	150	127
Mexico	851	1 152	1 465	1 647	1 524	1 572	1 815	1 615	1 803	1 509
Nicaragua	...	...	21	32	25	44	74	125	78	78
Panama	191	249	315	261	437	425	361	380	277	290
Trinidad and Tobago	60	58	55	61	93	133	124	139	126	127
United States	3 195	4 569	4 568	4 979	5 418	7 147	7 567	7 238	6 864	5 370
Other North America	...	...	87	82	81	98	183	192	211	186
North America	6 400	8 939	9 593	10 626	10 902	13 288	14 035	13 401	13 232	11 448
Argentina	168	397	381	341	334	318	389	228	330	232
Bolivia	...	...	281	277	335	364	359	436	370	388
Brazil	568	1 440	1 046	1 298	1 329	1 358	1 072	580	550	553
Chile	160	581	371	443	472	393	487	437	418	474
Colombia	352	346	496	730	922	946	1 189	1 060	843	1 015
Ecuador	160	145	230	221	251	259	214	215	137	125
Paraguay	...	...	103	75	152	163	112	123	129	169
Peru	368	553	663	695	672	752	808	820	694	891
Uruguay	...	...	75	44	56	73	91	45	46	53
Venezuela	...	91	132	324	170	153	218	67	19	6
Other South America	...	...	20	32	33	32	50	39	42	39
South America	1 776	3 552	3 800	4 481	4 727	4 810	4 989	4 050	3 578	3 946
Algeria	3 504	2 581	3 193	3 732	3 936	4 480	4 460	3 502	1 445	866
Cameroon	85	90	83	120	88	161	195	135	83	81
Egypt	3 089	1 015	584	784	446	1 533	2 538	2 761	552	35
Ghana	237	241	410	342	338	403	409	397	273	301
Ivory Coast	78	105	80	89	140	156	180	205	218	187
Kenya	153	129	231	153	249	416	597	493	280	277
Libya	1 044	660	103	528	574	370	111	74	26	58
Morocco	443	345	468	537	644	685	652	627	561	596
Nigeria	606	355	502	586	553	447	417	324	80	198
Senegal	218	250	304	269	222	280	290	379	347	431
South Africa	106	190	414	281	335	265	349	330	236	185
Sudan	103	43	63	49	58	57	164	193	85	63
Tanzania	143	130	159	137	215	201	222	154	145	209
Tunisia	246	258	299	212	201	261	255	342	271	273
Other Africa	29	23	1 798	2 244	2 449	2 535	2 830	2 289	1 615	1 832
Africa	10 086	6 414	8 692	10 064	10 448	12 249	13 669	12 208	6 218	5 592
Bahrain	26	37	51	46	34	28	61	304	367	304
Iran	2 117	1 875	1 633	650	679	829	592	551	452	193
Iraq	1 490	1 468	1 894	2 614	2 927	1 993	1 620	1 395	1 213	1 591
Israel	579	680	901	1 025	1 236	1 468	1 667	1 943	1 868	2 045
Jordan	418	377	371	417	232	236	339	254	179	185
Kuwait	151	310	251	176	164	255	325	352	135	159
Lebanon	848	685	708	871	1 079	1 195	878	1 175	846	693
Oman	70	100	193	113	148	459	547	521	121	445
Qatar	38	24	55	85	45	74	102	172	138	203
Saudi Arabia	1 116	1 376	1 553	2 147	1 604	1 531	2 092	2 422	1 132	748
Syria	745	365	371	128	51	120	167	137	139	119
United Arab Emirates	2 359	2 280	2 648	2 249	1 908	2 360	2 502	2 374	834	672
Yemen	666	379	274	549	727	747	327	659	765	870
Other Middle East	...	1	...	...	...	0	2	0	0	0
Middle East	10 624	9 957	10 902	11 071	10 833	11 295	11 221	12 258	8 190	8 227

Table 34
(continued)

Imports of Long Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Bangladesh	155	67	109	96	105	210	1 407	670	235	397
China	1 666	1 965	1 812	1 531	1 723	1 835	1 593	1 699	1 789	1 612
Hong Kong	798	1 163	1 333	1 600	2 032	2 571	2 695	2 387	2 156	1 985
India	668	1 008	904	963	881	1 626	2 015	1 423	1 062	1 198
Indonesia	763	1 128	1 251	1 824	2 099	1 907	1 775	1 798	1 564	1 839
Japan	587	742	909	979	963	1 154	970	988	1 002	1 016
D.P.R. Korea (e)	...	...	41	56	52	71	106	86	33	0
South Korea	2 962	4 310	4 492	4 685	4 854	5 489	6 042	6 170	5 230	3 592
Malaysia	796	1 154	1 196	1 612	2 114	2 958	3 454	3 791	2 065	2 378
Myanmar	471	445	420	575	776	1 352	1 475	1 311	1 118	1 136
Pakistan	214	137	145	160	169	400	684	743	535	449
Philippines	691	640	629	257	334	3 175	4 146	3 305	2 273	2 210
Singapore	1 532	1 555	2 144	2 390	2 987	2 814	3 274	2 492	2 093	2 190
Sri Lanka	124	153	161	153	130	196	449	508	230	217
Taiwan, China	419	906	923	867	1 143	1 230	1 067	1 166	1 143	1 253
Thailand	965	1 532	1 669	2 109	2 475	2 787	2 623	2 899	2 384	2 632
Viet Nam	1 234	1 248	1 142	1 271	1 733	2 485	4 130	3 798	1 858	1 718
Other Asia	...	432	704	919	1 045	974	1 819	1 483	1 737	1 895
Asia	14 044	18 584	19 983	22 047	25 616	33 236	39 723	36 715	28 505	27 714
Australia	624	856	833	848	730	855	806	914	1 126	1 077
New Zealand	112	154	119	114	130	138	164	167	172	178
Other Oceania	62	66	55	55	56	62	148	78	68	73
Oceania	798	1 076	1 007	1 017	916	1 054	1 117	1 160	1 366	1 328
World	72 918	83 492	93 985	97 529	101 630	116 299	124 586	122 034	105 593	106 865

Table 35

Exports of Flat Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	3 554	4 089	4 483	4 383	4 573	4 732	4 978	4 812	5 199	4 800
Belgium	10 616	12 777	13 706	12 260	11 923	12 234	13 394	14 608	15 789	15 415
Bulgaria	284	283	357	328	272	314	267	242	307	288
Cyprus	0	0	0	0	0	0	...	0	0	0
Czech Republic	836	1 010	1 116	959	1 107	965	1 011	1 186	1 011	1 086
Denmark	420	554	604	475	499	514	569	643	662	725
Estonia	79	162	230	143	54	63	57	63	82	73
Germany	10 522	12 880	12 748	13 382	12 650	12 993	13 481	13 723	14 695	13 984
Finland	799	1 155	1 213	1 291	1 356	1 491	1 549	1 707	1 742	1 736
France	7 391	8 937	8 261	8 760	9 565	10 395	10 102	9 953	10 568	10 065
Greece	133	146	167	127	135	180	86	88	90	94
Hungary	624	1 031	1 128	1 365	1 347	1 216	1 087	976	1 461	1 643
Ireland	14	8	7	6	8	11	12	21	21	23
Italy	5 070	6 744	7 664	8 341	7 225	7 142	6 698	7 316	7 238	6 905
Latvia	122	198	189	206	225	276	272	322	350	345
Lithuania	33	28	36	36	35	41	44	38	38	36
Luxembourg	545	744	631	534	619	756	682	705	677	704
Malta	0	...	0	...	...	...	0	0	0	0
Netherlands	5 817	7 090	7 367	7 155	6 912	7 817	8 481	8 080	8 278	8 699
Poland	895	883	970	1 333	1 319	1 307	1 358	1 574	2 253	2 055
Portugal	210	216	227	227	295	337	392	431	443	463
Romania	1 407	1 531	1 275	1 312	1 191	1 125	1 448	1 444	1 420	1 411
Slovak Republic	2 787	3 322	3 434	3 398	3 602	3 736	3 597	3 894	3 881	3 878
Slovenia	382	444	541	559	538	571	707	700	744	803
Spain	2 021	2 767	2 452	2 068	1 888	2 268	2 453	2 409	2 033	1 962
Sweden	1 819	2 612	2 714	2 294	2 270	2 371	2 426	2 849	2 975	2 576
United Kingdom	1 742	2 162	2 366	1 728	2 429	2 426	2 118	1 512	1 805	1 550
European Union (28)	58 124	71 772	73 886	72 669	72 038	75 282	77 271	79 295	83 765	81 321
Macedonia	112	...	450	321	237	290	286	321	363	346
Norway	64	70	77	77	70	67	69	74	67	60
Serbia	872	1 221	953	252	277	418	717	849	973	1 288
Switzerland	121	143	154	131	114	113	113	94	100	100
Turkey	1 648	1 520	2 299	1 863	2 379	2 501	2 437	3 093	4 293	6 109
Other Europe	2	2	15	17	20	25	26	33	23	31
Other Europe	2 819	2 955	3 948	2 661	3 098	3 414	3 649	4 464	5 819	7 935
Byelorussia	4	5	5	9	28	21	12	16	18	16
Kazakhstan	2 564	1 918	1 658	823	837	1 090	1 255	1 692	1 009	640
Russia	9 164	8 170	7 830	7 669	7 017	8 341	9 041	9 712	9 378	9 218
Ukraine	6 061	6 565	7 561	6 562	6 752	6 275	4 940	5 298	4 968	5 157
Other C.I.S.	1	1	3	3	1	5	2	4	3	8
C.I.S.	17 793	16 658	17 057	15 066	14 635	15 733	15 251	16 721	15 377	15 038
Canada	2 374	2 855	2 761	2 957	3 037	3 256	3 207	3 409	3 581	3 839
Mexico	1 159	1 358	1 399	1 099	1 308	1 255	1 007	1 126	1 130	1 181
United States	4 998	6 490	6 807	6 734	6 591	6 545	6 049	5 868	6 588	5 275
Other North America	...	...	5	4	4	12	206	245	295	197
North America	8 532	10 702	10 973	10 794	10 940	11 069	10 470	10 648	11 594	10 493
Argentina	439	277	186	190	177	188	144	150	161	14
Brazil	2 406	2 353	2 183	1 960	1 513	2 146	3 518	2 982	3 592	2 532
Chile	17	16	15	11	12	11	8	9	8	23
Colombia	134	138	114	92	77	75	39	46	53	43
Venezuela	...	142	581	98	80	19	72	27	0	11
Other South America	9	5	13	11	6	5	8	5	5	6
South America	3 006	2 931	3 091	2 361	1 865	2 445	3 789	3 219	3 820	2 630

Table 35
(continued)

Exports of Flat Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Egypt	743	776	777	474	1 141	770	135	606	987	921
Libya	...	...	54	10	7	...	0	2	17	48
Morocco	...	...	100	88	77	43	31	95	126	80
South Africa	1 546	1 830	1 813	1 477	1 221	1 630	1 360	1 490	1 384	1 512
Other Africa	...	...	123	65	49	36	14	4	5	81
Africa	2 290	2 606	2 867	2 114	2 495	2 479	1 540	2 198	2 519	2 642
Iran	...	...	205	225	248	695	1 179	1 631	627	995
Qatar	...	...	34	3	0	0	0	1	0	1
Saudi Arabia	...	...	544	85	88	32	61	651	418	405
United Arab Emirates	...	...	329	75	48	80	58	1 559	909	698
Other Middle East	11	15	37	16	3	3	2	12	22	42
Middle East	11	15	1 149	404	387	811	1 299	3 853	1 977	2 141
China	11 843	24 812	26 585	26 966	27 642	43 671	48 465	48 127	43 239	40 302
Hong Kong	971	1 180	1 002	881	742	769	595	557	506	405
India	2 747	3 097	4 985	4 445	6 369	5 899	4 373	5 791	9 749	5 513
Indonesia	541	539	507	255	147	448	487	552	927	2 095
Japan	21 804	29 423	27 741	28 136	28 504	27 783	28 589	28 812	26 119	25 166
South Korea	14 945	17 547	20 609	21 625	20 800	23 132	24 831	24 430	23 611	23 285
Malaysia	533	524	487	391	350	428	495	596	710	698
Singapore	769	866	1 120	1 059	1 068	800	504	494	473	550
Taiwan, China	7 414	7 728	8 297	8 587	9 251	9 683	9 229	9 709	9 834	9 966
Thailand	593	482	278	249	251	243	211	297	428	451
Viet Nam	...	...	819	796	915	1 097	1 154	1 869	2 326	3 150
Other Asia	488	892	536	670	457	443	439	407	369	463
Asia	62 649	87 090	92 967	94 060	96 497	114 396	119 372	121 642	118 293	112 043
Australia	754	1 491	1 187	443	438	447	579	529	809	724
New Zealand	...	331	361	327	368	208	273	159	161	200
Other Oceania	...	...	0	0	0	0	0	0	0	0
Oceania	754	1 821	1 549	770	806	655	852	688	970	923
World	155 978	196 551	207 486	200 899	202 761	226 284	233 494	242 729	244 133	235 166

Table 36

Imports of Flat Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	1 392	1 687	2 006	1 840	1 718	1 806	1 933	2 017	2 205	2 197
Belgium	5 390	6 472	7 674	5 921	6 472	6 805	7 809	8 710	9 359	9 195
Bulgaria	325	434	622	613	659	649	808	845	888	857
Cyprus	40	42	36	23	25	23	27	26	25	33
Czech Republic	2 615	3 368	3 633	3 715	3 665	3 766	3 844	3 991	4 311	4 364
Denmark	785	836	1 120	1 109	1 063	1 037	1 106	1 102	1 088	1 096
Estonia	193	355	456	357	283	293	281	328	376	379
Germany	9 671	12 398	13 140	12 527	12 353	13 009	13 716	14 787	14 955	14 686
Finland	336	451	501	453	441	398	367	391	419	412
France	6 416	7 900	8 005	7 082	7 197	7 350	7 386	7 813	8 436	8 247
Greece	1 094	1 025	1 022	822	853	907	823	1 026	1 006	1 218
Hungary	477	790	863	872	1 008	1 113	1 136	1 330	1 550	1 614
Ireland	132	151	166	164	166	197	208	219	231	221
Italy	7 282	9 402	10 068	7 748	9 376	10 165	12 491	12 206	12 147	12 266
Latvia	177	304	320	351	389	459	457	608	473	582
Lithuania	164	166	207	204	222	234	240	247	279	281
Luxembourg	628	781	710	648	742	773	730	786	754	791
Malta	6	7	5	4	6	6	5	5	5	3
Netherlands	2 679	3 213	3 258	3 153	3 055	3 247	3 343	3 665	3 972	4 826
Poland	3 663	4 446	5 057	5 115	5 085	5 855	6 153	6 837	6 977	7 467
Portugal	1 128	1 440	1 325	1 242	1 618	1 706	1 919	1 969	2 085	2 206
Romania	950	1 152	1 239	1 240	1 217	1 390	1 389	1 481	1 659	1 548
Slovak Republic	740	1 094	1 157	1 163	1 367	1 436	1 544	1 699	1 779	1 826
Slovenia	672	719	809	724	727	780	947	991	1 054	1 164
Spain	4 100	5 949	5 925	5 265	5 254	5 598	6 315	6 513	7 028	7 369
Sweden	1 392	2 038	2 286	2 065	1 889	1 718	1 586	1 957	2 210	2 263
United Kingdom	2 362	3 161	3 539	3 536	3 107	3 680	3 615	4 084	4 137	3 923
European Union (28)	54 811	69 779	75 149	67 957	69 959	74 401	80 177	85 633	89 410	91 036
Albania	...	...	59	59	47	51	72	61	76	98
Bosnia-Herzegovina	...	...	185	173	137	129	151	206	216	216
Croatia	...	...	327	298	309	321	382	416	369	359
Iceland	...	...	9	10	29	10	14	13	12	11
Macedonia	...	...	229	212	181	206	311	427	339	316
Montenegro	...	...	7	5	11	10	15	12	46	22
Norway	337	381	409	396	331	347	309	326	318	296
Serbia	165	113	131	238	297	294	298	233	304	360
Switzerland	762	1 069	1 165	1 051	1 027	1 040	961	974	995	1 014
Turkey	5 580	6 833	6 428	6 446	7 117	6 730	8 608	8 666	9 017	7 492
Other Europe	...	...	42	41	40	37	50	39	36	32
Other Europe	6 844	8 395	8 991	8 930	9 525	9 174	11 169	11 372	11 729	10 215
Armenia	...	...	22	22	23	26	20	26	35	42
Azerbaijan	...	...	184	271	367	380	238	248	240	216
Byelorussia	759	1 105	1 107	1 175	1 151	922	732	782	879	933
Georgia	...	...	109	148	132	162	125	155	185	186
Kazakhstan	231	165	126	205	182	469	175	184	201	153
Kyrgyzstan	...	...	85	115	140	141	103	96	86	94
Moldova	...	...	37	37	40	46	45	50	52	55
Russia	2 182	2 594	3 437	3 432	2 950	3 391	2 664	2 785	3 913	3 712
Tajikistan	...	...	40	68	98	99	111	116	119	142
Turkmenistan	...	...	23	31	48	46	37	34	27	21
Ukraine	498	830	934	1 007	1 209	785	530	727	796	808
Uzbekistan	...	...	379	479	621	716	624	597	799	1 006
C.I.S.	3 669	4 693	6 482	6 989	6 962	7 182	5 404	5 802	7 331	7 365

Table 36
(continued)

Imports of Flat Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Canada	2 909	4 258	3 934	3 853	3 912	4 546	3 630	3 744	3 802	3 623
Costa Rica	149	245	265	265	273	289	293	348	340	378
Cuba	59	96	130	79	98	71	155	96	102	82
Dominican Republic	68	170	146	127	158	155	219	170	228	244
El Salvador	...	...	144	137	183	157	194	222	232	255
Guatemala	141	275	344	257	316	297	350	411	465	365
Honduras	...	...	109	164	126	159	204	226	289	241
Jamaica	9	11	9	14	16	12	11	15	20	20
Mexico	3 106	4 714	4 537	5 854	5 437	6 118	6 773	6 826	8 131	7 362
Nicaragua	...	...	48	60	39	62	86	89	71	44
Panama	104	135	122	95	167	160	160	137	181	152
Trinidad and Tobago	49	59	48	63	57	69	66	51	62	49
United States	5 661	7 561	8 753	10 179	9 824	15 640	14 734	12 687	12 545	11 522
Other North America	...	...	32	42	42	41	46	54	70	61
North America	12 255	17 526	18 620	21 189	20 647	27 777	26 922	25 076	26 540	24 399
Argentina	250	422	492	518	400	396	627	371	632	471
Bolivia	...	...	51	64	48	58	31	182	149	79
Brazil	1 546	4 134	2 358	2 101	1 989	2 315	1 839	904	1 529	1 499
Chile	392	1 001	831	1 082	1 009	1 174	1 253	1 190	1 314	1 332
Colombia	812	1 239	1 265	1 356	1 193	1 536	1 304	1 313	1 267	1 308
Ecuador	221	534	618	628	722	713	689	602	850	604
Paraguay	...	...	156	76	122	186	180	186	226	274
Peru	339	789	681	854	682	839	781	890	794	821
Uruguay	...	...	88	64	111	102	95	81	98	89
Venezuela	...	204	201	388	280	311	293	78	29	7
Other South America	...	...	33	28	38	33	36	28	31	34
South America	3 561	8 322	6 774	7 158	6 593	7 662	7 128	5 825	6 920	6 518
Algeria	290	344	459	678	709	956	1 065	862	936	697
Cameroon	22	30	40	44	56	55	55	68	61	74
Egypt	422	813	668	901	855	1 212	1 375	1 633	1 808	168
Ghana	105	195	297	279	298	282	328	320	308	327
Ivory Coast	61	93	106	105	111	124	152	179	170	189
Kenya	103	535	819	623	826	712	850	845	836	882
Libya	22	45	8	92	185	130	116	55	28	42
Morocco	146	377	332	299	347	350	470	308	381	404
Nigeria	681	748	984	922	1 206	1 069	939	740	737	959
Senegal	36	80	87	76	77	84	101	105	97	134
South Africa	412	524	587	646	1 088	850	1 149	912	786	676
Sudan	110	183	205	240	205	199	279	314	338	216
Tanzania	43	180	258	248	339	310	382	337	338	407
Tunisia	163	395	378	299	318	292	272	265	294	383
Other Africa	11	13	1 214	1 282	1 526	1 605	1 727	1 724	1 652	1 794
Africa	2 623	4 555	6 441	6 735	8 146	8 231	9 258	8 671	8 771	7 352
Bahrain	25	101	65	52	29	25	37	65	97	78
Iran	1 993	3 709	3 980	2 049	1 728	3 024	4 140	3 533	2 280	1 309
Iraq	47	111	180	313	433	442	478	548	546	579
Israel	382	674	680	714	804	676	784	808	777	777
Jordan	206	378	281	367	235	269	256	415	331	379
Kuwait	86	280	334	243	200	234	321	302	276	390
Lebanon	200	422	353	284	248	259	289	303	303	234
Oman	51	160	176	257	183	247	292	391	422	445
Qatar	39	33	59	49	75	79	100	140	178	265
Saudi Arabia	762	1 696	2 056	2 557	2 056	2 736	2 815	2 646	2 110	2 025
Syria	437	631	616	210	56	84	86	77	110	124
United Arab Emirates	1 026	2 045	2 108	2 371	2 151	2 684	2 772	3 004	3 255	2 935
Yemen	78	86	62	82	90	116	62	115	100	113
Other Middle East	...	0	...	...	...	...	1	0	0	0
Middle East	5 332	10 325	10 950	9 548	8 288	10 873	12 432	12 348	10 785	9 653

Table 36
(continued)

Imports of Flat Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Bangladesh	489	1 161	1 078	1 118	1 265	1 507	2 020	2 394	2 177	2 461
China	15 275	13 921	13 202	11 666	11 885	12 082	10 774	11 081	11 062	11 107
Hong Kong	1 558	1 740	1 336	1 140	1 052	996	762	715	694	587
India	6 434	7 289	6 896	6 868	5 648	6 744	9 829	7 119	6 573	6 259
Indonesia	2 280	3 261	4 327	5 117	5 231	4 556	4 336	4 745	5 136	5 402
Japan	2 180	3 339	4 097	4 100	3 908	4 884	4 423	4 474	4 653	4 329
D.P.R. Korea (e)	...	...	55	50	61	79	96	131	116	0
South Korea	11 317	13 476	13 147	11 983	10 783	12 861	11 784	12 832	10 962	8 611
Malaysia	2 432	3 120	2 951	3 187	3 463	3 563	3 748	4 371	4 486	4 665
Myanmar	202	246	326	342	412	600	674	789	620	694
Pakistan	959	1 432	1 282	1 663	1 690	1 926	2 456	3 321	3 084	2 765
Philippines	1 182	2 014	2 277	944	1 118	2 926	2 752	2 691	2 710	3 045
Singapore	1 404	1 717	2 269	1 938	2 172	1 728	1 206	1 216	996	1 214
Sri Lanka	97	140	151	181	176	219	260	323	343	351
Taiwan, China	1 714	2 782	2 397	2 467	2 902	3 350	2 827	2 837	2 565	2 274
Thailand	3 845	6 307	6 836	8 428	9 029	8 347	8 135	8 970	8 415	8 768
Viet Nam	2 558	5 668	5 603	5 738	7 526	9 090	11 100	14 562	13 588	11 870
Other Asia	...	286	701	784	634	999	1 625	1 152	1 214	1 378
Asia	53 927	67 897	68 931	67 712	68 956	76 456	78 805	83 722	79 396	75 783
Australia	744	993	896	980	629	808	714	634	671	661
New Zealand	94	118	122	129	142	145	138	148	132	111
Other Oceania	48	31	37	39	44	34	89	85	67	66
Oceania	887	1 141	1 054	1 147	816	987	941	867	870	838
World	143 909	192 634	203 393	197 366	199 892	222 742	232 236	239 317	241 750	233 158

Table 37

Exports of Tubular Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	524	674	830	777	759	802	657	591	764	791
Belgium	390	372	406	340	344	310	274	335	349	368
Bulgaria	84	74	91	101	103	119	171	226	522	451
Cyprus	0	0	0	1	1	1	1	0	4	0
Czech Republic	409	506	541	562	566	628	577	539	562	584
Denmark	75	75	94	91	68	83	141	74	68	66
Estonia	10	11	14	13	13	16	14	15	21	24
Germany	2 769	3 222	4 256	3 298	2 700	2 509	2 419	2 675	2 528	2 979
Finland	46	622	952	51	30	34	33	31	32	162
France	828	927	1 213	995	880	723	584	417	436	450
Greece	256	234	297	208	158	180	323	194	235	477
Hungary	74	98	108	146	168	137	125	128	141	138
Ireland	6	8	8	9	10	14	17	40	22	20
Italy	2 816	3 114	3 451	3 441	3 209	3 533	3 411	3 573	3 548	3 696
Latvia	24	27	38	30	47	58	62	62	56	66
Lithuania	14	12	20	21	25	27	31	37	44	43
Luxembourg	1	1	1	1	1	1	2	2	4	4
Malta	0	0	0	0	0	1	0	0	7	0
Netherlands	614	564	669	522	495	526	593	493	618	586
Poland	272	301	321	366	349	386	398	421	447	492
Portugal	94	118	112	119	156	170	202	200	208	215
Romania	309	497	592	584	586	652	593	528	623	646
Slovak Republic	226	249	287	313	292	325	284	296	301	296
Slovenia	62	33	48	20	14	22	20	22	32	70
Spain	480	632	740	727	719	738	602	621	746	737
Sweden	161	202	1 432	709	116	113	99	94	92	88
United Kingdom	681	540	637	690	546	547	538	552	455	449
European Union (28)	11 227	13 112	17 157	14 138	12 355	12 653	12 169	12 169	12 862	13 899
Macedonia	62	...	127	120	113	110	124	167	189	200
Norway	49	53	41	61	43	63	49	56	49	44
Serbia	44	24	21	19	26	29	30	45	58	63
Switzerland	176	224	247	234	226	231	250	240	239	237
Turkey	1 523	1 664	1 651	1 900	1 851	1 864	1 354	1 724	1 868	1 987
Other Europe	33	70	117	52	37	18	19	32	28	29
Other Europe	1 886	2 035	2 204	2 387	2 296	2 313	1 827	2 264	2 431	2 561
Azerbaijan	...	...	89	46	49	31	11	7	44	54
Byelorussia	111	189	234	229	236	228	206	204	234	259
Kazakhstan	65	55	38	40	31	57	46	10	7	11
Russia	1 304	754	906	972	625	1 618	1 231	1 307	2 156	2 475
Ukraine	1 381	1 291	1 648	1 536	1 177	966	600	508	632	659
Other C.I.S.	5	4	12	10	33	27	24	8	7	12
C.I.S.	2 866	2 293	2 928	2 832	2 153	2 927	2 118	2 044	3 079	3 472
Canada	754	979	1 032	1 121	1 058	1 028	994	735	966	1 031
Mexico	562	795	914	969	1 104	1 238	896	1 018	1 652	1 302
United States	1 398	1 601	1 823	2 108	2 087	1 947	1 369	1 070	1 268	1 123
Other North America	...	...	19	23	24	21	25	136	84	102
North America	2 714	3 375	3 787	4 221	4 273	4 235	3 285	2 958	3 970	3 558
Argentina	465	573	651	596	497	507	166	191	432	88
Brazil	218	200	244	235	335	410	346	275	520	698
Chile	7	13	21	18	11	5	6	4	10	4
Colombia	41	49	65	76	32	21	20	13	25	49
Venezuela	...	3	1	0	0	0	0	0	0	2
Other South America	1	2	34	37	47	47	38	56	63	71
South America	732	840	1 015	962	922	990	576	539	1 050	913

Table 37
(continued) **Exports of Tubular Products**

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
South Africa	106	138	148	137	131	178	166	109	201	288
Other Africa	12	4	101	64	87	66	25	24	23	23
Africa	118	142	249	201	219	244	191	133	224	311
Iran	...	...	1	2	3	0	1	128	114	255
Qatar	...	...	9	2	0	0	0	0	0	1
Saudi Arabia	...	...	99	94	86	60	61	358	312	240
United Arab Emirates	...	...	132	101	111	143	185	266	321	302
Other Middle East	9	10	176	92	96	92	52	84	119	137
Middle East	9	10	417	290	296	297	298	836	865	934
China	6 299	7 271	9 401	9 931	10 061	10 504	10 286	10 102	9 241	9 269
Hong Kong	27	22	27	32	27	33	29	23	23	17
India	1 476	2 235	2 047	1 989	1 430	1 463	1 215	1 345	1 602	1 251
Indonesia	262	490	477	527	368	465	782	150	286	248
Japan	2 061	2 825	2 802	2 937	2 715	2 894	1 745	1 730	1 915	1 750
South Korea	1 220	2 122	2 617	3 070	3 085	3 975	2 352	2 301	3 260	2 198
Malaysia	970	476	702	817	717	1 163	812	280	508	255
Singapore	504	509	571	569	555	463	303	248	336	281
Taiwan, China	321	478	534	504	505	578	452	430	620	697
Thailand	217	295	277	362	297	276	255	256	362	404
Viet Nam	...	...	161	348	329	223	234	362	507	656
Other Asia	72	155	614	662	507	435	212	237	308	394
Asia	13 428	16 878	20 230	21 748	20 597	22 472	18 677	17 464	18 969	17 420
Australia	43	40	38	45	38	45	61	65	39	42
New Zealand	...	6	5	6	7	5	4	7	3	5
Other Oceania	...	...	0	0	0	0	0	0	0	2
Oceania	43	46	43	51	45	50	66	71	43	49
World	33 024	38 732	48 031	46 830	43 156	46 179	39 206	38 480	43 493	43 119

Table 38

Imports of Tubular Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	474	364	441	370	366	328	327	316	327	359
Belgium	553	580	630	531	502	492	476	514	673	571
Bulgaria	50	53	59	67	75	504	144	254	86	89
Cyprus	14	9	7	7	14	6	6	7	42	84
Czech Republic	293	367	490	394	419	483	533	513	553	565
Denmark	191	206	258	276	201	219	223	223	244	219
Estonia	37	62	71	68	62	69	60	80	81	112
Germany	1 595	1 989	2 333	2 022	1 903	2 026	2 026	2 257	2 185	2 214
Finland	263	504	412	147	139	146	141	142	985	469
France	972	1 146	1 270	1 186	1 153	1 111	1 088	1 150	1 251	1 297
Greece	79	46	35	43	59	82	72	133	106	101
Hungary	153	174	167	154	173	182	196	219	246	253
Ireland	53	64	62	59	57	76	86	86	104	128
Italy	636	699	863	728	742	802	780	765	969	923
Latvia	30	47	57	54	80	72	62	60	71	93
Lithuania	43	58	80	86	91	122	116	119	148	154
Luxembourg	7	6	9	7	8	6	8	10	9	14
Malta	2	3	2	2	3	3	7	3	3	3
Netherlands	636	650	782	742	649	681	592	638	778	969
Poland	372	471	564	616	591	621	634	744	885	971
Portugal	153	109	99	94	108	121	121	119	141	137
Romania	211	218	271	259	258	309	310	338	384	492
Slovak Republic	117	156	173	168	176	217	225	220	222	228
Slovenia	74	82	110	77	77	82	92	99	103	108
Spain	463	450	436	337	366	445	506	489	530	637
Sweden	610	761	1 134	681	287	328	287	313	343	887
United Kingdom	661	789	957	902	777	944	906	988	1 030	816
European Union (28)	8 742	10 062	11 772	10 080	9 335	10 477	10 024	10 797	12 498	12 896
Albania	...	...	22	19	22	29	17	125	53	19
Bosnia-Herzegovina	...	...	21	18	24	33	38	61	68	49
Croatia	...	...	63	68	81	81	92	107	103	104
Iceland	...	...	4	6	15	5	9	11	10	7
Macedonia	...	...	4	4	3	5	12	8	11	10
Montenegro	...	...	3	2	4	4	6	7	9	9
Norway	312	181	268	282	283	711	360	306	467	413
Serbia	48	70	79	92	75	78	77	79	84	92
Switzerland	147	157	167	167	178	183	197	198	197	201
Turkey	234	309	356	375	435	422	542	502	503	480
Other Europe	...	...	5	8	16	14	10	12	8	11
Other Europe	741	717	992	1 041	1 135	1 565	1 359	1 414	1 513	1 396
Armenia	...	...	3	11	4	6	14	17	20	23
Azerbaijan	...	...	219	276	275	218	261	121	132	208
Byelorussia	248	334	280	319	327	282	237	230	264	304
Georgia	...	...	56	70	63	89	71	88	97	92
Kazakhstan	1 201	366	334	509	609	701	271	201	147	163
Kyrgyzstan	...	...	33	43	47	50	68	52	54	50
Moldova	...	...	29	26	35	39	33	27	30	29
Russia	553	1 247	1 611	814	807	739	439	550	780	628
Tajikistan	...	...	10	9	13	23	20	24	10	16
Turkmenistan	...	...	277	534	238	363	244	180	93	83
Ukraine	41	65	85	85	98	60	49	71	94	129
Uzbekistan	...	...	104	177	335	209	95	81	195	257
C.I.S.	2 042	2 011	3 041	2 872	2 850	2 776	1 802	1 643	1 916	1 982

Table 38
(continued) **Imports of Tubular Products**

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Canada	1 294	1 796	1 998	2 203	2 003	2 140	1 562	1 128	1 656	1 788
Costa Rica	15	21	24	21	30	28	41	91	71	65
Cuba	20	26	18	28	24	21	29	33	18	15
Dominican Republic	9	25	27	16	17	25	50	38	40	39
El Salvador	...	...	4	3	6	8	5	13	21	19
Guatemala	10	14	21	16	21	24	18	93	27	26
Honduras	...	...	5	4	5	11	7	9	20	7
Jamaica	4	5	8	6	4	8	6	6	20	11
Mexico	347	476	525	668	725	788	800	729	998	552
Nicaragua	...	...	3	3	7	5	11	9	11	8
Panama	36	48	52	33	107	86	65	61	106	83
Trinidad and Tobago	200	27	37	54	42	53	41	32	39	39
United States	4 367	5 408	6 734	8 349	7 488	8 493	6 952	4 567	8 039	7 213
Other North America	...	...	41	20	27	36	25	29	27	28
North America	6 302	7 846	9 496	11 424	10 507	11 726	9 612	6 838	11 094	9 892
Argentina	132	54	109	100	67	72	60	43	61	60
Bolivia	...	...	47	39	37	41	37	23	29	27
Brazil	183	245	304	314	319	221	168	105	116	120
Chile	103	129	161	234	169	157	160	145	159	189
Colombia	279	314	540	408	371	389	244	172	256	332
Ecuador	109	115	225	190	187	275	113	77	82	110
Paraguay	...	...	13	10	15	17	11	11	15	30
Peru	114	189	270	164	192	205	324	195	167	225
Uruguay	...	...	16	16	22	37	28	29	32	30
Venezuela	...	173	307	439	530	428	205	170	78	29
Other South America	...	...	17	18	14	20	23	14	17	37
South America	920	1 219	2 011	1 933	1 923	1 860	1 372	985	1 012	1 191
Algeria	1 313	711	279	289	367	323	413	502	450	387
Cameroon	55	34	34	52	72	49	24	21	14	28
Egypt	419	316	306	348	326	328	392	803	393	212
Ghana	42	32	70	90	59	80	139	111	120	122
Ivory Coast	12	9	5	10	14	20	12	11	24	22
Kenya	16	31	38	31	70	39	76	24	31	38
Libya	195	220	46	60	94	42	10	13	10	10
Morocco	38	29	64	50	57	61	64	64	56	66
Nigeria	200	198	243	184	331	324	222	78	152	324
Senegal	7	8	8	9	13	20	23	31	29	25
South Africa	96	108	140	149	193	134	127	112	125	130
Sudan	96	83	64	43	42	40	49	21	22	28
Tanzania	8	13	23	19	158	75	36	20	29	76
Tunisia	54	50	30	29	26	59	75	31	41	38
Other Africa	11	15	465	592	630	686	567	412	388	376
Africa	2 563	1 858	1 814	1 954	2 453	2 278	2 230	2 255	1 884	1 883
Bahrain	22	23	64	75	17	37	27	42	77	58
Iran	817	866	837	845	395	399	336	340	312	247
Iraq	376	716	595	1 051	1 093	670	778	522	604	567
Israel	67	100	192	115	108	165	134	187	172	177
Jordan	20	182	112	27	22	24	28	60	32	64
Kuwait	176	728	536	367	308	237	353	808	716	564
Lebanon	16	14	14	20	23	28	28	37	29	24
Oman	206	140	241	334	281	257	338	498	424	367
Qatar	195	70	105	151	87	106	89	114	147	243
Saudi Arabia	426	770	786	884	1 001	1 150	641	1 057	1 083	744
Syria	164	109	88	30	7	24	33	27	26	30
United Arab Emirates	904	1 126	1 001	1 258	1 362	1 448	1 298	1 288	993	851
Yemen	41	51	18	22	41	37	13	27	27	35
Other Middle East	...	0	0	0	2	2	0	0	0	0
Middle East	3 430	4 896	4 590	5 179	4 748	4 585	4 096	5 008	4 644	3 971

Table 38
(continued)

Imports of Tubular Products

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Bangladesh	63	54	44	97	58	53	77	70	124	246
China	683	531	563	454	461	510	412	423	442	443
Hong Kong	128	161	200	213	204	247	213	186	176	188
India	508	674	813	642	576	657	643	752	658	916
Indonesia	565	804	831	1 264	1 129	856	718	630	548	665
Japan	181	209	275	314	312	362	303	303	298	297
D.P.R. Korea (e)	...	...	17	18	19	25	31	37	29	0
South Korea	522	685	874	862	903	882	809	763	705	648
Malaysia	513	717	729	851	951	867	395	652	835	563
Myanmar	68	164	432	506	211	180	248	271	257	241
Pakistan	78	53	56	88	141	129	257	255	179	182
Philippines	130	210	233	94	113	230	328	213	190	448
Singapore	850	887	932	991	917	858	626	522	485	592
Sri Lanka	28	42	43	35	39	32	41	42	34	26
Taiwan, China	119	181	233	199	201	190	198	190	184	204
Thailand	375	423	575	642	661	799	679	780	671	722
Viet Nam	225	340	295	301	307	418	499	361	353	387
Other Asia	...	125	2 732	1 056	504	499	700	302	364	469
Asia	5 036	6 259	9 880	8 627	7 707	7 794	7 178	6 752	6 532	7 238
Australia	735	693	607	1 048	844	1 281	1 344	369	465	549
New Zealand	53	59	60	77	78	91	80	81	88	89
Other Oceania	15	17	24	21	34	38	45	27	26	25
Oceania	803	770	691	1 146	955	1 410	1 468	477	579	662
World	30 580	35 638	44 287	44 255	41 612	44 472	39 142	36 168	41 672	41 111

Table 39

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria (1)	3 540	4 002	4 440	4 171	4 066	4 111	4 453	4 366	4 661	4 767
Belgium-Luxembourg (1)	4 230	4 854	5 299	4 472	4 412	4 551	4 557	4 617	4 797	4 883
Bulgaria	785	833	1 127	1 008	1 100	1 526	1 368	1 460	1 102	1 276
Croatia	828	782	702	663	684	675	720	922	947	761
Cyprus	327	366	248	173	139	115	153	164	265	360
Czech Republic (1)	5 207	6 379	6 985	6 747	6 765	7 145	7 600	7 600	8 100	8 500
Denmark	990	1 129	1 530	1 528	1 518	1 521	1 564	1 655	1 583	1 598
Estonia	187	313	375	340	350	365	341	462	506	569
Finland (1)	1 715	1 540	1 225	2 104	1 888	1 875	1 875	1 872	2 170	2 151
France	12 290	15 454	16 304	14 130	14 566	14 472	14 521	15 251	15 771	15 870
Germany (1)	29 100	40 479	45 141	40 829	41 700	43 110	42 433	42 750	43 326	41 884
Greece	2 712	2 055	1 545	1 097	1 230	1 387	1 097	1 626	1 445	1 447
Hungary (1)	1 764	2 420	2 173	1 959	2 144	2 400	2 702	2 928	3 060	3 199
Ireland	382	453	425	436	433	513	605	603	715	759
Italy (1)	21 280	27 212	28 143	22 810	23 218	23 244	25 957	25 157	26 644	27 837
Latvia	290	393	622	214	230	344	293	363	261	482
Lithuania	282	381	472	493	558	631	604	716	722	794
Malta	48	60	36	35	33	42	46	45	37	60
Netherlands (1)	3 662	4 285	4 869	4 996	4 707	4 012	4 423	5 370	5 318	6 041
Poland	8 414	10 309	11 635	10 986	11 241	12 955	13 632	14 049	15 126	16 600
Portugal	2 455	2 659	2 361	2 144	2 509	2 240	2 479	2 405	2 601	3 000
Romania	2 827	3 511	4 025	3 549	3 522	4 085	4 266	4 339	4 475	4 882
Slovak Republic (1)	1 566	2 033	2 082	2 078	2 279	2 419	2 515	2 547	2 755	2 940
Slovenia	957	1 083	1 121	981	968	1 002	1 059	1 132	1 141	1 222
Spain (1)	12 500	14 100	14 000	11 510	11 873	12 449	13 633	13 523	13 648	15 392
Sweden (1)	2 801	3 970	4 244	3 819	3 915	3 695	3 878	4 452	4 743	4 670
United Kingdom (1)	8 832	11 297	11 706	11 125	10 990	11 789	11 883	12 023	12 016	11 934
European Union (28)	129 971	162 350	172 836	154 396	157 036	162 675	168 659	172 397	177 936	183 880
Albania	622	516	566	648	631	603	328	462	265	245
Bosnia-Herzegovina	473	521	536	512	541	533	516	723	765	819
Iceland	33	36	37	39	111	38	54	65	63	69
Macedonia	288	303	149	82	61	197	233	425	222	209
Montenegro	91	124	121	118	84	157	192	182	235	152
Norway	991	904	1 133	1 074	1 024	1 529	1 104	1 081	1 245	1 226
Serbia	828	477	642	496	427	520	704	865	1 056	1 380
Switzerland	2 065	2 615	2 805	2 871	2 959	2 949	2 750	2 982	2 902	3 020
Turkey (1)	19 198	25 131	28 665	30 286	33 305	32 750	36 570	36 250	38 219	32 536
Other Europe	101	114	137	123	141	130	220	129	160	136
Other Europe	24 690	30 741	34 790	36 248	39 283	39 407	42 670	43 164	45 131	39 792
Azerbaijan	826	934	988	1 187	1 453	1 468	1 060	652	617	811
Byelorussia	1 946	2 747	2 655	2 778	2 764	2 292	1 810	1 800	2 120	2 176
Georgia	207	215	220	289	148	251	348	419	374	474
Kazakhstan (1)	2 930	2 339	2 475	3 090	3 878	3 064	2 982	2 572	2 922	2 776
Moldova	263	134	225	186	222	203	313	96	229	175
Russia (1)	28 477	41 444	47 981	49 488	49 671	49 423	44 746	43 424	44 396	44 728
Ukraine (1)	4 474	6 305	7 307	7 057	6 331	4 763	3 786	4 879	5 253	5 321
Uzbekistan	1 629	1 358	1 387	1 604	1 971	2 025	1 842	1 834	2 459	2 700
Other C.I.S.	1 228	881	1 003	1 792	1 752	1 814	1 657	1 319	957	1 114
C.I.S.	41 980	56 357	64 239	67 471	68 190	65 302	58 544	56 996	59 327	60 277
Canada (1)	10 591	15 656	15 746	17 305	16 445	17 527	14 372	15 014	16 812	16 889
Costa Rica (2)	523	564	659	760	879	877	969	894	918	820
Cuba (2)	109	140	140	150	158	165	160	151	152	155
Dominican Republic (2)	278	360	303	381	412	573	473	484	523	581
El Salvador (2)	95	243	290	304	303	341	360	357	338	439
Guatemala (2)	271	350	358	718	817	1 118	1 176	1 054	1 019	970
Honduras (2)	113	92	204	239	184	198	393	356	360	321
Mexico (1)	17 565	20 648	23 140	23 714	22 904	26 160	27 848	28 503	29 587	28 471
Nicaragua (2)	81	53	77	113	119	125	120	114	114	118
Panama (2)	377	455	232	273	648	626	553	588	489	489
Trinidad and Tobago (2)	264	342	303	318	334	351	338	320	322	332
United States (1)	69 400	92 400	101 000	108 300	106 300	121 600	108 333	102 570	109 664	111 981
Other North America	1 041	729	268	308	306	338	425	447	538	464
North America	100 709	132 032	142 719	152 883	149 809	169 999	155 520	150 852	160 836	162 030

Table 39
(continued)

Apparent Steel Use
(crude steel equivalent)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Argentina (1)	3 652	5 268	6 087	5 582	5 775	5 712	5 991	4 796	5 610	5 502
Bolivia (2)	98	127	130	130	566	673	629	679	578	545
Brazil (1)	20 640	29 004	28 993	29 526	31 131	28 451	23 662	20 578	21 693	23 563
Chile (2)	1 960	2 738	3 148	3 457	3 105	3 031	3 215	3 172	3 171	3 150
Colombia (2)	2 481	3 134	3 603	3 926	4 393	4 980	5 078	4 610	4 484	4 579
Ecuador (2)	1 222	1 454	2 047	1 760	2 262	1 942	1 989	1 831	2 026	2 108
Paraguay (2)	143	237	276	244	256	269	260	340	362	516
Peru (2)	1 854	2 832	2 833	3 130	3 235	3 392	4 084	3 820	4 280	4 730
Uruguay (2)	125	168	231	261	243	236	249	210	185	193
Venezuela (1)	3 270	2 786	3 216	3 707	3 550	2 526	2 271	926	624	512
Other South America	50	25	77	84	92	92	117	88	96	117
South America	35 494	47 773	50 641	51 806	54 608	51 303	47 545	41 051	43 109	45 516
Algeria (1)	4 752	3 403	4 208	5 160	6 268	6 858	6 656	6 320	6 459	6 031
Angola	1 014	679	843	1 113	1 091	1 108	834	318	223	229
Benin	157	120	146	178	127	147	138	123	114	109
Cameroon	181	171	166	249	248	288	288	259	206	233
Congo	114	81	122	153	255	295	160	101	72	40
Dem. Rep. of the Congo	85	85	109	116	135	170	145	106	110	194
Djibouti	145	146	157	214	128	170	626	723	551	515
Egypt (1)	9 829	9 306	8 370	10 182	9 900	10 930	11 622	12 501	10 890	11 836
Equatorial Guinea	84	119	112	138	137	115	83	42	23	24
Ethiopia	543	332	490	745	860	895	1 112	1 091	757	717
Gabon	78	106	132	145	150	162	100	70	53	57
Ghana	464	533	852	785	767	841	969	914	772	824
Guinea	65	71	106	86	123	119	153	119	147	176
Ivory Coast	181	223	205	220	285	322	369	424	441	427
Kenya	892	867	1 306	1 028	1 409	1 436	1 835	1 608	1 465	1 519
Libya (1)	2 089	1 564	72	997	1 701	1 808	1 539	1 539	1 539	1 447
Madagascar	88	76	87	89	103	117	119	150	145	151
Mauritania	58	67	108	117	132	161	115	110	135	103
Mauritius	105	131	103	91	98	93	121	109	119	136
Morocco (1)	1 919	1 814	3 110	2 889	3 081	2 817	3 000	3 177	3 367	3 307
Mozambique	182	200	208	289	384	426	392	269	232	296
Nigeria	1 983	1 524	1 968	1 957	2 427	2 154	1 873	1 381	1 174	1 687
Senegal	287	362	431	394	335	413	449	554	510	634
South Africa (1)	4 931	5 534	5 900	5 827	6 295	5 663	5 858	5 500	5 244	5 163
Sudan (1)	437	374	328	371	293	333	356	358	337	350
Tanzania	344	355	474	439	777	643	712	587	572	780
Tunisia (1)	794	990	858	850	838	867	889	899	921	949
Togo	83	149	122	187	165	199	204	171	155	182
Uganda	121	200	161	78	131	160	155	132	154	216
Zambia	118	124	180	158	209	170	181	157	173	192
Zimbabwe	45	80	114	120	126	136	158	167	138	164
Other Africa	497	3 442	519	491	694	679	825	891	869	993
Africa	32 664	33 230	32 067	35 857	39 672	40 692	42 036	40 873	38 069	39 680
Bahrain (1)	270	354	206	237	276	296	302	284	293	298
Iran (1)	19 496	21 878	23 467	21 081	21 998	22 089	21 911	21 228	22 174	21 731
Iraq (1)	2 363	2 388	2 937	3 783	4 144	3 601	3 387	3 692	3 582	3 686
Israel	1 669	1 873	2 160	2 307	2 584	2 775	3 110	3 466	3 299	3 504
Jordan (1)	1 380	1 181	1 092	1 190	1 122	1 191	1 236	1 249	1 249	1 280
Kuwait (1)	973	1 202	1 072	1 224	1 397	1 582	1 609	1 613	1 521	1 574
Lebanon (1)	898	846	950	928	868	947	976	996	996	1 015
Oman (1)	620	1 026	1 068	1 190	1 364	1 510	1 619	1 570	1 593	1 630
Qatar (1)	1 700	1 291	1 103	1 202	1 373	1 582	1 663	1 639	1 640	1 706
Saudi Arabia (1)	10 158	10 800	12 600	13 500	14 000	14 600	14 000	12 650	12 272	8 919
Syria (1)	2 774	2 090	1 490	776	471	289	293	293	270	270
United Arab Emirates (1)	6 934	7 364	7 592	7 656	7 413	7 771	7 757	8 514	8 621	8 728
Yemen (1)	861	578	382	587	500	971	621	534	496	497
Other Middle East	7	7	3	20	14	18	7	7	11	12
Other Middle East	50 103	52 877	56 121	55 681	57 524	59 222	58 490	57 735	58 019	54 851

Table 39
(continued)

Apparent Steel Use
(crude steel equivalent)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Bangladesh	1 784	1 982	2 138	2 467	2 616	2 907	4 353	4 310	2 929	3 433
China (1)	574 420	612 063	667 941	687 609	772 340	740 380	700 350	709 400	806 080	869 750
Hong Kong, China	1 703	1 929	1 886	1 991	2 436	2 727	3 776	2 482	2 342	2 202
India (1)	64 360	69 082	73 154	77 436	80 656	87 086	89 256	94 502	100 892	104 502
Indonesia (3)	8 908	10 744	13 148	15 006	15 237	15 483	13 656	15 214	16 318	18 107
Japan (1)	56 000	67 400	69 600	68 800	70 800	72 900	67 852	67 469	70 125	71 256
North Korea	1 330	1 279	1 373	1 350	1 352	1 407	1 507	1 522	1 441	1 237
South Korea (1)	47 303	54 573	58 741	56 322	53 919	57 834	58 125	59 450	58 670	55 950
Malaysia (3)	7 727	9 668	9 578	10 374	11 685	11 720	11 628	11 925	10 980	11 368
Mongolia	133	133	317	377	464	480	366	212	273	400
Myanmar	876	991	1 292	1 549	1 554	2 317	2 605	2 560	2 159	2 238
Pakistan	2 620	2 174	3 189	3 788	4 210	4 820	6 464	8 118	9 005	7 864
Philippines (3)	3 993	4 650	5 940	6 986	7 796	8 517	10 186	11 253	11 418	12 472
Singapore (1)	3 540	3 350	4 900	4 782	5 345	4 791	5 019	3 540	3 400	3 628
Sri Lanka	423	517	580	664	638	731	1 028	1 153	1 117	1 060
Taiwan, China (1)	13 530	21 350	21 715	21 332	22 285	23 469	21 032	21 932	21 206	21 423
Thailand (3)	12 501	16 378	16 881	19 047	20 732	22 382	21 103	24 159	22 137	22 367
Viet Nam (3)	12 700	12 293	11 276	12 740	13 685	16 226	20 510	25 088	24 311	25 070
Other Asia	393	1 461	2 597	1 078	821	1 293	1 066	2 154	3 010	3 166
Asia	814 243	892 017	966 245	993 697	1 088 570	1 077 469	1 039 883	1 066 442	1 167 814	1 237 492
Australia (1)	5 916	7 716	6 672	7 152	6 376	7 142	6 967	6 477	6 025	6 091
New Zealand (1)	740	971	931	974	1 016	1 140	895	837	873	903
Other Oceania	244	310	649	574	323	309	348	368	349	307
Oceania	6 900	8 997	8 252	8 700	7 715	8 591	8 210	7 682	7 247	7 301
World	1 236 752	1 416 374	1 527 910	1 556 740	1 662 406	1 674 660	1 621 556	1 637 192	1 757 488	1 830 817

Table 40

**Apparent Steel Use per Capita
(kg crude steel equivalent)**

	2 009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	423	476	525	491	475	477	513	499	528	536
Belgium-Luxembourg	372	424	459	385	377	386	384	387	399	404
Bulgaria	105	112	153	137	151	211	190	204	155	181
Croatia	191	181	163	154	160	159	170	219	226	183
Cyprus	298	329	220	152	122	100	132	140	225	303
Czech Republic	496	605	661	638	639	675	717	716	761	797
Denmark	179	203	274	272	269	268	275	290	276	278
Estonia	140	235	283	257	265	277	259	351	383	430
Finland	321	287	227	389	347	343	342	341	394	389
France	197	246	258	222	228	225	225	236	243	244
Germany	360	501	558	504	514	529	519	520	524	504
Greece	247	189	143	102	115	130	103	153	137	138
Hungary	177	244	220	199	218	245	276	300	314	330
Ireland	85	99	93	95	94	111	130	129	151	158
Italy	360	459	472	381	386	385	428	415	439	459
Latvia	135	185	297	103	112	170	147	184	134	250
Lithuania	89	122	153	162	186	212	206	248	254	284
Malta	117	144	86	83	78	98	107	103	84	137
Netherlands	220	257	291	298	279	237	261	316	312	354
Poland	219	269	304	287	295	340	358	370	399	438
Portugal	232	251	223	204	240	215	239	233	253	293
Romania	137	171	198	175	175	204	214	219	228	250
Slovak Republic	290	376	385	384	420	446	463	468	506	539
Slovenia	470	530	546	477	469	485	511	546	550	588
Spain	268	300	297	245	253	266	292	290	293	330
Sweden	301	423	448	400	407	381	397	453	479	468
United Kingdom	141	178	183	172	169	180	180	181	180	178
European Union (28)	259	323	343	305	310	321	332	338	348	359
Albania	209	175	193	222	217	208	113	160	92	85
Bosnia-Herzegovina	127	141	147	142	153	153	151	214	228	246
Iceland	104	113	114	120	339	115	162	195	187	205
Macedonia	139	146	72	39	30	95	112	204	107	100
Montenegro	145	199	193	189	134	251	306	290	374	242
Norway	205	185	229	214	202	297	212	206	235	230
Serbia	92	53	72	55	48	58	79	98	120	157
Switzerland	268	335	355	358	365	359	331	356	343	354
Turkey	269	347	390	406	439	424	466	454	471	395
Other Europe	48	54	64	58	66	60	102	59	73	472
Other Europe	236	291	325	335	358	355	380	379	392	347
Azerbaijan	93	103	108	128	155	154	110	67	63	82
Byelorussia	206	292	282	295	293	243	192	191	224	230
Georgia	50	53	54	71	36	62	86	104	93	119
Kazakhstan	183	144	150	184	228	177	170	144	162	152
Moldova	64	33	55	46	54	50	77	24	56	43
Russia	199	289	334	344	344	342	309	299	305	307
Ukraine	97	138	160	155	140	106	84	109	118	120
Uzbekistan	58	48	48	54	66	67	60	58	77	83
Other C.I.S.	60	42	47	83	79	81	72	57	40	46
C.I.S.	150	200	227	237	239	228	203	197	204	206
Canada	314	458	456	496	466	491	399	413	458	456
Costa Rica	116	123	142	162	185	183	200	182	185	164
Cuba	10	12	12	13	14	15	14	13	13	14
Dominican Republic	29	37	31	38	41	56	46	47	50	55
El Salvador	15	39	47	49	48	54	57	56	53	68
Guatemala	19	24	24	47	52	70	72	64	60	56
Honduras	14	11	24	28	21	22	43	38	38	33
Mexico	156	181	200	202	193	217	229	231	237	226
Nicaragua	14	9	13	19	20	20	19	18	18	18
Panama	105	125	63	72	169	160	139	146	119	117
Trinidad and Tobago	200	258	227	236	247	258	247	232	233	239
United States	227	299	324	345	336	382	338	318	337	342
Other North America	67	46	17	19	19	21	26	27	32	27
North America	189	245	262	278	270	304	275	265	280	279

Table 40
(continued)

Apparent Steel Use per Capita
(kg crude steel equivalent)

	2 009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Argentina	90	129	147	134	137	134	139	110	128	124
Bolivia	10	13	13	13	54	63	58	62	52	48
Brazil	106	148	147	148	155	140	116	100	104	112
Chile	116	160	183	199	177	171	179	174	172	168
Colombia	55	69	79	85	94	106	107	96	92	92
Ecuador	83	97	134	114	144	122	123	111	121	123
Paraguay	23	38	44	38	39	41	39	50	53	74
Peru	64	98	97	106	109	113	134	124	136	148
Uruguay	37	50	69	77	72	69	73	61	54	56
Venezuela	117	98	111	126	119	84	75	31	21	18
Other South America	33	16	50	54	59	58	73	55	59	72
South America	91	122	128	129	135	126	115	99	103	107
Algeria	134	95	115	138	164	176	168	156	156	143
Angola	45	29	35	44	42	41	30	11	7	7
Benin	18	13	15	18	13	14	13	11	10	9
Cameroon	9	8	8	12	11	13	12	11	8	9
Congo	28	19	28	34	55	62	33	20	14	8
Dem. Rep. of the Congo	1	1	2	2	2	2	2	1	1	2
Djibouti	175	174	184	247	145	189	685	778	583	537
Egypt	121	112	99	118	112	121	126	132	113	120
Equatorial Guinea	93	126	114	134	127	102	71	35	19	18
Ethiopia	6	4	5	8	9	9	11	11	7	7
Gabon	50	65	79	83	82	86	51	35	26	27
Ghana	19	22	34	30	29	31	35	32	26	28
Guinea	7	7	10	8	11	11	13	10	12	14
Ivory Coast	9	11	10	10	13	14	16	18	18	17
Kenya	22	21	30	23	31	31	38	33	29	30
Libya	341	252	11	159	269	284	240	237	234	217
Madagascar	4	4	4	4	4	5	5	6	6	6
Mauritania	17	19	30	31	35	41	28	27	32	23
Mauritius	84	105	82	73	78	74	96	86	94	108
Morocco	60	56	95	87	91	82	87	90	95	92
Mozambique	8	9	9	12	15	16	14	10	8	10
Nigeria	13	10	12	12	14	12	10	7	6	9
Senegal	23	29	33	29	24	29	31	37	33	40
South Africa	98	108	113	110	117	104	106	98	92	89
Sudan	13	11	9	10	8	9	9	9	8	8
Tanzania	8	8	10	9	16	13	14	11	10	14
Tunisia	75	93	80	78	76	78	80	80	81	82
Togo	13	23	18	28	24	28	28	23	20	23
Uganda	4	6	5	2	4	4	4	3	4	5
Zambia	9	9	13	11	14	11	11	10	10	11
Zimbabwe	4	6	9	9	9	10	11	12	10	11
Other Africa	4	24	3	3	4	4	5	5	5	6
Africa	32	32	30	33	35	35	36	34	31	31
Bahrain	228	286	161	182	210	221	220	199	196	190
Iran	267	297	314	279	288	285	279	267	275	266
Iraq	82	80	96	119	125	105	95	101	95	96
Israel	232	255	288	303	334	353	390	427	400	418
Jordan	200	163	143	147	132	134	133	131	128	128
Kuwait	345	402	338	366	396	429	419	408	375	380
Lebanon	187	171	183	168	147	151	149	148	146	148
Oman	216	337	328	340	362	375	379	351	341	338
Qatar	1 027	696	542	547	588	643	648	617	602	613
Saudi Arabia	381	394	446	463	466	472	441	390	371	265
Syria	131	98	71	38	24	15	16	17	16	16
United Arab Emirates	876	861	849	838	806	843	837	909	909	906
Yemen	38	25	16	24	20	38	23	20	18	17
Other Middle East	2	2	1	5	3	4	2	2	2	3
Other Middle East	237	244	253	246	249	251	244	236	234	217

Table 40
(continued)

Apparent Steel Use per Capita
(kg crude steel equivalent)

	2 009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Bangladesh	12	13	14	16	17	19	28	27	18	21
P.R. China	422	447	485	497	555	529	498	502	567	609
Hong Kong	246	277	269	282	344	382	526	343	320	299
India	53	56	59	61	63	67	68	71	75	77
Indonesia	37	44	54	60	61	61	53	58	62	68
Japan	436	524	542	536	552	569	530	528	550	560
D.P.R. Korea (e)	54	52	56	54	54	56	60	60	57	48
South Korea	959	1 101	1 180	1 125	1 071	1 143	1 144	1 166	1 148	1 093
Malaysia	279	343	334	357	397	392	384	389	353	361
Mongolia	50	49	115	133	161	163	122	69	88	126
Myanmar	17	20	25	30	30	44	49	48	40	42
Pakistan	15	12	17	20	22	25	32	40	43	37
Philippines	43	49	62	72	79	85	100	109	109	117
Singapore	713	653	931	891	980	867	898	626	596	630
Sri Lanka	21	26	28	32	31	35	49	55	53	50
Taiwan (R.o.C.)	586	921	933	914	951	999	893	929	896	903
Thailand	187	244	250	281	304	327	307	350	320	322
Viet Nam	146	140	127	142	151	177	221	268	257	262
Other Asia	5	19	32	13	10	15	12	25	34	35
Asia	214	232	249	254	275	270	258	262	285	299
Australia	272	348	296	312	274	303	291	267	245	245
New Zealand	171	222	211	218	225	250	194	180	186	190
Other Oceania	25	31	64	56	31	29	32	33	31	27
Oceania	193	247	223	231	202	221	209	192	179	178
World	180	204	217	219	231	230	220	219	233	240

Table 41

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria (1)	3 105	3 510	3 894	3 658	3 566	3 606	3 905	3 829	4 088	4 180
Belgium-Luxembourg (1)	4 100	4 611	5 034	4 248	4 191	4 323	4 329	4 386	4 557	4 639
Bulgaria	736	783	1 060	946	1 034	1 435	1 286	1 373	1 036	1 199
Croatia	779	735	660	624	643	635	676	738	758	715
Cyprus	305	341	231	161	130	107	143	153	247	337
Czech Republic (1)	4 506	5 520	6 063	5 850	5 865	6 195	6 600	6 700	6 900	7 500
Denmark	923	1 052	1 426	1 425	1 416	1 420	1 460	1 545	1 478	1 494
Estonia	175	292	350	317	326	341	318	431	472	532
Finland (1)	1 560	1 404	1 116	1 917	1 720	1 709	1 709	1 706	1 977	1 960
France	11 490	14 438	15 218	13 204	13 617	13 526	13 575	14 270	14 759	14 851
Germany (1)	28 205	36 238	40 712	37 497	38 013	39 642	39 137	40 454	41 000	39 580
Greece	2 549	1 932	1 452	1 031	1 156	1 304	1 031	1 529	1 359	1 361
Hungary (1)	1 533	1 777	1 888	1 706	1 863	2 086	2 343	2 538	2 659	2 780
Ireland	356	422	396	407	404	479	565	563	668	710
Italy (1)	20 075	25 652	26 550	21 519	21 904	21 928	24 488	23 733	25 135	26 261
Latvia	273	369	585	201	216	321	273	339	244	450
Lithuania	263	355	440	460	521	589	564	669	674	742
Malta	45	56	34	33	31	39	43	42	35	56
Netherlands (1)	3 023	3 518	4 081	4 026	3 742	3 463	3 496	4 022	3 981	4 893
Poland	7 875	9 653	10 899	10 295	10 533	12 144	12 781	13 173	14 126	15 578
Portugal	2 304	2 494	2 216	2 012	2 357	2 103	2 328	2 258	2 441	2 820
Romania	2 645	3 286	3 764	3 322	3 297	3 830	3 997	4 064	4 191	4 573
Slovak Republic (1)	1 386	1 800	1 843	1 839	2 017	2 141	2 226	2 254	2 438	2 602
Slovenia	875	991	1 025	899	886	914	966	1 033	1 041	1 116
Spain (1)	11 876	13 068	13 114	10 433	10 923	11 599	12 707	12 576	12 693	14 315
Sweden (1)	2 569	3 640	3 892	3 502	3 590	3 388	3 374	3 873	4 126	4 063
United Kingdom (1)	7 909	9 853	10 185	9 679	9 592	10 680	10 494	10 883	11 003	10 822
European Union (28)	121 436	147 788	158 126	141 209	143 552	149 945	154 817	159 136	164 087	170 130
Albania	585	485	532	609	593	567	308	435	247	229
Bosnia-Herzegovina	444	488	502	480	508	501	485	680	719	770
Iceland	30	34	34	37	103	35	50	60	58	65
Macedonia	271	285	140	77	58	186	219	399	209	196
Montenegro	85	116	113	111	79	148	180	171	221	143
Norway	931	847	1 062	1 006	960	1 433	1 035	1 013	1 170	1 152
Serbia	778	448	604	466	401	489	662	813	992	1 297
Switzerland	1 941	2 458	2 636	2 699	2 781	2 772	2 585	2 803	2 728	2 839
Turkey (1)	18 026	23 567	26 931	28 468	31 301	30 773	34 381	34 077	35 926	30 584
Other Europe	94	106	127	115	131	121	205	121	149	127
Other Europe	23 186	28 834	32 682	34 067	36 915	37 025	40 110	40 572	42 420	37 402
Azerbaijan	776	878	928	1 116	1 366	1 380	997	613	580	763
Byelorussia	1 824	2 578	2 494	2 612	2 598	2 154	1 701	1 692	1 993	2 045
Georgia	193	201	205	269	138	234	325	392	349	443
Kazakhstan (1)	2 637	2 105	2 227	2 781	3 490	2 757	2 684	2 315	2 630	2 498
Moldova	248	126	211	175	208	191	294	90	215	164
Russia (1)	24 828	36 745	41 490	42 793	43 310	43 146	39 824	38 749	40 861	41 166
Ukraine (1)	3 922	5 480	6 332	6 148	5 569	4 232	3 309	4 245	4 477	4 685
Uzbekistan	1 528	1 275	1 302	1 506	1 853	1 904	1 731	1 724	2 312	2 538
Other C.I.S.	1 144	820	934	1 671	1 635	1 693	1 548	1 232	894	1 042
C.I.S.	37 101	50 208	56 125	59 072	60 167	57 691	52 413	51 052	54 310	55 345
Canada (1)	9 531	14 090	14 171	15 575	14 800	15 775	12 935	13 513	15 131	15 200
Costa Rica (2)	471	508	593	684	791	798	872	804	827	738
Cuba (2)	98	126	129	135	142	149	144	136	137	140
Dominican Republic (2)	251	324	272	343	371	516	426	436	471	523
El Salvador (2)	85	218	261	274	273	307	324	322	304	396
Guatemala (2)	244	315	322	646	735	1 007	1 058	948	917	873
Honduras (2)	102	83	190	215	166	178	354	321	324	289
Mexico (1)	15 175	17 760	19 804	20 911	20 574	23 472	24 881	25 487	26 509	25 589
Nicaragua (2)	73	47	72	105	110	116	112	106	107	110
Panama (2)	351	424	209	246	584	564	498	530	441	441
Trinidad and Tobago (2)	238	307	272	300	315	331	319	302	304	313
United States (1)	59 206	79 897	89 200	96 200	95 700	106 957	96 131	91 861	97 722	99 790
Other North America	970	679	250	287	285	316	397	417	503	434
North America	86 796	114 778	125 745	135 921	134 846	150 486	138 450	135 184	143 695	144 834

Table 41
(continued)

Apparent Steel Use
(finished steel products)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Argentina (1)	3 203	4 620	5 338	4 899	5 065	5 009	5 254	4 206	4 920	4 826
Bolivia (2)	88	114	117	120	523	621	581	627	534	503
Brazil (1)	18 576	26 669	26 094	26 573	28 018	25 606	21 295	18 520	19 523	21 207
Chile (2)	1 705	2 382	2 738	3 008	2 701	2 637	2 797	2 760	2 899	2 738
Colombia (2)	2 233	2 799	3 218	3 506	3 488	3 954	4 032	3 660	3 560	3 636
Ecuador (2)	1 045	1 243	1 750	1 505	1 934	1 660	1 701	1 566	1 733	1 802
Paraguay (2)	129	213	248	220	231	243	234	307	325	465
Peru (2)	1 585	2 421	2 422	2 676	2 766	2 900	3 492	3 266	3 659	4 044
Uruguay (2)	113	151	208	245	228	222	234	197	174	181
Venezuela (1)	2 684	2 266	2 606	2 990	2 872	2 038	1 844	735	511	170
Other South America	46	23	72	78	86	86	109	82	90	110
South America	31 407	42 901	44 812	45 819	47 912	44 976	41 573	35 925	37 928	39 682
Algeria (1)	4 277	3 063	3 787	4 644	5 641	6 173	5 990	5 688	5 813	5 428
Angola	944	632	786	1 038	1 018	1 034	779	297	209	214
Benin	146	112	136	166	118	137	129	115	106	102
Cameroon	169	159	155	233	232	269	269	242	192	218
Congo	107	76	113	143	238	276	150	95	67	38
Dem. Rep. of the Congo	80	80	103	109	127	160	136	100	104	182
Djibouti	135	136	146	200	119	159	585	675	514	481
Egypt (1)	11 054	9 332	7 780	9 468	9 207	10 182	10 862	11 683	10 178	11 067
Equatorial Guinea	78	110	105	129	128	107	77	39	22	22
Ethiopia	506	310	457	695	803	835	1 038	1 019	707	670
Gabon	73	99	123	135	140	151	94	66	50	53
Ghana	436	501	801	738	721	791	911	859	725	775
Guinea	61	66	99	80	114	111	142	112	137	165
Ivory Coast	168	207	191	205	266	301	345	396	412	399
Kenya	831	807	1 217	959	1 315	1 340	1 714	1 502	1 368	1 420
Libya (1)	1 880	1 408	65	898	1 531	1 627	1 385	1 385	1 385	1 302
Madagascar	82	71	81	83	96	109	111	140	136	142
Mauritania	54	62	100	109	123	150	107	103	126	96
Mauritius	98	122	96	85	92	87	113	102	112	127
Morocco (1)	1 727	1 633	2 799	2 600	2 773	2 535	2 700	2 859	3 031	2 977
Mozambique	170	187	194	269	358	397	366	251	217	277
Nigeria	1 864	1 433	1 850	1 840	2 282	2 025	1 760	1 298	1 104	1 585
Senegal	267	338	402	368	313	386	419	517	476	593
South Africa (1)	4 456	5 001	5 332	5 266	5 689	5 117	5 294	4 970	4 739	4 666
Sudan (1)	393	337	295	334	264	300	320	322	304	315
Tanzania	320	331	441	410	725	601	665	548	534	729
Tunisia (1)	715	891	772	765	754	781	800	809	829	854
Togo	77	139	113	174	154	185	190	160	145	170
Uganda	114	188	152	73	123	151	145	124	145	203
Zambia	110	116	168	148	195	159	169	147	162	179
Zimbabwe	42	74	106	112	118	127	148	156	129	153
Other Africa	463	3 207	484	458	648	634	771	832	812	928
Africa	31 896	31 229	29 449	32 933	36 423	37 393	38 685	37 610	34 988	36 529
Bahrain (1)	243	319	185	213	248	266	272	256	264	268
Iran (1)	17 546	19 690	21 120	18 973	19 798	19 880	19 720	19 105	19 957	19 558
Iraq (1)	2 127	2 149	2 643	3 405	3 730	3 241	3 048	3 323	3 224	3 317
Israel	1 568	1 761	2 030	2 169	2 429	2 609	2 924	3 258	3 101	3 294
Jordan (1)	1 242	1 063	983	1 071	1 010	1 072	1 112	1 124	1 124	1 152
Kuwait (1)	876	1 082	965	1 102	1 257	1 424	1 448	1 452	1 369	1 417
Lebanon (1)	808	761	855	835	781	852	878	896	896	914
Oman (1)	558	923	961	1 071	1 228	1 359	1 457	1 413	1 434	1 467
Qatar (1)	1 530	1 162	993	1 082	1 236	1 424	1 496	1 475	1 476	1 535
Saudi Arabia (1)	10 006	10 720	12 000	12 540	13 300	14 100	13 500	12 200	11 834	8 600
Syria (1)	2 497	1 881	1 341	698	424	261	264	264	243	243
United Arab Emirates (1)	6 241	6 628	6 833	7 044	6 820	7 149	7 136	7 833	7 931	8 030
Yemen (1)	775	520	344	529	450	874	559	481	447	447
Other Middle East	6	6	3	18	13	16	7	7	11	12
Other Middle East	46 023	48 665	51 256	50 749	52 723	54 527	53 820	53 086	53 310	50 254

Table 41
(continued)

Apparent Steel Use
(finished steel products)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Bangladesh	1 677	1 863	2 010	2 319	2 459	2 732	4 092	4 052	2 754	3 227
China (1)	551 443	587 581	641 223	660 105	741 446	710 768	672 340	681 020	773 840	834 960
Hong Kong, China	1 587	1 797	1 757	1 857	2 273	2 546	3 526	2 317	2 187	2 058
India (1)	57 892	64 940	69 788	72 383	73 652	76 050	80 198	83 643	88 680	96 737
Indonesia (3)	7 420	8 950	10 952	12 500	12 692	12 898	11 375	12 673	13 593	15 083
Japan (1)	52 790	63 570	64 100	63 950	65 240	67 690	62 950	62 170	64 380	65 410
North Korea	1 064	1 023	1 098	1 080	1 082	1 126	1 206	1 218	1 153	989
South Korea (1)	45 414	52 390	56 391	54 069	51 762	55 521	55 800	57 076	56 313	53 710
Malaysia (3)	6 645	8 314	8 238	8 922	10 049	10 079	10 000	10 256	9 443	9 776
Mongolia	125	125	298	354	436	451	344	199	257	376
Myanmar	823	931	1 214	1 456	1 461	2 178	2 449	2 406	2 029	2 104
Pakistan	2 096	1 739	2 551	3 030	3 368	4 530	6 076	7 631	8 465	7 392
Philippines (3)	3 434	3 999	5 108	6 008	6 705	7 325	8 760	9 677	9 819	10 726
Singapore (1)	2 804	2 680	3 897	3 826	4 276	3 833	4 016	2 832	2 720	2 903
Sri Lanka	397	486	545	624	600	687	966	1 084	1 050	996
Taiwan, China (1)	11 280	17 790	18 096	17 777	18 571	19 558	17 527	18 277	17 672	17 853
Thailand (3)	10 750	14 085	14 518	16 380	17 829	19 248	18 149	20 777	19 038	19 235
Viet Nam (3)	10 922	10 572	9 698	10 956	11 769	14 441	18 254	22 328	21 637	22 312
Other Asia	366	1 362	2 421	1 005	766	1 208	995	2 011	2 811	2 960
Asia	768 929	844 197	913 903	938 602	1 026 435	1 012 868	979 022	1 001 646	1 097 840	1 168 807
Australia (1)	5 341	6 966	6 024	6 458	5 757	6 449	6 291	5 849	5 441	5 500
New Zealand (1)	560	735	700	737	769	843	808	756	788	815
Other Oceania	227	289	605	535	301	288	325	343	326	287
Oceania	6 129	7 990	7 329	7 730	6 827	7 580	7 424	6 948	6 555	6 602
World	1 152 902	1 316 589	1 419 427	1 446 103	1 545 802	1 552 492	1 506 315	1 521 159	1 635 134	1 709 586

Table 42

Apparent Steel Use
(kg finished steel products)

	2 009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	371	417	461	430	417	419	450	438	463	470
Belgium-Luxembourg	361	403	436	366	358	367	365	368	379	384
Bulgaria	98	105	144	129	142	198	179	192	146	170
Croatia	179	170	153	145	150	149	160	175	181	172
Cyprus	278	307	205	142	113	93	123	131	210	283
Czech Republic	430	524	574	553	554	585	623	631	648	703
Denmark	167	189	255	254	251	251	257	271	258	260
Estonia	131	219	263	239	247	259	242	328	358	402
Finland	292	262	207	354	316	313	312	310	359	355
France	184	230	241	208	213	211	211	221	228	229
Germany	349	448	504	463	468	487	479	492	496	476
Greece	233	177	134	96	108	122	97	144	129	129
Hungary	154	179	191	173	189	213	240	260	273	286
Ireland	79	93	86	88	87	103	122	120	141	147
Italy	340	432	446	359	364	363	404	391	414	433
Latvia	127	174	279	97	106	159	137	171	125	233
Lithuania	83	114	143	151	173	198	192	231	237	265
Malta	109	134	80	77	73	91	100	96	79	128
Netherlands	182	211	244	240	222	205	206	237	234	287
Poland	205	252	285	269	276	319	336	347	372	411
Portugal	217	235	210	191	225	202	225	219	237	275
Romania	128	161	185	164	164	191	201	205	213	234
Slovak Republic	257	333	341	340	372	394	409	414	448	477
Slovenia	430	485	500	437	429	442	466	498	502	537
Spain	255	278	279	222	233	248	272	270	272	307
Sweden	276	388	411	367	373	350	346	394	417	407
United Kingdom	126	155	159	150	148	163	159	164	165	161
European Union (28)	242	294	314	279	283	295	304	312	321	332
Albania	197	165	182	209	204	196	107	151	86	80
Bosnia-Herzegovina	119	132	137	133	143	144	142	201	215	232
Iceland	96	105	107	112	316	108	151	182	175	192
Macedonia	131	138	67	37	28	89	105	192	100	94
Montenegro	137	187	181	178	126	236	288	272	352	227
Norway	193	173	215	201	189	279	199	193	221	216
Serbia	86	50	67	52	45	55	75	92	112	147
Switzerland	252	315	333	337	343	338	312	334	323	333
Turkey	253	326	367	381	412	398	438	427	443	371
Other Europe	45	50	60	54	61	56	95	55	68	441
Other Europe	221	273	305	315	337	333	357	357	368	327
Azerbaijan	87	97	101	120	146	145	104	63	59	77
Byelorussia	193	274	265	277	276	228	180	179	211	216
Georgia	47	49	50	66	34	58	81	98	87	111
Kazakhstan	164	130	135	166	205	159	153	130	145	136
Moldova	60	31	52	43	51	47	72	22	53	41
Russia	173	256	289	297	300	298	275	267	281	282
Ukraine	85	120	139	135	123	94	74	95	101	106
Uzbekistan	54	45	45	51	62	63	56	55	72	78
Other C.I.S.	56	39	44	77	74	75	68	53	38	43
C.I.S.	132	178	198	208	211	201	182	176	187	189
Canada	282	413	410	446	419	442	359	371	412	410
Costa Rica	104	111	128	146	167	166	180	164	167	148
Cuba	9	11	11	12	13	13	13	12	12	12
Dominican Republic	26	33	28	35	37	51	41	42	45	49
El Salvador	14	35	42	44	44	49	51	51	48	62
Guatemala	17	22	22	42	47	63	65	57	54	51
Honduras	13	10	22	25	19	20	39	35	34	30
Mexico	135	156	171	178	173	195	204	207	212	203
Nicaragua	13	8	12	18	18	19	18	17	17	17
Panama	98	116	56	65	152	145	125	131	107	105
Trinidad and Tobago	180	231	204	223	233	243	233	219	220	225
United States	193	259	286	306	302	336	300	284	301	305
Other North America	63	43	16	18	18	19	24	25	30	25
North America	163	213	231	247	243	269	245	237	250	250

Table 42
(continued)

Apparent Steel Use
(kg finished steel products)

	2 009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Argentina	79	113	129	117	120	117	122	97	112	109
Bolivia	9	11	11	12	50	58	53	57	48	44
Brazil	96	136	132	133	139	126	104	90	94	101
Chile	101	140	159	173	154	148	156	152	157	146
Colombia	50	62	70	76	75	84	85	76	73	73
Ecuador	71	83	115	97	123	104	105	95	103	105
Paraguay	21	34	39	34	35	37	35	45	47	67
Peru	55	83	83	91	93	96	115	106	116	126
Uruguay	34	45	62	73	67	65	69	58	51	52
Venezuela	96	80	90	102	96	68	61	25	17	6
Other South America	31	15	47	51	55	54	69	51	55	67
South America	81	109	113	114	118	110	101	86	90	94
Algeria	121	85	103	124	148	159	151	140	140	129
Angola	42	27	32	41	39	38	28	10	7	7
Benin	16	12	14	17	12	13	12	11	9	9
Cameroon	9	8	7	11	10	12	12	10	8	9
Congo	26	18	26	32	52	58	31	19	13	7
Dem. Rep. of the Congo	1	1	2	2	2	2	2	1	1	2
Djibouti	163	162	171	230	135	177	640	727	545	502
Egypt	136	113	92	110	104	113	118	124	106	112
Equatorial Guinea	87	117	106	125	119	95	66	32	17	17
Ethiopia	6	4	5	7	8	9	10	10	7	6
Gabon	46	61	73	77	77	80	48	33	24	25
Ghana	18	20	32	28	27	29	33	30	25	26
Guinea	6	6	10	8	11	10	12	10	11	13
Ivory Coast	8	10	9	10	12	13	15	17	17	16
Kenya	20	19	28	22	29	29	36	31	27	28
Libya	306	227	10	143	242	256	216	213	210	195
Madagascar	4	3	4	4	4	5	5	6	5	5
Mauritania	16	18	28	29	32	38	26	25	29	22
Mauritius	79	97	77	68	73	69	90	81	88	101
Morocco	54	50	85	78	82	74	78	81	85	83
Mozambique	7	8	8	11	14	15	14	9	8	9
Nigeria	12	9	11	11	13	11	10	7	6	8
Senegal	22	27	31	27	23	27	29	34	31	37
South Africa	88	98	103	100	106	94	96	88	83	81
Sudan	12	10	8	9	7	8	8	8	7	8
Tanzania	7	7	10	9	15	12	13	10	10	13
Tunisia	68	84	72	71	69	71	72	72	73	74
Togo	12	22	17	26	22	26	26	21	19	22
Uganda	4	6	5	2	3	4	4	3	4	5
Zambia	8	9	12	10	13	10	11	9	10	10
Zimbabwe	3	6	8	9	9	9	11	11	9	11
Other Africa	3	22	3	3	4	4	5	5	5	5
Africa	32	30	28	30	32	32	33	31	28	29
Bahrain	205	257	145	164	189	199	198	179	177	171
Iran	241	267	283	251	259	257	251	240	247	239
Iraq	73	72	86	107	112	94	86	91	86	86
Israel	218	240	271	285	314	332	366	402	376	393
Jordan	180	146	128	132	119	120	120	118	115	116
Kuwait	311	362	305	329	356	386	378	367	337	342
Lebanon	168	154	164	151	132	136	134	133	131	133
Oman	194	303	296	306	326	337	341	315	307	304
Qatar	925	626	488	493	529	579	583	556	542	552
Saudi Arabia	376	391	425	430	443	456	426	376	358	255
Syria	118	88	64	34	22	14	15	15	14	14
United Arab Emirates	788	775	764	771	741	776	770	837	836	834
Yemen	34	22	14	22	18	34	21	18	16	16
Other Middle East	2	2	1	4	3	4	1	1	2	2
Other Middle East	218	225	231	224	228	232	224	217	215	199

Table 42
(continued)

Apparent Steel Use
(kg finished steel products)

	2 009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Bangladesh	11	13	13	15	16	18	26	26	17	20
P.R. China	405	429	466	477	533	508	478	482	545	585
Hong Kong	229	258	251	264	321	357	491	320	299	279
India	48	53	56	57	58	59	61	63	66	72
Indonesia	31	37	45	50	50	51	44	48	51	56
Japan	411	495	499	498	508	528	492	487	505	514
D.P.R. Korea (e)	44	42	45	44	43	45	48	48	45	39
South Korea	920	1 057	1 133	1 080	1 028	1 097	1 098	1 120	1 102	1 050
Malaysia	240	295	288	307	341	337	330	334	304	310
Mongolia	47	46	108	125	151	153	115	65	82	119
Myanmar	16	18	24	28	28	42	46	45	38	39
Pakistan	12	10	14	16	18	23	30	37	41	35
Philippines	37	43	53	62	68	73	86	93	93	101
Singapore	565	522	740	712	784	694	718	501	477	504
Sri Lanka	20	24	27	30	29	33	46	52	50	47
Taiwan (R.o.C.)	488	767	778	761	793	833	744	774	746	752
Thailand	161	210	215	241	262	281	264	301	275	277
Viet Nam	125	120	109	122	130	157	197	238	229	234
Other Asia	5	17	30	12	9	14	12	23	32	33
Asia	202	220	236	240	260	254	243	246	268	283
Australia	246	314	267	282	248	273	263	241	221	221
New Zealand	130	168	158	165	170	185	175	162	168	172
Other Oceania	23	29	60	52	29	27	30	31	29	25
Oceania	171	220	198	205	179	195	189	174	162	161
World	168	189	202	203	215	213	204	204	217	224

Table 43

Production of Pig Iron

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	4 353	5 621	5 815	5 751	6 152	6 029	5 805	5 642	6 335	5 269
Belgium	3 087	4 688	4 725	4 073	4 343	4 388	4 248	4 869	4 849	4 790
Czech Republic	3 483	3 987	4 137	3 935	4 040	4 152	4 031	4 165	3 691	4 005
Germany	19 715	28 112	27 563	26 493	26 678	27 379	27 842	27 270	27 816	27 271 e
Finland	2 042	2 564	2 500	2 130	2 050	2 475	2 594	2 670	2 604	2 700
France	8 104	10 137	9 698	9 532	10 276	10 866	10 097	9 724	10 678	10 530
Hungary	1 050	1 325	1 317	1 229	628	801	1 247	864	1 311	1 355
Italy	5 692	8 555	9 838	9 424	6 933	6 371	5 051	6 044	5 052	4 836
Netherlands	4 601	5 799	5 943	5 917	5 681	5 868	6 050	6 092	6 145	6 150
Poland	2 984	3 638	3 975	3 952	4 011	4 637	4 821	4 674	5 151	4 853
Romania	1 575	1 726	1 593	1 467	1 604	1 631	1 983	1 972	1 927	1 979
Slovak Republic	3 019	3 649	3 346	3 520	3 617	3 838	3 738	3 987	4 106	4 220
Spain	2 920	3 572	3 540	3 081	3 949	3 958	4 450	4 116	4 462	4 521
Sweden	1 966	3 447	3 240	2 805	2 896	3 078	2 865	3 079	3 111	2 877
United Kingdom	7 671	7 233	6 625	7 183	9 471	9 705	8 774	6 142	5 996	5 588
European Union (28)	72 263	94 054	93 855	90 493	92 328	95 176	93 596	91 312	93 235	90 943
Bosnia-Herzegovina	483	621	685	750	759	860	845	778	738	664
Norway	83	108	101	100	106	102	59	43	74	79 e
Serbia	1 008	1 235	1 226	312	365	550	904	1 154	1 340	1 593
Turkey	7 004	7 679	8 173	8 613	9 180	9 364	10 184	10 304	10 589	10 536
Other Europe	8 577	9 643	10 184	9 774	10 411	10 876	11 992	12 280	12 741	12 873
Kazakhstan	2 409	2 640	3 190	2 831	2 756	3 185	3 235	6 901	3 769	2 834
Russia	43 945	47 934	48 117	50 529	50 111	51 479	52 553	51 877	52 036	51 664
Ukraine	25 676	27 349	28 867	28 500	29 094	24 788	21 797	23 618	20 147	20 563
C.I.S.	72 030	77 923	80 174	81 860	81 962	79 452	77 585	82 396	75 952	75 061
Canada	5 273	7 666	7 323	7 654	6 100	6 728	5 851	6 240	6 306	6 680
Mexico	3 919	4 707	4 609	4 611	4 911	5 115	4 573	4 476	4 245	4 428
United States	19 018	26 843	30 227	32 062	30 308	29 374	25 435	22 293	22 395	24 058
North America	28 209	39 216	42 159	44 328	41 319	41 218	35 859	33 008	32 946	35 166
Argentina	2 042	2 532	2 801	2 073	2 650	2 766	2 685	2 141	2 171	2 184
Brazil (1)	25 135	30 955	33 319	26 900	26 200	27 016	27 985	26 345	28 572	28 655
Chile	923	635	1 072	1 068	766	584	644	677	670	661
Colombia	342	327	302	345	307	234	240	225	203	205
Paraguay	71	81	42	67	69	71	73	50	38	39
South America	28 513	34 531	37 535	30 454	29 992	30 671	31 627	29 439	31 654	31 744
Algeria	680	696	360	350	300	300	300	300	300	300 e
Egypt	800	600	600	550	550	550	500	500	500	500 e
South Africa	4 444	5 429	4 604	4 599	4 928	4 402	4 464	4 311	4 352	4 611
Africa	5 924	6 725	5 564	5 499	5 778	5 252	5 264	5 111	5 152	5 411
Iran	2 433	2 540	2 242	2 143	2 007	2 782	2 459	2 251	2 293	2 362
Middle East	2 433	2 540	2 242	2 143	2 007	2 782	2 459	2 251	2 293	2 362

(1) - steel industry only.

Table 43
(continued)

Production of Pig Iron

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
China	568 634	595 601	645 429	670 102	711 499	713 748	691 413	702 273	713 619	771 054
India	38 233	39 560	43 624	47 987	51 359	55 166	58 394	63 714	66 808	72 610
Indonesia	...	...	...	...	...	1 730	2 460	2 640	2 650	2 730
Japan	66 943	82 283	81 028	81 405	83 849	83 872	81 011	80 186	78 330	77 328
DPR Korea (e)	250	250	250	250	250	250	250	250	250	250 e
South Korea	27 284	35 065	42 213	41 734	41 045	46 909	47 639	46 336	47 071	47 124
Malaysia	...	...	...	...	...	...	477	522	382	487
Pakistan	629	415	358	198	165	142	163			
Taiwan, China	7 939	9 358	12 718	11 785	13 319	14 440	14 370	14 890	14 361	14 841
Viet Nam	275	500	600	650	650	1 393	1 700	2 600	4 250	8 323
Asia	710 187	763 032	826 220	854 111	902 136	917 651	897 875	913 410	927 722	994 747
Australia	4 370	6 005	5 265	3 710	3 477	3 282	3 594	3 642	3 758	3 882
New Zealand	608	667	659	670	682	680	678	670	683	679
Oceania	4 978	6 672	5 925	4 381	4 160	3 962	4 272	4 313	4 441	4 561
World	933 115	1 034 337	1 103 856	1 123 042	1 170 091	1 187 040	1 160 530	1 173 520	1 186 136	1 252 868

Table 44

Exports of Pig Iron

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	2	4	1	0	1	2	2	5	3	1
Belgium	160	254	258	236	231	173	144	174	165	121
Bulgaria	1	1	1	1	2	2	1	2	8	6
Czech Republic	24	64	46	83	68	43	16	16	103	148
Germany	86	181	178	125	137	116	141	145	237	194
Finland	11	3	0	14	6	0	0	5	8	0
France	152	52	53	44	42	35	34	37	49	106
Italy	62	38	22	52	40	49	59	60	48	63
Netherlands	170	156	191	269	113	172	220	271	455	552
Poland	6	17	22	79	50	80	65	85	66	83
Portugal	0	19	20	17	18	38	47	51	1	0
Romania	...	0	0	0	0	0	0	0	0	0
Slovak Republic	29	67	27	29	38	15	17	32	25	13
Slovenia	4	10	22	19	11	13	4	5	2	1
Spain	5	3	6	11	17	9	5	14	13	14
Sweden	141	146	111	88	35	67	77	90	89	0
United Kingdom	27	5	2	4	2	2	3	0	5	8
Other E.U.	2	3	4	2	2	4	1	4	1	3
European Union (28)	884	1 024	964	1 074	811	819	837	996	1 280	1 314
Bosnia-Herzegovina	0	8	37	54	45	39	39	1	1	27
Serbia	65	70	47	37	1	22	8	21	7	31
Turkey	11	8	9	8	6	5	5	10	5	4
Other Europe	0	2	0	0	0	0	0	0	0	0
Other Europe	76	88	93	99	52	65	52	32	13	62
Kazakhstan	3	...	1	1	1	3	2	35	3	39
Russia	4 077	3 479	4 240	3 996	3 946	4 359	5 339	5 139	4 819	5 774
Ukraine	1 370	1 481	1 774	1 966	2 261	2 212	2 152	2 540	2 343	3 007
Other C.I.S.	...	9	3	10	5	0	0	0	0	0
C.I.S.	5 450	4 969	6 017	5 974	6 213	6 574	7 494	7 713	7 164	8 820
Canada	91	142	107	148	76	21	16	46	40	34
United States	22	81	126	122	44	52	67	62	66	26
Other North America	3	1	1	0	0	0	0	0	0	0
North America	116	223	234	270	121	73	83	108	106	60
Brazil	3 158	2 309	3 247	3 027	2 692	2 588	2 752	2 179	2 282	1 913
Other South America	16	4	1	0	3	15	17	35	5	0
South America	3 174	2 313	3 248	3 028	2 695	2 604	2 768	2 214	2 287	1 913
Algeria	65	33	27	23	9	17	14	...	27	10
South Africa	577	624	595	614	632	740	434	311	544	625
Other Africa	0	11	0	0	0	0	...	1	1	4
Africa	642	668	623	637	641	757	447	312	572	640
Iran	101	14	36	0	0	0	0	7	1	0
United Arab Emirates	...	1	20	...	0	0	...	...	1	1
Other Middle East	0	2	32	34	43	...	3	40	10	63
Middle East	101	17	88	35	43	0	3	47	12	64

Table 44
(continued)

Exports of Pig Iron

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
China	237	707	872	302	265	242	169	133	86	1
India	397	752	1 197	394	1 063	835	542	556	655	322
Indonesia	94	117	...	2	63	286	283	569	140	56
Japan	590	33	51	402	283	47	54	17	25	27
D.P.R. Korea (e)	77	243	234	187	166	166	135	135	133	...
South Korea	11	7	37	41	2	3	0	4	53	84
Taiwan, China	32	41	29	17	17	12	12	9	14	17
Thailand	1	0	0	1	2	1	1	2	1	1
Viet Nam	148	58	9	...	...	74	46	71	36	7
Other Asia	65	361	2	0	10	2	92	110	56	99
Asia	1 651	2 318	2 433	1 345	1 870	1 668	1 334	1 605	1 199	614
Australia	104	3	1	0	0	0	0	0	0	0
New Zealand	0	...	...	0	...	...	0	...	...	...
Other Oceania	...	0	...	...	...	...	...	...	...	...
Oceania	105	3	1	0	0	0	0	0	0	0
World	12 199	11 623	13 700	12 461	12 446	12 561	13 019	13 027	12 634	13 487

Table 45

Imports of Pig Iron

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	29	25	31	19	21	18	62	76	17	16
Belgium	282	357	318	286	279	232	182	201	215	253
Bulgaria	7	16	18	14	19	14	18	14	17	16
Croatia	18	10	13	12	14	13	15	14	14	14
Czech Republic	48	53	76	65	65	73	60	59	57	60
Denmark	10	9	16	17	19	19	22	17	7	14
Germany	402	421	506	585	448	460	547	593	438	465
Finland	18	36	33	22	19	12	20	24	23	27
France	113	133	156	132	186	149	150	143	135	159
Greece	9	4	9	0	3	7	38	2	14	12
Hungary	3	7	6	5	5	8	8	8	4	7
Ireland	1	1	1	1	1	0	0	0	0	0
Italy	897	992	1 288	1 107	1 481	1 690	1 671	1 600	1 656	1 701
Latvia	38	46	2	3	1	1	1	0	0	0
Netherlands	184	223	335	320	243	424	401	475	501	570
Poland	149	167	227	193	157	173	237	216	239	281
Portugal	7	10	5	2	3	4	9	18	28	3
Romania	61	112	48	59	36	11	22	38	29	51
Slovak Republic	19	67	43	38	36	35	38	46	45	40
Slovenia	24	33	25	31	30	29	30	22	24	19
Spain	381	443	316	274	219	276	247	221	197	232
Sweden	40	59	79	55	53	57	51	54	52	64
United Kingdom	20	41	69	59	38	53	47	33	50	37
Other E.U.	1	1	1	1	1	1	0	1	1	1
European Union (28)	2 760	3 265	3 622	3 299	3 376	3 760	3 875	3 875	3 763	4 042
Montenegro	10	...	...	...	...	0	0	0	0	0
Norway	11	1	11	10	8	3	1	4	1	1
Serbia	0	50	1	1	1	1	0	0	0	0
Switzerland	12	17	18	13	15	14	11	10	13	12
Turkey	772	565	1 138	1 377	968	913	1 172	1 101	1 012	1 303
Other Europe	2	2	3	1	1	9	4	3	11	6
Other Europe	807	636	1 170	1 402	994	939	1 188	1 118	1 038	1 322
Byelorussia	109	147	160	154	149	122	97	92	110	91
Moldova	2	6	6	3	0	0	2	0	1	2
Ukraine	12	65	44	34	13	7	3	2	2	1
Other C.I.S.	6	8	3	4	5	9	5	19	100	542
C.I.S.	128	227	214	194	167	138	107	113	212	636
Canada	16	23	26	38	28	56	57	36	61	41
Mexico	135	168	208	166	284	323	838	551	236	390
United States	2 424	3 471	4 190	4 270	4 118	4 603	4 534	3 866	5 127	6 017
Other North America	0	0	10	231	1	16	0	0	2	1
North America	2 574	3 663	4 433	4 705	4 431	4 998	5 429	4 454	5 425	6 450
Argentina	2	15	10	29	7	4	55	81	75	39
Chile	0	0	16	38	1	1	1	1	1	1
Colombia	0	0	0	31	0	0	0	1	0	0
Other South America	3	0	2	31	2	2	1	9	117	177
South America	6	16	29	129	10	7	57	92	193	217
Egypt	35	35	21	1	59	113	177	72	10	10
Other Africa	6	3	5	10	6	10	5	13	9	7
Africa	40	38	26	11	65	124	182	85	20	17
Iran	43	1	0	0	0	0	0	0	0	...
Saudi Arabia	71	9	0	27	77	128	36	603	83	62
United Arab Emirates	1	10	3	47	65	84	104	35	76	140
Other Middle East	6	4	3	2	2	3	6	5	11	7
Middle East	122	24	6	77	144	215	146	643	170	210

Table 45
(continued)

Imports of Pig Iron

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
China	3 616	873	971	581	298	193	168	190	166	93
India	8	256	11	12	46	27	35	38	27	20
Indonesia	85	47	54	183	263	23	9	19	79	113
Japan	293	354	322	113	121	167	99	86	94	78
D.P.R. Korea (e)	2	69	3	3	1	...	1	0	2	...
South Korea	754	1 031	925	833	987	898	413	337	245	168
Malaysia	69	4	80	58	153	62	16	36	72	69
Pakistan	16	15	9	8	5	7	23	26	34	31
Taiwan, China	525	572	840	768	809	551	579	421	443	634
Thailand	414	303	356	204	115	385	371	462	411	384
Viet Nam	148	35	49	38	47	17	33	74	60	104
Other Asia	21	370	59	25	86	30	96	175	127	787
Asia	5 948	3 931	3 679	2 826	2 930	2 360	1 843	1 863	1 761	2 480
Australia	11	12	11	7	10	13	12	11	17	13
New Zealand	6	0	0	0	0	0	0	0	0	0
Other Oceania	0	0	0	0	2	1	...	...	3	...
Oceania	17	12	11	7	12	14	12	11	20	13
World	12 403	11 811	13 191	12 650	12 130	12 555	12 839	12 253	12 601	15 387

Table 46

Production of Direct Reduced Iron

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Germany	389	448	380	555	498	566	551	600	600	560
Sweden	96	123	117	105	113	105	109	102	103	109
European Union (28)	485	571	497	660	611	671	659	702	703	669
Russia	4 600	4 700	5 200	5 125	5 329	5 350	5 436	5 820	7 242	7 901
C.I.S.	4 600	4 700	5 200	5 125	5 329	5 350	5 436	5 820	7 242	7 901
Canada	342	600	702	842	1 250	1 550	1 502	1 399	1 608	1 670
Mexico	4 147	5 368	5 854	5 586	6 100	5 979	5 499	5 306	6 011	5 972
Trinidad and Tobago	1 990	3 080	3 030	3 250	3 290	3 240	2 520	129		
United States						1 300	1 100	1 810	2 000	3 350
North America	6 479	9 048	9 586	9 679	10 640	12 068	10 621	8 644	9 618	10 992
Argentina	807	1 566	1 670	1 607	1 466	1 663	1 252	773	1 231	1 606
Brazil	11									
Peru	100	100	94	96	93	88	72	11		
Venezuela	5 508	3 793	4 159	4 472	2 727	1 402	1 356	908	491	442
South America	6 426	5 459	5 924	6 174	4 285	3 153	2 680	1 691	1 722	2 048
Egypt	3 051	2 965	2 932	3 068	3 432	2 882	2 451	2 618	4 667	5 753
Libya	1 077	1 270	165	508	956	998	449	699	560	612
South Africa	1 340	1 120	1 414	1 493	1 295	1 612	1 125	702	925	835
Africa	5 467	5 356	4 511	5 069	5 683	5 492	4 025	4 019	6 152	7 199
Bahrain					780	1 440	1 230	1 260	1 300	1 500 e
Iran	8 099	9 350	10 368	11 582	14 458	14 551	14 546	16 013	19 401	25 745
Oman			1 242	1 520	1 468	1 420	1 509	1 439	1 526	1 500
Qatar	2 097	2 250	2 350	2 420	2 386	2 549	2 631	2 506	2 548	2 526
Saudi Arabia (1)	4 623	4 937	5 153	4 976	5 298	5 508	4 841	5 119	4 812	4 989
United Arab Emirates		1 180	1 800	2 699	3 075	2 409	3 190	3 479	3 608	3 784
Middle East	14 819	17 717	20 914	23 197	27 465	27 877	27 947	29 816	33 194	40 043
China	42	...	...	...	...	1 000	...	...	...	...
India	23 445	24 931	25 332	23 438	22 615	24 542	22 644	24 574	29 505	34 213
Indonesia	1 119	1 274	1 228	524	757	155	53	...	22	237
Malaysia	2 388	2 390	2 877	2 329	1 399	1 007	957	656	570	743
Pakistan	...	...	...	...	60	...	...	...	...	...
Asia	26 994	28 595	29 437	26 291	24 831	26 704	23 654	25 230	30 098	35 193
World	65 270	71 446	76 069	76 196	78 844	81 316	75 023	75 923	88 729	104 045

(1) - HADEED only.

Table 47

Exports of Direct Reduced Iron

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Belgium	0	11	4	...	...	0	...	0	113	203
Bulgaria	3	3	...	...	...	...	...	...	...	...
Germany	3	15	0	0	0	0	0	0	0	0
France	3	15	3	6	3	13	16	0	0	0
Netherlands	111	0	1	0	8	8	13	0	2	0
Spain	0	2	2	2	2	4	3	1	0	0
Sweden	6	13	10	2	3	2	3	3	2	2
Other EU	0	1	26	7	7	7	65	52	18	49
European Union (28)	126	59	47	16	23	34	99	56	135	255
Turkey	...	...	0	...	...	0	...	...	0	0
Other Europe	0	7	5	1	4	4	4	0	0	0
Other Europe	0	7	5	1	4	4	4	0	0	0
Russia	1 675	1 915	2 144	2 132	2 062	2 192	2 207	2 289	2 848	3 637
Other CIS	...	3	...	...	0	0	...	...	0	...
C.I.S.	1 675	1 918	2 144	2 132	2 062	2 192	2 207	2 289	2 848	3 637
Canada	0	0	0	13	83	85	0	68	...	2
Mexico	...	...	...	55	...	...	...	...	...	...
Trinidad and Tobago	1 351	2 266	2 504	2 414	2 308	2 784	2 609	1 708	1 746	1 601
United States	36	9	14	8	5	4	21	178	640	554
Other North America	...	1	...	0	...	...	...	...	...	...
North America	1 386	2 276	2 518	2 490	2 396	2 873	2 630	1 954	2 386	2 157
Venezuela	1 406	1 802	1 768	2 117	800	56	928	1 156	1 233	590
Other South America	1	...	...	0	0	0	0	...	0	...
South America	1 407	1 802	1 768	2 117	800	56	928	1 156	1 233	590
Libya	106	212	59	34	206	285	120	130	108	123
South Africa	1	0	0	1	1	45	63	32	51	37
Other Africa	...	151	...	0	...	2	10	...	0	0
Africa	106	364	59	34	207	332	193	161	159	161
Iran	...	0	30	...	32	...	...	34	6	372
Oman	...	...	591	916	426	184	196	561	873	494
Qatar	207	145	170	36	46	41	18	0	91	...
Saudi Arabia	2	42	4	39	33	66	10	17	3	...
United Arab Emirates	...	30	2	1	187	50	13	25	73	82
Other Middle East	...	0	0	0	83	51	21	489	518	927
Middle East	209	217	797	992	807	392	259	1 126	1 563	1 874
China	5	213	151	112	224	60	41	1	15	0
India	17	69	70	126	117	167	132	262	500	658
Indonesia	0	1	0	42	0	21	1	...	1	2
Japan	1	1	1	1	1	1	1	...	...	...
DPR Korea (e)	6	10	9	5	10	12	2	...	...	...
South Korea	0	2	42	70	66	79	18	12	0	0
Malaysia	255	473	570	861	479	703	391	522	570	717
Other Asia	0	8	1	1	2	1	10	0	1	11
Asia	284	777	844	1 218	898	1 043	598	798	1 086	1 389
Australia	0	...	1	0	0	0	...	0	0	0
Other Oceania	1	...	0	...	...	...	...	0	0	0
Oceania	1	...	1	0	0	0	...	0	0	0
World	5 195	7 418	8 183	9 000	7 197	6 926	6 919	7 540	9 411	10 063

Table 48

Imports of Direct Reduced Iron

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	3	0	5	69	37	42	29	89	425	265
Belgium	0	23	30	18	31	12	37	43	125	286
Czech Republic	7	12	20	15	9	6	6	3	3	5
Denmark	1	2	2	2	27	36	26	13	6	5
Germany	248	425	232	127	335	537	640	590	951	791
Finland	0	0	0	0	0	0	0	0	0	6
France	19	47	80	34	42	33	74	59	198	249
Italy	147	241	499	509	652	663	1 042	1 122	1 123	1 236
Netherlands	328	370	398	414	189	189	82	15	60	0
Portugal	38	6	37	27	30	0	280	123	129	81
Spain	253	578	590	441	640	596	734	299	426	426
Sweden	0	0	17	33	37	30	32	30	31	27
United Kingdom	1	79	138	194	24	0	15	16	1	0
Other EU	26	15	27	1	1	2	37	9	19	7
European Union (28)	1 071	1 799	2 073	1 884	2 053	2 148	3 035	2 411	3 498	3 383
Turkey	21	14	0	5	29	46	47	77	250	182
Other Europe	0	3	39	36	24	7	33	0	0	0
Other Europe	22	17	39	41	53	53	80	77	250	182
Byelorussia	72	...	96	51	58	90	42	70	179	265
Moldova	60	...	33	15	12	11	...	...	...	1
Ukraine	128	346	326	260	61	39	11	45	2	2
Other CIS	...	...	0	0	...	30	25	22	96	228
C.I.S.	260	346	455	326	131	170	78	137	277	496
Canada	253	417	198	160	64	40	5	1	0	14
Mexico	26	...	130	185	109	159	203	549	577	815
United States	1 016	1 643	1 852	2 762	2 364	2 392	1 866	1 598	1 789	1 752
Other North America	...	4	40	0	1	...	2	...	47	0
North America	1 295	2 064	2 221	3 107	2 539	2 590	2 077	2 148	2 413	2 581
Argentina	92	118	0	32	0	38	93	0	0	...
Peru	43	47	29	52	41	40	55	...	33	1
Other South America	0	1 221	0	35	0	0	0	...	...	0
South America	135	1 386	30	119	41	78	147	0	33	1
Egypt	148	158	172	187	86	67	0	32	55	0
South Africa	0	0	0	1	0	1	0	...	40	3
Other Africa	1	11	3	2	2	1	50	221	489	500
Africa	149	170	175	189	88	69	50	254	583	503
Iran	39	0	...	...	...	...	...	...	...	...
Saudi Arabia	...	91	0	0	80	126	13	1 255	1 713	1 184
United Arab Emirates	...	1	5	...	0	1	0	0	0	51
Other Middle East	0	1	5	7	8	287	42	90	125	987
Middle East	39	93	10	7	89	415	55	1 345	1 839	2 222
China	1 779	1 379	1 383	1 071	606	405	182	67	20	108
India	1	39	422	1 069	671	178	38	22	90	53
Indonesia	223	156	178	350	182	37	34	3	59	28
Japan	...	226	242	84	63	124	29	25	9	22
South Korea	323	676	442	439	644	636	346	383	417	449
Malaysia	195	185	36	14	59	46	54	16	35	57
Other Asia	24	16	25	97	131	189	174	459	561	719
Asia	2 545	2 677	2 729	3 124	2 356	1 614	858	975	1 190	1 436
Australia	1	51	1	1	0	0	0	0	1	1
Other Oceania	...	...	0	...	0	0	...	0	33	0
Oceania	1	51	1	1	1	1	0	0	34	1
World	5 516	8 604	7 733	8 798	7 351	7 136	6 381	7 348	10 116	10 806

Table 49

Monthly Primary Iron Production

2018

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Austria	511	489	553	496	548	340	268	236	253	562	513	500	5 269
Czech Republic	363	331	356	342	341	338	352	349	297	308	302	327	4 005
Bel/Fin/Rom/Swe (1)	1 040	934	1 090	1 080	1 092	1 020	1 080	1 061	926	1 026	952	1 042	12 346
France	949	872	962	948	903	828	928	723	872	835	867	843	10 530
Germany (1)	2 409	2 188	2 363	2 300	2 403	2 240	2 311	2 084	2 189	2 224	2 323	2 237	27 271
Hungary	119	109	120	110	118	114	119	103	100	119	112	112	1 355
Italy	425	382	431	400	395	362	409	413	387	421	404	407	4 836
Netherlands	533	499	557	518	556	529	545	471	398	511	521	512	6 150
Poland	452	427	460	381	449	385	352	330	383	386	392	455	4 853
Slovak Republic	348	326	348	348	362	343	355	355	350	360	350	350	4 220
Spain	402	336	399	396	390	336	390	399	392	364	358	358	4 521
United Kingdom	477	422	550	593	458	542	543	429	464	352	405	412	5 588
European Union (28)	8 026	7 315	8 206	7 914	8 016	7 376	7 651	6 954	7 011	7 466	7 499	7 566	90 943
Bosnia-Herzegovina	70	69	68	0	0	6	75	77	76	80	74	71	664
Serbia	148	125	109	136	146	143	143	124	96	154	148	121	1 593
Turkey	935	844	941	815	921	873	942	872	750	840	887	915	10 536
Other Europe	1 153	1 038	1 117	951	1 067	1 022	1 160	1 073	922	1 074	1 110	1 108	12 794
Kazakhstan	314	290	339	297	317	306	265	290	250	0	113	53	2 834
Russia (1)	4 530	3 975	4 469	4 310	4 271	4 331	4 459	4 341	4 152	4 175	4 245	4 434	51 664
Ukraine	1 980	1 632	1 678	1 649	1 582	1 631	1 767	1 720	1 667	1 785	1 642	1 832	20 563
C.I.S.	6 824	5 897	6 486	6 256	6 170	6 268	6 491	6 351	6 069	5 960	6 000	6 319	75 061
Canada	698	667	737	727	685	642	657	685	687	641	628	615	8 350
Mexico	886	860	985	863	849	841	847	856	876	793	876	869	10 401
United States (1)	1 915	1 794	1 969	1 925	2 072	2 059	2 104	2 028	2 012	2 056	2 025	2 099	24 058
North America	3 499	3 321	3 690	3 514	3 606	3 542	3 608	3 569	3 575	3 490	3 529	3 582	42 808
Argentina	328	330	370	349	307	273	248	257	324	334	341	329	3 790
Brazil (2)	2 368	2 171	2 442	2 356	2 239	2 375	2 481	2 349	2 533	2 557	2 345	2 439	28 655
Chile	57	55	56	57	57	45	56	58	62	60	50	49	661
Colombia	18	13	15	18	14	15	17	19	18	18	21	17	205
Paraguay	3	2	2	3	2	3	3	4	4	4	4	4	39
Venezuela	34	40	59	56	57	44	30	19	28	30	25	20	442
South America	2 808	2 611	2 944	2 839	2 676	2 754	2 835	2 706	2 970	3 003	2 787	2 859	33 792
Egypt (3)	494	456	461	491	456	487	447	431	511	522	480	516	5 753
Libya	79	74	29	0	21	41	50	69	25	67	72	84	612
South Africa	493	414	460	423	481	466	443	457	498	468	447	397	5 445
Africa	1 067	944	950	914	957	994	939	957	1 035	1 057	999	997	11 810

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

Table 49

(continued)

Monthly Primary Iron Production

2018

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Iran	2 050	2 038	2 160	2 445	2 563	2 238	2 203	2 314	2 341	2 569	2 434	2 753	28 107
Qatar	227	157	155	224	214	227	231	229	220	231	186	225	2 526
Saudi Arabia (4)	368	385	429	379	421	437	475	438	455	500	385	317	4 989
United Arab Emirates	334	154	240	344	358	347	336	337	331	337	352	316	3 784
Middle East	2 979	2 733	2 984	3 393	3 555	3 248	3 244	3 317	3 347	3 636	3 357	3 611	39 405
China	60 594	54 730	61 471	63 410	67 726	66 306	67 940	66 467	65 940	67 373	63 726	63 201	771 054
India	8 830	8 035	9 142	8 833	9 136	8 856	8 928	8 962	8 606	8 940	9 218	9 339	106 823
Japan	6 856	6 180	6 707	6 332	6 807	6 351	6 297	6 750	6 263	6 281	6 321	6 183	77 328
South Korea	4 145	3 679	3 869	3 725	3 614	3 996	4 099	4 043	3 998	4 101	3 778	4 077	47 124
Taiwan, China	1 041	910	1 260	1 267	1 314	1 248	1 326	1 304	1 266	1 302	1 282	1 321	14 841
Asia	81 465	73 535	82 449	83 567	88 597	86 757	88 590	87 526	86 072	87 997	84 325	84 121	1 017 171
Australia	340	308	309	328	338	328	327	338	297	310	310	349	3 882
New Zealand	59	50	51	63	60	55	60	60	52	53	56	61	679
Oceania	400	358	359	391	397	383	388	398	349	363	367	409	4 561
Total 44 countries	108 220	97 752	109 185	109 740	115 042	112 345	114 906	112 850	111 351	114 047	109 973	110 572	1 328 346

(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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria (1)	2 002	2 069	2 100	2 200	2 320	2 400	2 775	2 773	2 975	4 825
Germany (1)(2)	364	390	488	448	413	456	450	514	518	2 007
Sweden	17 680	25 292	26 113	26 540	27 285	28 144	24 600	26 900	27 200	27 530
European Union (28)	20 046	27 751	28 701	29 188	30 018	31 000	27 825	30 187	30 693	34 363
Bosnia-Herzegovina	1 100	1 400	1 900	2 100	2 100	2 100	2 123	1 752	1 600	1 400
Norway	1 900	2 640	1 900	3 280	3 440	3 792	3 290	1 800	1 700	2 000
Turkey	3 855	5 814	6 450	6 557	8 589	11 887	7 761	7 137	9 992	6 144
Other Europe	6 855	9 854	10 250	11 937	14 129	17 779	13 174	10 689	13 292	9 544
Azerbaijan	...	58	214	215	145	115	...	26	...	...
Kazakhstan	17 785	17 921	17 636	16 722	19 373	15 546	11 359	10 064	10 874	12 717
Russia	92 050	99 060	103 805	103 337	102 497	101 448	101 973	104 007	106 507	107 399
Ukraine	65 827	79 170	81 189	80 826	83 696	82 409	81 966	74 967	60 498	60 321
C.I.S.	175 662	196 208	202 845	201 099	205 711	199 518	195 298	189 064	177 879	180 437
Canada (3)	32 972	37 501	37 101	39 401	41 841	44 196	45 954	46 731	50 300	52 388
Mexico (4)	11 677	13 998	12 806	14 916	18 840	17 248	20 397	18 300	17 700	13 578
United States	26 700	49 900	54 700	54 000	52 800	56 100	46 100	41 800	47 900	49 000
North America	71 350	101 399	104 606	108 317	113 481	117 544	112 451	106 831	115 900	114 965
Argentina	98	100	285	485	435	328	...	...	...	...
Brazil	305 000	372 000	397 000	380 086	391 100	399 400	416 453	434 046	435 532	448 000
Chile	8 534	10 495	11 995	12 060	11 750	13 030	15 431	16 080	16 089	14 490
Colombia	281	77	174	392	710	676	366	716	710	333
Peru	7 186	8 957	9 838	10 639	7 014	7 193	7 321	7 663	8 800	10 600
Venezuela	14 900	14 331	16 348	16 347	7 831	6 284	10 353	8 362	6 560	3 970
South America	335 999	405 959	435 640	420 008	418 840	426 911	449 924	466 867	467 691	477 392
Algeria	1 307	1 400	1 600	1 784	1 067	911	944	826	830	642
Egypt	1 780	1 400	1 500	3 930	1 422	1 500	1 500	1 500	600	4 000
Liberia	...	...	1 300	3 250	4 100	4 900	4 300	2 100	2 000	4 600
Mauritania	11 400	11 109	11 176	11 170	12 532	13 306	11 607	13 275	11 771	10 761
Nigeria	...	...	...	...	...	...	...	50	50	...
Morocco	5	10	10	261	301	23	18	21	100	...
Sierra Leone	...	...	1 300	6 730	16 490	21 420	2 563	6 577	6 900	923
South Africa	55 423	55 000	52 900	59 000	71 645	80 741	72 806	66 456	62 700	61 680
Tunisia	150	150	200	223	243	308	285	300	300	...
Africa	70 066	69 069	69 986	86 348	107 800	123 108	94 022	91 104	85 251	82 606
Iran	33 000	35 549	38 260	43 497	48 693	54 100	51 000	64 500	74 000	55 000
Middle East	33 000	35 549	38 260	43 497	48 693	54 100	51 000	64 500	74 000	55 000

Table 50
(continued)

Production of Iron Ore

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Burma	454	2 404	2 729	1 593	2 525	2 971	1 210	1 428	2 551	2 085
China (5)	884 568	1 080 161	1 335 025	1 327 300	1 522 129	1 526 717	1 381 289	1 271 731	1 229 373	763 374
China (4)	240 999	358 500	345 070	336 070	266 087	211 700	138 600	99 300	134 700	145 800
India	223 600	209 000	191 800	152 600	136 100	139 700	142 500	184 511	201 815	204 691
Indonesia	4 561	8 976	11 815	11 546	22 350	5 951	3 839	3 800	900	...
D.P.R. Korea (e)	5 300	5 300	5 300	5 100	3 444	3 212	1 931	2 000	1 000	387
South Korea (3)	421	460	499	552	663	693	445	445	300	...
Laos	...	...	...	61	441	717	237	254	333	178
Malaysia	1 470	3 558	8 078	12 144	12 134	9 615	1 532	1 800	3 900	3 536
Mongolia	1 380	3 203	5 678	7 561	6 011	6 911	6 173	4 900	7 700	7 449
Pakistan	320	448	329	385	409	197	329	432	502	113
Philippines	271	924	966	1 378	827	154	107	17	...	...
Thailand	1 401	977	489	303	390	348	16	...	...	39
Viet Nam	1 905	1 972	2 371	1 506	2 495	2 719	2 691	3 154	5 100	4 785
Asia	482 081	595 721	575 124	530 799	453 876	384 889	299 610	302 041	358 801	369 064
Australia	394 068	432 779	477 332	520 032	608 900	745 735	811 239	858 026	885 400	901 100
New Zealand	2 093	2 439	2 357	2 395	3 157	3 245	3 164	3 496	4 008	3 521
Oceania	396 161	435 218	479 689	522 427	612 057	748 980	814 403	861 521	889 408	904 621
World	1 591 218	1 876 729	1 945 102	1 953 619	2 004 606	2 103 830	2 057 707	2 122 804	2 212 914	2 227 992

(1) - low Fe content.

(2) - not for steel production.

(3) - deliveries.

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

(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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Belgium-Luxembourg	179	366	458	38	8	2	6	...	7	45
Germany	4	22	44	40	44	66	65	45	70	47
Finland	...	299	555	0	...	0	38	184	180	206
France	124	19	129	88	168	90	100	78	18	65
Hungary	...	52	64	63	11	2	0	...	...	...
Netherlands	16 345	24 993	18 543	20 931	21 092	21 800	23 362	18 675	18 742	22 605
Slovak Republic	...	...	22	119	416	98	14	42	27	10
Sweden	16 104	20 673	21 115	22 855	23 217	23 726	20 090	22 723	23 672	22 248
Other EU	50	26	189	189	448	277	376	233	595	416
European Union (28)	32 806	46 451	41 119	44 322	45 404	46 062	44 051	41 980	43 310	45 641
Bosnia-Herzegovina	327	500	428	694	...	365	145	112	68	41
Norway	776	1 803	2 435	3 659	3 567	4 016	3 804	1 860	1 717	1 746
Other Europe	...	...	316	363	1 066	1 078	338	393	763	763
Other Europe	1 103	2 303	3 180	4 716	4 633	5 460	4 288	2 365	2 548	2 549
Kazakhstan	15 856	17 969	8 443	12 616	7 088	14 494	8 365	1 563	1 309	1 283
Russia	17 968	19 946	26 609	25 464	25 580	22 997	21 241	18 543	21 040	19 414
Ukraine	27 613	32 742	34 124	35 053	37 986	40 836	45 653	39 203	37 409	36 916
C.I.S.	61 437	70 657	69 176	73 133	70 654	78 328	75 259	59 309	59 758	57 613
Canada	31 107	32 483	33 812	34 471	38 023	40 301	36 864	40 596	41 174	47 719
Honduras	...	...	601	1 337	1 715	1 358	80	2	0	0
Mexico	3 815	3 815	4 906	4 406	10 105	2 291	176	41	114	352
Trinidad and Tobago	...	...	142	116	37	0	0	125	153	79
United States	3 918	9 951	11 073	11 179	11 041	12 385	8 157	8 761	10 609	12 986
North America	38 840	46 249	50 534	51 510	60 922	56 335	45 277	49 525	52 050	61 136
Argentina	...	...	268	367	480	406	310	170	26	...
Brazil	266 040	310 931	330 830	326 515	329 639	344 385	366 194	373 963	383 537	394 242
Chile	8 784	7 933	10 303	11 661	12 254	14 120	14 127	15 506	14 696	13 942
Peru	7 111	8 499	9 019	9 088	9 006	11 520	9 944	9 687	7 538	11 932
Venezuela	3 465	8 067	6 341	7 023	3 802	3 683	6 016	5 378	2 770	...
South America	285 400	335 430	356 762	354 654	355 180	374 114	396 591	404 704	408 568	420 116
Egypt	...	...	0	7	124	263	159	76	144	...
Liberia	...	...	72	2 038	4 295	5 034	5 438	2 360	1 522	3 629
Mauritania	10 296	11 109	11 484	12 255	13 076	14 599	12 132	13 447	11 548	11 898
Morocco	...	...	12	173	309	27	8	54	51	10
Mozambique	...	...	...	93	12	28	...	...	62	20
Sierra Leone	...	...	51	3 961	11 996	19 190	2 585	4 108	6 985	923
South Africa	44 559	47 971	53 343	54 002	62 763	64 799	65 254	64 707	66 432	63 423
Swaziland	...	...	...	952	1 084	558	...	...	49	0
Africa	54 855	59 080	64 962	73 480	93 658	104 500	85 577	84 752	86 793	79 903
Bahrain	3 600	6 200	6 000	5 000	2 900	218	128	628	6 727	7 599
Iran	7 107	14 833	16 675	17 534	22 462	21 796	13 125	17 869	21 783	17 200
Other Middle East	...	...	716	827	1 727	1 093	2 091	5 569	5 976	7 178
Middle East	10 707	21 033	23 391	23 361	27 089	23 107	15 344	24 066	34 486	31 977
China	3	25	5	33	59	132	110	655	5 451	11 092
India	90 747	95 931	39 156	28 432	14 426	9 844	4 211	21 697	28 057	17 900
Indonesia	49	8 656	13 889	11 546	22 308	3 162	3 130	3 808	1 999	1 031
DPR Korea (e)	1 800	2 100	2 508	2 412	3 061	2 830	1 543	1 638	1 659	...
Malaysia	825	2 815	5 697	8 931	12 428	11 610	13 262	22 384	23 026	23 314
Mongolia	1 300	2 700	5 497	6 330	7 387	6 911	5 876	6 241	6 581	7 613
Philippines	...	...	1 623	1 378	1 086	1 265	1 577	1 110	1 629	601
Viet Nam	1 800	1 900	2 895	1 749	4 502	1 518	266	948	3 513	1 739
Other Asia	0	102	3 705	2 158	3 199	4 178	1 879	1 792	3 090	2 398
Asia	96 524	114 230	74 974	62 967	68 457	41 450	31 852	60 272	75 005	65 687
Australia	380 523	427 389	465 625	524 056	613 379	754 302	810 529	854 443	872 751	887 434
New Zealand	819	810	233	1 665	1 971	2 201	2 071	3 214	2 931	...
Oceania	381 342	428 199	465 858	525 722	615 349	756 503	812 600	857 657	875 682	887 434
World	963 015	1 123 632	1 149 956	1 213 865	1 341 346	1 485 858	1 510 840	1 584 629	1 638 200	1 652 057

Table 52

Imports of Iron Ore

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	3 471	5 955	6 732	6 056	5 864	5 100	5 137	4 152	5 695	5 518
Belgium-Luxembourg	3 255	7 527	7 430	6 311	6 351	6 812	6 631	6 998	7 509	7 189
Bulgaria	139	0	1	2	10	14	1	1	3	3
Czech Republic	4 803	3 853	7 366	5 871	6 237	6 305	6 370	6 345	5 464	5 327
Denmark	49	51	100	78	40	29	53	85	49	61
Germany	28 812	43 082	39 672	40 724	40 930	43 030	40 964	41 273	38 265	39 557
Finland	2 204	2 984	3 045	3 221	2 903	3 078	3 423	3 516	3 166	3 551
France	10 015	15 245	13 512	13 604	15 285	17 106	15 655	13 947	16 238	16 070
Hungary	1 493	1 888	1 781	1 632	845	1 265	1 641	1 208	1 968	2 001
Italy	8 160	10 863	14 675	13 434	11 522	9 511	8 076	9 151	7 663	7 718
Netherlands	21 638	33 944	33 432	28 269	31 883	29 675	30 911	30 574	28 080	27 023
Poland	3 752	5 563	5 968	6 583	6 640	7 433	7 247	7 061	7 615	7 703
Romania	806	2 462	2 187	2 023	2 546	2 226	2 964	2 720	2 672	2 965
Slovak Republic	4 186	5 174	5 103	5 404	5 647	6 012	5 536	6 031	6 087	6 326
Spain	3 951	5 877	5 144	4 506	6 259	5 699	6 377	6 010	6 546	6 556
Sweden	41	55	51	44	26	26	70	175	171	186
United Kingdom	9 186	10 597	9 175	10 062	14 137	14 469	12 047	9 292	9 711	8 898
Other E.U.	18	1	4	5	4	11	28	22	23	27
European Union (28)	105 979	155 124	155 378	147 830	157 129	157 800	153 130	148 560	146 926	146 680
Norway	134	149	128	93	74	49	27	75	87	29
Serbia	3 100	3 422	1 621	241	338	293	1 287	1 771	2 154	2 220
Turkey	5 685	6 382	6 644	7 842	8 114	8 544	10 011	10 418	10 931	10 736
Other Europe	23 110	5	149	12	9	13	12	14	16	12
Other Europe	32 029	9 959	8 542	8 188	8 536	8 900	11 338	12 277	13 188	12 997
Kazakhstan	504	624	...	0	...	0	...	...	...	0
Russia	8 404	4 524	146	225	86	10 341	8 103	7 203	8 458	7 996
Ukraine	3 339	2 738	1 838	2 882	3 110	3 212	2 255	1 765	297	112
Other CIS			7	45	22	48	52	186	188	151
C.I.S.	12 247	7 886	1 991	3 153	3 219	13 601	10 410	9 154	8 943	8 259
Canada	3 103	8 126	7 129	6 500	6 112	8 955	6 596	7 100	7 992	10 082
Mexico	557	1 426	1 460	1 368	1 142	1 551	1 460	3 699	2 541	3 301
Trinidad and Tobago	2 340	4 347	4 381	4 691	4 659	5 445	7 779	5 890	3 786	2 173
United States	3 868	6 417	5 268	5 132	3 172	5 097	4 550	3 079	6 371	5 678
Other North America	1	0	257	5	1	0	0	0	1	159
North America	9 869	20 316	18 494	17 696	15 086	21 049	20 385	19 768	20 690	21 394
Argentina	3 229	6 400	6 891	5 328	5 828	6 385	5 189	4 298	4 864	3 075
Brazil	155	126	0	0	0	5	0	0	0	0
Colombia	20	9	4	3	3	0	1	1	1	0
Paraguay	...	...	135	48	49	81	108	122	117	8
Peru	0	30	30	0	0	0	0	0	0	0
Venezuela	...	...	182	0	0	...	...	...	...	...
Other South America	0	1	0	1	0	0	0	1	1	...
South America	3 404	6 565	7 241	5 382	5 879	6 471	5 297	4 422	4 983	3 083
Algeria	0	117	11	26	0	0	0	3	4	386
Egypt	4 583	4 178	4 343	4 235	3 824	3 249	2 209	4 062	5 547	3 632
Libya	1 304	2 257	63	844	1 819	1 377	306	888	1 087	1 210
South Africa	352	401	417	558	476	479	429	341	466	487
Other Africa	0	1	85	12	167	371	2	51	813	1 976
Africa	6 239	6 953	4 918	5 675	6 287	5 476	2 946	5 344	7 917	7 690

Table 52
(continued)

Imports of Iron Ore

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Bahrain	4 144	6 330	7 217	5 103	2 969	5 460	6 059	4 853	5 636	8 992
Iran	216	...	...	39	0	500	492	65	...	0
Qatar	1 680	1 777	3 797	2 714	2 431	2 268	2 451	1 630	3 104	3 822
Saudi Arabia	6 039	9 019	7 516	4 161	3 575	5 111	4 031	6 596	6 685	5 927
United Arab Emirates	199	3 130	2 807	3 050	3 051	2 703	3 850	2 282	3 902	3 969
Other Middle East	47	154	6 466	10 254	10 137	10 506	10 943	9 164	13 208	12 913
Middle East	12 324	20 411	27 803	25 321	22 163	26 549	27 825	24 590	32 534	35 622
Bangladesh	101	0	158	...	...	...	0	...	...	0
China	628 175	618 915	686 747	745 434	820 175	933 108	953 370	1 024 709	1 075 398	1 064 562
Hong Kong	1 281	786	811	242	724	4 754	3 655	3 647	2 358	1 599
India	623	450	1 316	2 822	1 115	7 413	9 515	3 597	5 362	15 890
Indonesia	1 488	2 029	1 804	973	1 932	3 869	5 424	5 110	5 420	5 582
Japan	105 471	134 335	128 489	131 114	135 886	136 436	131 010	130 035	126 526	123 852
South Korea	41 601	56 298	64 857	65 998	63 372	73 507	73 282	71 741	72 428	73 160
Malaysia	2 523	3 199	2 852	3 291	1 711	3 814	14 742	22 966	21 909	27 002
Pakistan	37	2	116	...	0	80	...	...	0	1
Philippines	1 066	2 334	3 045	6 746	6 891	6 352	15 836	3 287	5 050	4 028
Singapore	...	...	...	1	0	1	1	1	8	8
Taiwan, China	11 912	18 930	20 507	18 396	21 773	23 039	23 814	23 462	23 673	24 190
Thailand	...	...	82	11	11	4	...	...	...	...
Other Asia	1 940	1 807	245	14 110	234	114	298	14 640	4 312	9 891
Asia	796 219	839 084	911 030	989 138	1 053 825	1 192 491	1 230 947	1 303 195	1 342 443	1 349 763
Australia	3 852	5 503	4 987	3 951	4 070	3 003	2 792	815	341	769
Other Oceania	0	0	1	1	1	1	1	0	0	1
Oceania	3 852	5 503	4 988	3 952	4 071	3 004	2 793	815	342	769
World	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	1 586 257

Table 53

Exports of Scrap

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	1 082	969	952	978	999	1 077	1 051	1 114	1 231	1 169
Belgium	3 245	3 701	3 544	3 476	3 212	3 931	3 152	3 540	3 756	3 972
Bulgaria	511	949	851	731	611	399	240	240	399	382
Croatia	304	357	463	517	364	352	306	362	408	367
Cyprus	80	97	139	135	104	79	64	58	67	70
Czech Republic	1 443	1 775	1 993	1 901	1 880	2 045	1 751	1 774	2 101	2 243
Denmark	1 343	1 626	1 915	1 537	1 270	1 703	1 277	1 572	1 568	1 631
Estonia	384	507	537	593	489	415	291	369	561	489
Germany	7 275	9 176	9 034	8 924	8 378	8 433	7 492	8 675	8 174	8 085
Finland	276	224	337	363	326	398	353	318	336	420
France	5 364	6 683	6 167	6 118	5 985	6 177	5 380	5 428	6 176	6 429
Greece	35	67	87	57	71	62	24	17	38	69
Hungary	534	1 118	1 216	1 108	1 048	1 019	843	906	911	919
Ireland	392	469	588	491	404	440	349	350	447	584
Italy	325	422	318	325	254	269	309	353	426	462
Latvia	214	342	523	489	469	517	457	341	404	502
Lithuania	415	579	656	535	473	540	508	526	820	832
Luxembourg	115	121	91	83	75	90	100	117	111	105
Malta	28	29	38	34	28	49	29	38	45	147
Netherlands	4 340	5 080	4 482	4 798	4 195	3 994	4 055	5 037	5 572	6 159
Poland	911	1 283	1 660	1 833	1 909	2 005	1 431	1 340	1 397	1 677
Portugal	173	237	141	167	245	230	215	216	434	480
Romania	2 565	2 517	2 340	1 894	1 946	1 422	710	702	816	952
Slovak Republic	313	504	633	414	353	489	486	570	556	631
Slovenia	285	343	408	414	394	415	396	370	445	477
Spain	286	277	425	663	510	600	345	331	398	736
Sweden	1 415	1 313	1 422	1 525	1 298	1 441	1 246	1 389	1 402	1 330
United Kingdom	6 008	7 519	7 814	7 299	6 948	6 987	7 270	8 130	8 813	8 702
European Union (28)	39 662	48 285	48 774	47 403	44 238	45 577	40 129	44 183	47 813	50 022
Albania	102	194	97	100	24	23	17	32	23	12
Bosnia-Herzegovina	90	136	227	218	184	156	121	117	206	167
Macedonia	72	154	73	53	30	29	35	46	40	44
Montenegro	15	51	39	43	29	17	4	2	28	19
Norway	228	338	290	346	363	423	420	459	483	534
Serbia	67	417	358	373	330	267	168	161	300	189
Switzerland	565	624	628	627	712	632	620	681	757	722
Turkey	67	94	106	95	102	168	145	156	172	180
Other Europe	68	55	54	44	114	69	52	61	60	132
Other Europe	1 275	2 063	1 872	1 898	1 889	1 784	1 582	1 715	2 068	1 998
Byelorussia	5	4	28	19	10	13	11	12	9	11
Georgia	383	427	402	199	52	23	15	4	13	52
Kazakhstan	856	816	866	781	726	14	7	194	11	99
Kyrgyzstan	25	28	54	17	2	1	0	0	3	8
Moldova	2	189	89	28	127	4	1	1	4	1
Russia	1 202	2 390	4 042	4 349	3 714	5 765	5 910	5 524	5 247	5 542
Ukraine	891	665	802	367	255	928	1 208	273	487	328
Other CIS	0	5	4	4	2	2	2	27	14	12
C.I.S.	3 363	4 526	6 286	5 763	4 888	6 751	7 155	6 035	5 787	6 052

Table 53
(continued)

Exports of Scrap

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Canada	4 793	5 191	4 846	4 248	4 521	4 510	3 415	3 632	4 409	5 107
Costa Rica	87	114	144	131	143	147	120	83	103	114
Dominican Republic	86	143	225	198	176	229	124	120	161	195
El Salvador	16	55	64	42	31	31	20	11	19	13
Guatemala	7	19	30	22	30	33	10	18	22	24
Haiti	21	35	43	50	24	37	27	26	32	54
Honduras	41	70	76	60	60	65	59	51	72	53
Jamaica	40	66	90	5	19	40	17	21	30	41
Mexico	702	1 014	1 053	858	779	701	459	416	626	787
Nicaragua	37	58	77	63	54	53	46	39	40	54
Panama	87	135	169	134	67	153	119	215	268	213
Trinidad and Tobago	16	50	49	58	62	82	52	48	53	100
United States	22 439	20 557	24 373	21 397	18 495	15 340	12 976	12 819	15 016	17 332
Other North America	50	98	106	137	125	89	40	28	57	64
North America	28 420	27 606	31 344	27 403	24 585	21 511	17 482	17 527	20 908	24 151
Bolivia	16	36	46	44	40	52	49	30	41	51
Brazil	115	80	259	444	453	648	679	611	589	356
Chile	61	131	267	221	204	337	253	221	262	351
Colombia	36	92	107	63	76	64	34	27	56	88
Ecuador	40	17	3	3	3	4	3	4	3	5
Paraguay	36	58	53	58	54	57	77	51	82	99
Other South America	33	26	56	78	76	27	30	16	15	20
South America	337	441	791	912	907	1 189	1 125	960	1 049	970
Algeria	668	379	1	0	...	0	0	0	...	0
Egypt	30	786	32	46	30	23	13	69	13	25
Ghana	48	53	74	57	23	32	12	10	10	21
Morocco	36	133	31	35	72	64	47	48	20	18
South Africa	1 144	1 224	1 436	1 632	1 485	1 486	1 266	644	467	460
Zimbabwe	42	51	28	8	8	37	21	8	4	8
Other Africa	467	747	1 024	821	689	626	630	527	857	839
Africa	2 435	3 374	2 626	2 598	2 307	2 269	1 989	1 307	1 372	1 371
Bahrain	68	81	112	106	96	107	61	66	162	185
Iran	7	69	12	21	2	0	0	2	1	0
Israel	278	414	378	338	209	265	141	201	285	314
Kuwait	124	201	221	221	123	130	55	36	67	136
Lebanon	323	512	553	365	408	265	173	248	383	372
United Arab Emirates	731	1 231	1 271	1 004	920	1 162	964	901	786	1 209
Other Middle East	87	127	146	139	111	92	70	45	345	293
Middle East	1 617	2 636	2 693	2 195	1 869	2 022	1 464	1 498	2 029	2 509
China	9	373	25	1	0	1	1	1	2 230	337
Hong Kong	823	873	806	729	622	635	508	...	1 380	1 295
Indonesia	39	40	40	41	42	42	52	59	70	67
Japan	9 398	6 472	5 453	8 594	8 150	7 351	7 847	8 706	8 208	7 402
South Korea	485	459	397	236	205	298	418	559	621	410
Malaysia	78	101	70	80	53	52	47	151	273	435
Philippines	391	547	543	253	170	403	188	512	486	487
Singapore	556	585	606	852	978	911	844	1 048	790	775
Taiwan, China	154	93	104	96	74	67	62	77	104	94
Thailand	342	547	567	481	437	384	397	431	388	408
Other Asia	2 089	2 233	454	347	277	308	219	254	420	658
Asia	14 363	12 323	9 066	11 709	11 007	10 453	10 583	11 798	14 971	12 367
Australia	1 925	1 636	1 745	2 245	2 200	2 362	1 898	1 583	1 979	1 968
New Zealand	318	359	358	363	352	367	413	609	572	626
Other Oceania	45	74	98	94	68	57	30	22	69	44
Oceania	2 287	2 070	2 202	2 701	2 619	2 785	2 341	2 213	2 621	2 638
World	93 760	103 324	105 654	102 581	94 309	94 339	83 851	87 235	98 618	102 078

Table 54

Imports of Scrap

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Austria	1 149	967	998	1 060	1 141	1 188	1 098	1 018	1 040	1 077
Belgium	3 679	5 294	4 633	4 054	4 213	4 760	4 167	4 084	4 643	4 489
Bulgaria	202	697	230	114	93	115	105	92	101	166
Czech Republic	378	393	463	456	546	565	493	475	442	446
Denmark	270	242	342	229	236	253	113	101	135	189
Estonia	9	277	10	7	20	36	55	84	126	164
Germany	3 865	5 305	6 180	5 484	5 340	5 045	4 236	4 348	4 463	4 018
Finland	467	745	700	203	49	81	65	10	15	17
France	2 405	2 416	2 658	2 705	2 363	2 473	2 247	1 806	1 909	1 832
Greece	1 159	995	935	498	301	455	438	764	889	934
Hungary	31	54	44	47	47	70	97	90	94	82
Italy	3 321	4 591	5 747	5 264	4 957	5 145	4 643	4 434	5 209	5 616
Latvia	214	612	365	883	318	201	124	110	140	141
Lithuania	30	320	72	56	30	35	24	30	84	205
Luxembourg	1 830	1 722	2 449	1 682	805	1 403	903	2 258	2 197	2 089
Netherlands	1 851	1 803	1 612	1 872	1 742	1 885	1 641	1 940	2 238	2 849
Poland	597	372	403	385	507	481	745	779	806	855
Portugal	481	323	460	587	1 279	1 352	1 490	1 396	1 616	1 755
Slovak Republic	155	331	149	339	380	234	165	162	253	368
Slovenia	282	515	558	550	538	576	514	531	571	578
Spain	4 642	5 712	4 597	4 289	4 705	4 827	5 030	3 965	4 101	3 816
Sweden	174	225	238	236	256	295	261	275	293	284
United Kingdom	220	277	425	286	303	351	302	266	345	400
Other E.U.	18	1 654	65	74	80	113	112	143	198	304
European Union (28)	27 428	35 842	34 333	31 359	30 252	31 941	29 068	29 163	31 908	32 673
Albania	84	236	160	99	39	105	49	2	81	110
Macedonia	201	275	287	135	47	129	71	81	168	114
Montenegro	33	51	34	8	7	2	13	4	6	0
Norway	91	109	139	211	203	156	184	266	278	325
Serbia	10	270	35	90	169	148	105	24	18	4
Switzerland	313	453	456	344	417	426	474	459	521	490
Turkey	15 666	19 200	21 453	22 415	19 725	19 068	16 251	17 716	20 980	20 660
Other Europe	32	37	19	1	4	9	2	10	7	3
Other Europe	16 429	20 630	22 583	23 303	20 612	20 043	17 149	18 563	22 059	21 706
Byelorussia	1 294	1 595	1 561	1 356	1 239	1 253	1 382	1 235	1 353	1 497
Moldova	304	143	121	27	73	101	256	5	309	301
Russia	9	27	0	4	5	264	235	444	755	646
Ukraine	11	10	127	116	239	28	3	22	25	43
Uzbekistan	227	276	249	250	297	0	0	153	5	52
Other CIS	857	821	868	871	734	18	1	14	10	35
C.I.S.	2 702	2 872	2 924	2 624	2 587	1 665	1 876	1 874	2 458	2 574
Canada	1 424	3 049	1 925	2 343	1 746	1 520	1 516	1 839	2 115	3 471
Mexico	850	934	733	946	864	915	1 483	1 893	1 782	1 913
United States	2 986	3 773	4 003	3 711	3 882	4 215	3 513	3 864	4 636	5 030
Other North America	39	21	116	69	25	12	19	12	61	124
North America	5 299	7 777	6 777	7 070	6 517	6 661	6 530	7 607	8 594	10 538
Brazil	28	134	79	51	55	23	25	33	20	267
Peru	174	308	192	265	340	372	430	415	500	491
Other South America	14	199	105	137	182	219	187	209	309	205
South America	217	641	375	452	577	614	643	657	828	963

Table 54
(continued)

Imports of Scrap

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Egypt	1 299	2 736	2 644	2 021	2 891	2 971	928	1 028	2 035	5
Morocco	220	182	448	474	292	360	563	312	350	439
South Africa	41	54	32	11	28	101	74	66	67	100
Other Africa	80	13	18	18	40	19	23	10	25	65
Africa	1 639	2 985	3 141	2 524	3 251	3 451	1 587	1 416	2 477	610
Iran	6	3	6	5	24	2	1	15	13	36
United Arab Emirates	57	41	90	45	41	184	62	52	125	155
Other Middle East	52	49	133	183	76	975	584	656	956	785
Middle East	116	93	228	232	140	1 161	647	723	1 094	976
Bangladesh	545	238	325	205	279	459	946	2 011	2 142	2 372
China	13 692	5 848	6 767	4 974	4 465	2 564	2 328	2 162	2 326	1 343
Hong Kong	317	258	269	155	151	108	135	87	309	304
India	4 727	4 643	6 175	8 156	5 632	5 699	6 710	6 380	5 365	6 330
Indonesia	1 500	1 644	2 157	1 944	2 399	2 137	1 020	1 020	1 857	2 510
Japan	194	491	580	225	234	370	149	176	232	216
South Korea	7 800	8 091	8 628	10 126	9 260	8 002	5 758	5 845	6 175	6 393
Malaysia	1 741	2 308	2 050	1 816	1 921	961	446	316	844	980
Pakistan	1 806	793	955	922	874	1 340	2 119	2 388	2 830	2 469
Singapore	347	345	299	295	130	114	46	52	225	138
Taiwan, China	3 912	5 364	5 328	4 954	4 446	4 272	3 373	3 155	2 919	3 629
Thailand	1 490	1 483	1 877	1 701	961	1 383	945	953	1 741	1 724
Viet Nam	1 830	1 889	1 451	2 169	2 131	2 277	2 466	3 286	4 550	4 706
Other Asia	452	102	54	179	80	39	73	58	68	58
Asia	40 351	33 497	36 917	37 821	32 963	29 724	26 514	27 888	31 581	33 171
Australia	2	3	3	5	2	23	22	81	52	55
New Zealand	0	228	18	16	14	15	9	7	8	8
Other Oceania	13	38	36	1	32	0	0	0	49	1
Oceania	15	269	57	22	48	37	31	88	108	64
World	94 197	104 606	107 335	105 407	96 947	95 299	84 046	87 978	101 108	103 276

Table 55

Indirect Exports of Steel

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	3 834	2 706	3 189	3 574	3 588	3 606	3 661	3 685	3 761	3 899
Belgium-Luxembourg	6 916	5 466	5 471	6 436	7 272	7 942	7 566	6 826	7 644	7 388
Bulgaria	402	278	358	488	483	477	493	509	496	555
Croatia	711	380	430	438	420	337	376	438	441	355
Cyprus	17	23	15	13	15	14	16	16	8	9
Czech Republic	5 812	4 425	5 067	6 077	6 149	6 287	6 652	6 998	7 284	7 779
Denmark	1 977	1 412	1 482	1 852	1 684	1 667	1 843	1 597	1 608	1 843
Estonia	356	295	334	345	379	386	336	331	298	388
Finland	1 415	1 006	1 000	955	1 004	1 171	1 022	1 002	888	1 111
France	11 322	7 367	8 609	9 444	8 579	7 941	7 889	8 561	8 237	8 436
Germany	30 249	22 106	26 839	30 405	30 110	30 650	32 061	32 201	32 991	35 627
Greece	286	228	240	292	301	179	278	274	284	279
Hungary	2 249	1 613	1 890	2 169	2 201	2 484	2 754	2 944	3 017	3 115
Ireland	331	251	270	359	348	344	335	345	341	379
Italy	15 292	10 284	12 047	13 086	12 802	12 823	12 980	13 234	13 535	14 297
Latvia	209	158	189	240	230	222	246	229	240	284
Lithuania	688	477	582	718	724	750	661	508	539	688
Malta	10	8	7	7	10	9	12	12	13	21
Netherlands	6 175	3 946	5 137	6 913	6 882	7 394	6 864	5 594	5 882	6 218
Poland	7 373	6 145	6 799	7 842	8 210	8 641	9 103	9 400	8 704	8 992
Portugal	1 522	1 202	1 316	1 461	1 717	1 720	1 717	1 691	1 681	1 851
Romania	1 529	1 438	1 613	1 852	1 846	2 034	2 119	2 168	2 375	2 555
Slovak Republic	2 815	1 912	2 263	2 607	2 931	3 205	3 327	3 517	3 532	3 668
Slovenia	1 151	880	951	996	955	953	1 002	1 056	1 421	1 119
Spain	9 662	7 706	8 068	9 091	8 612	8 696	8 942	9 205	9 584	9 925
Sweden	3 157	2 064	2 575	2 970	2 746	2 666	2 645	2 704	3 010	3 160
United Kingdom	6 833	4 684	5 647	6 207	5 997	5 998	5 848	5 815	5 983	6 059
European Union (28)	122 294	88 461	102 389	116 836	116 195	118 596	120 748	120 859	123 799	130 003
Norway	1 575	1 164	1 117	1 143	671	650	784	712	947	918
Serbia and Montenegro	346	259	261	284	314	477	473	499	535	568
Switzerland	1 355	1 037	1 162	1 235	1 178	1 183	1 188	1 189	1 169	1 298
Turkey	5 787	4 359	4 729	5 181	5 471	5 831	6 238	6 328	6 468	7 292
Other Europe	9 064	6 819	7 268	7 843	7 633	8 142	8 683	8 728	9 119	10 076
Belarus	1 068	710	923	1 142	1 267	1 145	1 070	868	1 016	1 127
Kazakhstan	297	139	89	211	187	182	150	63	142	141
Russia	2 246	1 582	1 302	1 167	2 038	2 056	1 929	2 226	1 858	2 043
Ukraine	2 036	1 310	1 945	2 152	2 433	1 731	1 018	756	788	908
C.I.S.	5 647	3 740	4 259	4 672	5 926	5 114	4 167	3 913	3 804	4 218
Canada	5 891	3 825	4 836	5 645	5 839	5 166	5 823	5 685	6 570	5 974
Mexico	8 190	5 880	8 523	10 655	11 475	12 188	13 851	14 326	15 502	14 572
United States	20 156	13 792	18 682	22 937	22 013	21 315	22 398	19 936	20 787	19 818
N.A.F.T.A.	34 236	23 498	32 042	39 237	39 327	38 669	42 072	39 946	42 859	40 364
Argentina	924	672	895	1 014	882	890	713	526	484	564
Brazil	3 432	2 069	2 648	2 868	2 812	2 963	2 363	2 357	2 665	2 846
Chile	254	175	260	337	287	330	372	331	346	365
Colombia	212	154	148	151	171	188	164	153	152	164
Ecuador	84	72	72	65	91	61	50	52	47	56
Peru	58	57	80	76	106	101	100	91	104	100
Venezuela	239	47	20	68	23	48	16	18	4	6
South America	5 202	3 248	4 122	4 578	4 372	4 580	3 779	3 528	3 803	4 101

Table 55
(continued)

Indirect Exports of Steel

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Algeria	5	4	2	3	15	2	1	8	4	64
Angola	3	10	18	9	7	4	4	3	10	5
Cameroon	15	9	13	20	12	22	18	6	2	1
Egypt	233	324	320	214	135	223	241	132	127	91
Ethiopia	3	4	7	3	5	3	8	7	7	0
Ghana	6	16	17	56	73	43	9	5	21	14
Kenya	51	42	45	17	20	42	18	11	11	52
Morocco	50	56	76	85	136	180	252	320	371	325
Nigeria	3	12	7	9	7	5	4	5	4	3
South Africa	1 475	1 038	1 237	1 426	1 436	1 772	1 794	1 518	1 694	1 637
Tanzania	20	20	22	29	32	22	29	10	8	8
Africa	1 865	1 535	1 766	1 870	1 877	2 318	2 378	2 025	2 260	2 203
Iran	119	47	40	38	109	59	57	55	48	50
Saudi Arabia	160	55	277	103	194	729	767	719	701	41
United Arab Emirates	460	454	1 453	1 279	3 872	4 107	4 278	3 128	2 862	244
Middle East	739	556	1 769	1 420	4 175	4 895	5 102	3 902	3 611	335
Australia	697	549	667	753	835	866	829	890	868	476
China	56 068	44 710	62 010	71 460	69 431	67 239	67 458	70 455	71 053	79 445
India	3 720	3 314	2 539	4 518	4 692	4 858	5 296	5 056	4 973	3 531
Indonesia	1 693	1 274	1 467	1 554	1 629	1 565	1 710	1 643	1 810	1 306
Japan	29 204	20 858	26 532	26 875	26 972	24 194	22 959	21 749	22 661	21 813
Malaysia	1 764	1 657	2 008	1 788	1 809	1 252	1 864	1 895	1 996	1 849
New Zealand	189	165	131	177	182	173	161	170	167	102
Philippines	376	492	605	686	900	780	1 711	1 945	1 429	2 255
Singapore	2 263	1 891	2 268	2 725	2 390	2 598	2 335	1 967	1 828	1 378
South Korea	19 825	21 958	24 599	26 893	25 355	22 674	22 293	22 695	22 157	21 448
Taiwan, China	4 852	3 714	4 784	5 046	4 878	4 870	4 973	5 092	4 850	5 058
Thailand	3 427	2 652	3 687	4 235	4 751	4 906	5 121	4 968	5 480	4 326
Vietnam	423	307	468	666	805	805	870	874	1 122	1 477
Asia and Oceania	124 501	103 542	131 764	147 375	144 630	136 779	137 580	139 399	140 396	144 462
Total 74 countries	303 548	231 399	285 380	323 831	324 135	319 093	324 510	322 300	329 651	335 762

Table 56

Indirect Imports of Steel

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	3 812	2 901	3 269	3 730	3 687	3 696	3 650	3 781	4 013	4 133
Belgium-Luxembourg	7 212	5 872	5 760	7 513	7 493	8 323	7 766	7 108	8 038	8 183
Bulgaria	870	458	452	519	570	607	629	654	661	728
Croatia	976	558	487	499	463	436	447	499	575	650
Cyprus	193	186	183	153	100	71	76	84	99	151
Czech Republic	3 393	2 496	2 876	3 605	3 466	3 446	3 935	4 352	4 474	4 803
Denmark	2 567	1 630	1 776	1 978	1 876	2 225	2 618	2 505	2 452	2 869
Estonia	342	223	237	335	420	443	331	315	333	421
Finland	1 534	864	1 012	1 200	1 224	1 061	1 142	1 184	1 279	1 383
France	14 358	10 605	11 513	13 329	11 779	11 213	11 165	12 107	12 392	12 725
Germany	20 868	16 143	20 477	22 453	21 231	20 923	21 791	21 851	23 537	24 220
Greece	1 335	1 015	766	571	480	391	563	568	658	666
Hungary	1 889	1 241	1 486	1 695	1 593	1 828	2 153	2 328	2 412	2 553
Ireland	1 244	682	800	747	716	758	802	921	994	977
Italy	10 526	7 665	9 003	8 879	6 676	6 327	6 747	7 506	8 318	8 909
Latvia	327	158	193	298	342	284	286	278	283	338
Lithuania	922	412	535	748	700	745	805	653	719	815
Malta	64	55	51	56	46	46	91	81	113	138
Netherlands	6 842	4 259	5 655	6 772	6 263	6 478	6 828	6 270	6 358	7 049
Poland	6 189	4 759	5 332	6 031	5 804	6 231	6 854	6 985	6 061	6 126
Portugal	1 391	1 230	1 428	1 202	1 106	1 157	1 311	1 410	1 540	1 704
Romania	2 279	1 374	1 579	1 785	1 793	1 810	1 907	2 082	2 210	2 416
Slovak Republic	2 627	2 125	2 347	2 489	2 767	3 365	3 621	3 424	3 001	3 004
Slovenia	862	597	635	661	614	629	684	731	982	836
Spain	8 541	5 509	6 929	6 311	5 562	6 774	6 641	7 306	7 292	7 679
Sweden	3 487	2 173	2 869	3 392	3 113	3 113	3 181	3 258	3 568	3 851
United Kingdom	10 878	7 553	9 453	9 955	9 687	10 484	11 369	11 853	12 167	11 990
European Union (28)	115 529	82 741	97 103	106 905	99 570	102 862	107 392	110 093	114 528	119 317
Norway	3 722	2 087	2 792	2 342	2 346	2 612	2 266	2 552	2 586	2 402
Serbia and Montenegro	754	484	445	596	635	774	686	742	812	857
Switzerland	2 056	1 763	2 009	2 203	2 141	2 141	2 165	2 264	2 218	2 221
Turkey	3 045	2 515	3 483	4 158	4 132	4 310	3 912	4 476	4 514	4 681
Other Europe	9 578	6 849	8 728	9 299	9 254	9 837	9 029	10 035	10 129	10 161
Belarus	796	585	629	732	969	995	733	574	625	819
Kazakhstan	1 761	1 459	1 130	1 555	2 032	1 966	1 986	815	1 120	1 386
Russia	11 212	4 864	7 334	10 216	11 627	11 000	9 390	6 189	6 586	8 203
Ukraine	2 974	900	1 406	1 948	2 236	1 875	1 127	825	1 189	1 591
C.I.S.	16 742	7 808	10 499	14 451	16 863	15 836	13 236	8 403	9 520	11 999
Canada	11 368	8 264	10 712	12 217	12 854	12 853	12 246	11 398	11 826	11 060
Mexico	8 141	5 172	7 336	8 355	9 664	9 228	10 325	9 664	10 108	11 513
United States	33 053	23 485	30 005	35 341	38 297	39 088	39 132	42 694	44 314	44 246
N.A.F.T.A.	52 561	36 921	48 052	55 913	60 815	61 169	61 702	63 756	66 248	66 818
Argentina	1 808	1 142	1 727	2 159	1 784	1 913	1 484	1 537	1 638	2 135
Brazil	3 151	2 606	4 055	4 902	4 752	5 347	4 694	3 703	3 313	2 694
Chile	1 229	880	1 630	1 967	1 927	2 008	1 631	1 589	1 698	1 727
Colombia	999	779	1 026	1 442	1 469	1 294	1 398	1 220	1 109	1 043
Ecuador	476	392	509	561	563	592	586	474	355	504
Peru	800	652	898	1 026	1 205	1 181	1 091	1 069	1 081	1 052
Venezuela	1 149	702	553	583	1 170	792	681	530	334	166
South America	9 613	7 153	10 398	12 641	12 869	13 127	11 565	10 122	9 529	9 321

Table 56
(continued)

Indirect Imports of Steel

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Algeria	1 446	1 595	1 591	1 489	1 771	1 921	2 183	2 100	1 804	1 675
Angola	1 048	1 462	760	1 025	1 172	1 396	1 511	551	228	273
Cameroon	211	154	190	245	206	214	241	84	182	179
Egypt	1 136	1 010	1 927	1 183	966	1 050	1 341	1 160	1 048	945
Ethiopia	291	351	412	339	515	653	859	933	723	324
Ghana	495	445	475	726	880	624	441	537	788	800
Kenya	301	220	237	383	447	388	590	582	556	681
Morocco	888	875	782	798	886	879	856	857	1 189	936
Nigeria	1 414	1 135	1 156	1 507	1 460	1 647	1 655	1 284	731	447
South Africa	1 793	1 161	1 542	2 041	2 059	2 169	1 854	1 621	1 522	1 725
Tanzania	421	397	427	480	483	463	629	493	472	397
Africa	9 446	8 804	9 497	10 215	10 845	11 406	12 161	10 203	9 244	8 381
Iran	2 165	1 303	1 793	1 874	1 791	1 485	2 058	1 788	1 707	1 613
Saudi Arabia	2 901	2 138	2 501	3 307	3 833	5 829	5 708	6 130	4 343	2 143
United Arab Emirates	4 546	2 678	3 113	3 590	5 391	5 357	6 286	4 927	4 370	2 801
Middle East	9 612	6 119	7 406	8 772	11 015	12 671	14 052	12 844	10 420	6 557
Australia	4 584	3 320	4 223	5 203	6 223	6 057	5 656	5 827	5 691	5 455
China	8 923	9 013	11 874	13 635	12 797	12 577	12 329	9 856	10 579	11 800
India	3 948	3 497	3 471	3 423	4 606	5 900	4 423	4 643	5 851	4 265
Indonesia	3 898	3 317	4 102	4 855	5 367	4 744	4 627	4 301	4 634	6 071
Japan	6 469	4 796	5 932	6 541	7 054	7 067	7 386	7 135	7 422	7 731
Malaysia	1 936	2 236	2 924	2 203	2 437	2 285	2 385	2 415	2 710	3 034
New Zealand	763	489	519	634	714	817	976	985	1 035	993
Philippines	1 198	1 164	1 340	1 306	1 504	1 666	1 749	2 042	2 967	3 348
Singapore	3 557	2 321	2 579	3 371	3 800	3 099	2 704	2 453	2 356	1 631
South Korea	5 460	5 632	5 977	6 057	6 419	6 499	6 087	6 603	6 698	6 847
Taiwan, China	1 522	1 151	1 571	1 654	1 501	1 536	1 567	1 672	1 711	1 662
Thailand	2 392	1 972	2 486	3 024	3 826	3 721	3 303	3 319	3 367	2 962
Vietnam	1 157	1 001	1 141	1 361	1 148	1 356	1 640	2 027	2 133	2 961
Asia and Oceania	45 806	39 907	48 139	53 268	57 396	57 323	54 834	53 279	57 154	58 762
Total 74 countries	268 886	196 303	239 822	271 464	278 627	284 231	283 972	278 734	286 773	291 317

Table 57

Indirect Net Exports of Steel

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	22	-195	-80	-156	-99	-90	10	-96	-252	-234
Belgium-Luxembourg	-296	-406	-289	-1,077	-221	-381	-200	-282	-394	-795
Bulgaria	-468	-180	-94	-31	-87	-130	-137	-145	-165	-173
Croatia	-265	-178	-57	-61	-43	-99	-71	-61	-133	-295
Cyprus	-175	-163	-169	-140	-84	-57	-60	-68	-91	-142
Czech Republic	2,419	1,930	2,190	2,473	2,683	2,840	2,717	2,647	2,810	2,977
Denmark	-590	-218	-294	-126	-192	-558	-775	-909	-844	-1,025
Estonia	14	72	97	10	-40	-57	5	17	-34	-32
Finland	-119	142	-12	-246	-220	110	-120	-182	-390	-272
France	-3,036	-3,238	-2,905	-3,885	-3,200	-3,271	-3,276	-3,546	-4,155	-4,289
Germany	9,382	5,963	6,362	7,952	8,879	9,727	10,271	10,350	9,453	11,406
Greece	-1,049	-786	-526	-280	-179	-212	-285	-293	-374	-387
Hungary	360	373	404	475	608	657	601	616	605	562
Ireland	-912	-431	-530	-388	-369	-415	-467	-576	-653	-598
Italy	4,765	2,619	3,044	4,207	6,125	6,496	6,234	5,728	5,217	5,388
Latvia	-118	0	-3	-58	-112	-63	-40	-48	-43	-54
Lithuania	-234	65	47	-30	24	5	-144	-145	-180	-127
Malta	-54	-47	-44	-49	-36	-37	-79	-70	-100	-118
Netherlands	-667	-313	-518	140	619	916	36	-677	-476	-831
Poland	1,185	1,386	1,468	1,811	2,406	2,411	2,250	2,416	2,643	2,867
Portugal	130	-28	-111	258	612	563	407	280	141	147
Romania	-750	64	33	67	53	224	212	86	164	139
Slovak Republic	188	-213	-84	117	164	-160	-294	93	531	665
Slovenia	288	283	316	335	341	324	318	324	439	283
Spain	1,122	2,197	1,139	2,780	3,050	1,922	2,301	1,899	2,292	2,246
Sweden	-330	-109	-294	-421	-367	-447	-536	-554	-558	-691
United Kingdom	-4,045	-2,869	-3,806	-3,748	-3,690	-4,486	-5,521	-6,038	-6,184	-5,931
European Union (28)	6,765	5,720	5,286	9,930	16,624	15,734	13,356	10,766	9,271	10,686
Norway	-2,147	-923	-1,675	-1,199	-1,675	-1,962	-1,482	-1,840	-1,639	-1,484
Serbia and Montenegro	-408	-225	-184	-312	-321	-297	-213	-243	-277	-290
Switzerland	-701	-726	-847	-969	-963	-957	-977	-1,076	-1,049	-923
Turkey	2,742	1,844	1,247	1,023	1,339	1,521	2,326	1,852	1,954	2,611
Other Europe	-514	-30	-1,459	-1,457	-1,621	-1,695	-346	-1,307	-1,010	-85
Belarus	272	124	294	410	298	149	337	294	391	308
Kazakhstan	-1,464	-1,320	-1,041	-1,344	-1,844	-1,784	-1,836	-751	-978	-1,246
Russia	-8,966	-3,282	-6,032	-9,049	-9,588	-8,944	-7,461	-3,963	-4,728	-6,161
Ukraine	-937	409	539	205	197	-144	-109	-69	-401	-682
C.I.S.	-11,095	-4,068	-6,240	-9,779	-10,938	-10,722	-9,069	-4,490	-5,716	-7,781
Canada	-5,477	-4,438	-5,875	-6,572	-7,016	-7,687	-6,423	-5,714	-5,256	-5,086
Mexico	49	708	1,187	2,300	1,811	2,960	3,526	4,661	5,394	3,060
United States	-12,897	-9,692	-11,322	-12,404	-16,283	-17,773	-16,734	-22,758	-23,528	-24,428
N.A.F.T.A.	-18,325	-13,423	-16,011	-16,676	-21,488	-22,499	-19,630	-23,810	-23,389	-26,454
Argentina	-884	-470	-832	-1,146	-902	-1,023	-771	-1,012	-1,153	-1,571
Brazil	280	-537	-1,407	-2,034	-1,940	-2,384	-2,330	-1,346	-648	152
Chile	-975	-705	-1,370	-1,630	-1,640	-1,678	-1,259	-1,257	-1,352	-1,363
Colombia	-787	-625	-878	-1,291	-1,298	-1,106	-1,234	-1,067	-957	-879
Ecuador	-392	-319	-437	-497	-472	-531	-535	-422	-308	-448
Peru	-743	-595	-818	-950	-1,099	-1,080	-991	-977	-977	-951
Venezuela	-911	-655	-534	-515	-1,147	-745	-665	-512	-330	-160
South America	-4,411	-3,906	-6,276	-8,062	-8,497	-8,547	-7,786	-6,594	-5,726	-5,221

Table 57
(continued)

Indirect Net Exports of Steel

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Algeria	-1,441	-1,591	-1,588	-1,486	-1,756	-1,920	-2,182	-2,092	-1,800	-1,611
Angola	-1,045	-1,451	-741	-1,015	-1,165	-1,392	-1,507	-549	-218	-267
Cameroon	-197	-145	-176	-225	-194	-193	-224	-79	-180	-177
Egypt	-903	-686	-1,606	-969	-831	-828	-1,099	-1,028	-921	-854
Ethiopia	-287	-346	-405	-336	-510	-650	-851	-926	-717	-324
Ghana	-489	-430	-457	-671	-807	-581	-432	-532	-767	-785
Kenya	-250	-179	-192	-366	-428	-346	-572	-571	-545	-629
Morocco	-838	-819	-705	-713	-750	-698	-604	-536	-819	-611
Nigeria	-1,411	-1,123	-1,149	-1,498	-1,453	-1,642	-1,651	-1,279	-727	-443
South Africa	-318	-122	-304	-616	-623	-398	-60	-103	171	-88
Tanzania	-401	-376	-405	-452	-451	-441	-600	-483	-463	-388
Africa	-7,581	-7,269	-7,731	-8,345	-8,967	-9,088	-9,783	-8,178	-6,984	-6,179
Iran	-2,047	-1,256	-1,753	-1,836	-1,682	-1,427	-2,000	-1,733	-1,659	-1,563
Saudi Arabia	-2,741	-2,083	-2,224	-3,205	-3,639	-5,100	-4,941	-5,411	-3,642	-2,102
United Arab Emirates	-4,086	-2,224	-1,660	-2,312	-1,519	-1,250	-2,009	-1,799	-1,507	-2,557
Middle East	-8,873	-5,563	-5,637	-7,352	-6,839	-7,776	-8,950	-8,943	-6,809	-6,222
Australia	-3,887	-2,771	-3,556	-4,450	-5,389	-5,191	-4,827	-4,937	-4,823	-4,978
China	47,145	35,697	50,136	57,825	56,634	54,662	55,129	60,599	60,475	67,645
India	-228	-183	-931	1,094	87	-1,042	873	413	-878	-735
Indonesia	-2,205	-2,043	-2,635	-3,301	-3,738	-3,179	-2,918	-2,659	-2,824	-4,765
Japan	22,735	16,061	20,599	20,333	19,918	17,127	15,573	14,614	15,239	14,082
Malaysia	-172	-579	-916	-415	-628	-1,033	-521	-520	-714	-1,186
New Zealand	-574	-323	-388	-457	-532	-644	-816	-815	-868	-892
Philippines	-822	-672	-734	-620	-604	-886	-38	-96	-1,538	-1,094
Singapore	-1,294	-430	-311	-646	-1,410	-501	-369	-486	-528	-253
South Korea	14,365	16,326	18,622	20,836	18,936	16,175	16,206	16,092	15,460	14,600
Taiwan, China	3,330	2,564	3,213	3,392	3,377	3,334	3,407	3,420	3,139	3,396
Thailand	1,036	680	1,200	1,211	924	1,185	1,818	1,649	2,113	1,364
Vietnam	-734	-694	-673	-695	-343	-551	-770	-1,153	-1,011	-1,484
Asia and Oceania	78,695	63,634	83,625	94,107	87,234	79,456	82,746	86,120	83,242	85,700
Total 74 countries	34,662	35,095	45,558	52,367	45,508	34,862	40,538	43,566	42,878	44,445

Table 58

True Steel Use
(finished steel equivalent)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	3 863	3 300	3 590	4 050	3 757	3 656	3 596	4 001	4 081	4 322
Belgium-Luxembourg	5 696	4 506	4 900	6 111	4 469	4 572	4 523	4 611	4 780	5 352
Bulgaria	2 311	916	877	1 091	1 033	1 164	1 572	1 431	1 538	1 209
Croatia	1 379	957	792	721	667	742	706	737	871	1 053
Cyprus	666	468	510	371	245	187	167	211	244	389
Czech Republic	4 117	2 576	3 330	3 590	3 167	3 025	3 478	3 953	3 890	3 923
Denmark	2 374	1 141	1 346	1 552	1 617	1 974	2 195	2 369	2 389	2 503
Estonia	385	103	195	340	357	383	336	301	465	504
Finland	2 432	1 418	1 416	1 362	2 137	1 610	1 829	1 891	2 096	2 249
France	19 616	14 728	17 343	19 103	16 404	16 888	16 802	17 121	18 425	19 048
Germany	32 985	22 242	29 876	32 760	28 618	28 286	29 371	28 787	31 001	29 594
Greece	4 676	3 335	2 458	1 732	1 210	1 368	1 589	1 324	1 903	1 746
Hungary	2 370	1 160	1 373	1 413	1 098	1 206	1 485	1 727	1 933	2 097
Ireland	1 805	787	952	784	776	819	946	1 141	1 216	1 266
Italy	28 523	17 456	22 608	22 343	15 394	15 408	15 694	18 760	18 516	19 747
Latvia	541	273	372	643	313	279	361	321	382	298
Lithuania	783	198	308	470	436	516	733	709	849	801
Malta	107	92	100	83	69	68	118	113	142	153
Netherlands	5 416	3 336	4 036	3 941	3 407	2 826	3 427	4 173	4 498	4 812
Poland	10 457	6 489	8 185	9 088	7 889	8 122	9 894	10 365	10 530	11 259
Portugal	3 164	2 332	2 605	1 958	1 400	1 794	1 696	2 048	2 117	2 294
Romania	5 917	2 581	3 253	3 697	3 269	3 073	3 618	3 911	3 900	4 052
Slovak Republic	1 948	1 599	1 884	1 726	1 675	2 177	2 435	2 133	1 723	1 773
Slovenia	959	592	675	690	558	562	596	642	594	758
Spain	16 875	9 679	11 929	10 334	7 383	9 001	9 298	10 808	10 284	10 447
Sweden	4 669	2 678	3 934	4 313	3 869	4 037	3 924	3 928	4 431	4 817
United Kingdom	17 079	10 778	13 659	13 933	13 369	14 078	16 201	16 532	17 067	16 934
European Union (28)	181 114	115 720	142 504	148 198	124 587	127 819	136 591	144 048	149 863	153 400
Norway	3 339	1 854	2 522	2 261	2 681	2 922	2 915	2 875	2 652	2 654
Serbia and Montenegro	1 558	1 088	748	1 029	898	777	850	1 085	1 261	1 503
Switzerland	3 148	2 667	3 305	3 605	3 662	3 738	3 749	3 661	3 852	3 651
Turkey	18 711	16 182	22 320	25 908	27 129	29 780	28 447	32 529	32 123	33 315
Other Europe	26 755	21 791	28 895	32 803	34 371	37 217	35 961	40 150	39 887	41 122
Belarus	2 203	1 700	2 284	2 084	2 314	2 449	1 817	1 407	1 301	1 685
Kazakhstan	3 861	3 957	3 146	3 571	4 625	5 274	4 593	3 435	3 293	3 876
Russia	44 433	28 110	42 777	50 539	52 381	52 254	50 607	43 787	43 477	47 022
Ukraine	7 637	3 513	4 941	6 127	5 951	5 713	4 341	3 378	4 646	5 159
C.I.S.	58 134	37 279	53 148	62 322	65 272	65 689	61 358	52 008	52 717	57 742
Canada	20 152	13 969	19 965	20 743	22 591	22 487	22 198	18 649	18 769	20 217
Mexico	17 688	14 467	16 573	17 504	19 100	17 614	19 946	20 220	20 093	23 449
United States	111 306	68 898	91 219	101 604	112 483	113 473	123 691	118 889	115 389	122 150
N.A.F.T.A.	149 145	97 335	127 758	139 851	154 174	153 573	165 834	157 757	154 250	165 816
Argentina	5 670	3 673	5 452	6 484	5 801	6 088	5 780	6 266	5 359	6 491
Brazil	23 768	19 113	28 076	28 128	28 513	30 402	27 936	22 641	19 168	19 371
Chile	3 542	2 410	3 752	4 368	4 648	4 379	3 896	4 054	4 112	4 262
Colombia	3 345	2 858	3 677	4 509	4 804	4 594	5 188	5 099	4 617	4 439
Ecuador	1 708	1 364	1 680	2 247	1 977	2 465	2 195	2 123	1 874	2 181
Peru	2 892	2 180	3 239	3 372	3 775	3 846	3 891	4 469	4 243	4 610
Venezuela	4 311	3 339	2 800	3 121	4 137	3 617	2 703	2 356	1 065	671
South America	45 236	34 937	48 676	52 228	53 654	55 391	51 590	47 009	40 439	42 026

Table 58
(continued)

True Steel Use
(finished steel equivalent)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Algeria	5 138	5 868	4 651	5 273	6 400	7 561	8 355	8 082	7 488	7 424
Angola		2 395	1 373	1 801	2 203	2 410	2 541	1 328	515	476
Cameroon	349	314	335	380	427	425	493	348	422	369
Egypt	8 363	11 740	10 938	8 749	10 299	10 035	11 281	11 890	12 604	11 032
Ethiopia		852	715	793	1 205	1 453	1 686	1 964	1 736	1 031
Ghana	963	866	958	1 472	1 545	1 302	1 223	1 443	1 626	1 510
Kenya	867	1 010	999	1 583	1 387	1 661	1 912	2 285	2 047	1 997
Morocco	2 714	2 546	2 338	3 512	3 350	3 471	3 139	3 236	3 678	3 642
Nigeria	3 130	2 987	2 582	3 348	3 293	3 924	3 676	3 039	2 025	1 547
South Africa	6 444	4 578	5 305	5 948	5 889	6 087	5 177	5 397	4 799	4 827
Tanzania	653	696	736	893	861	1 166	1 201	1 148	1 011	922
Africa	31 231	33 853	30 933	33 750	36 858	39 494	40 685	40 160	37 949	34 779
Iran	17 092	18 802	21 443	22 956	20 655	21 225	21 880	21 453	20 764	21 520
Saudi Arabia	12 354	12 089	12 944	15 205	16 179	18 400	19 041	18 911	15 842	13 936
United Arab Emirates	16 177	8 465	8 288	9 145	8 563	8 070	9 158	8 935	9 340	10 488
Middle East	45 623	39 356	42 675	47 305	45 396	47 694	50 079	49 299	45 947	45 944
Australia	11 313	8 112	10 522	10 474	11 847	10 948	11 276	11 228	10 672	10 419
China	399 716	515 746	537 445	583 398	603 471	686 784	655 639	611 741	620 545	706 195
India	51 666	58 075	65 871	68 694	72 296	74 694	75 177	79 785	84 521	89 415
Indonesia	11 028	9 463	11 585	14 253	16 238	15 871	15 816	14 034	15 497	18 358
Japan	55 215	36 729	42 971	43 767	44 032	48 113	52 117	48 336	46 931	50 298
Malaysia	8 662	7 224	9 230	8 653	9 550	11 082	10 600	10 520	10 970	10 629
New Zealand	1 474	883	1 123	1 157	1 269	1 413	1 659	1 623	1 624	1 680
Philippines	4 377	4 106	4 733	5 728	6 612	7 591	7 363	8 856	11 215	10 913
Singapore	4 690	3 234	2 991	4 543	5 236	4 777	4 202	4 502	3 360	2 973
South Korea	44 207	29 088	33 768	35 555	35 133	35 587	39 315	39 708	41 616	41 713
Taiwan, China	13 580	8 716	14 577	14 704	14 400	15 237	16 151	14 107	15 138	14 276
Thailand	12 430	10 070	12 885	13 307	15 456	16 644	15 849	15 037	17 079	15 131
Vietnam	8 918	11 616	11 245	10 393	11 299	12 320	15 211	19 407	23 339	23 121
Asia and Oceania	627 276	703 061	758 947	814 626	846 837	941 061	920 376	878 885	902 507	995 121
Total 74 countries	1 164 515	1 083 332	1 233 535	1 331 082	1 361 149	1 467 939	1 462 474	1 409 314	1 423 560	1 535 949

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)									
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	463	394	427	479	442	427	417	461	467	490
Belgium-Luxembourg	506	397	428	530	385	391	384	389	401	446
Bulgaria	307	123	118	148	141	160	217	199	215	170
Croatia	317	220	183	167	155	173	166	174	207	252
Cyprus	616	427	458	330	216	164	145	182	209	330
Czech Republic	395	246	316	340	299	286	328	373	366	369
Denmark	432	206	242	278	288	350	388	416	418	437
Estonia	287	77	146	256	270	290	255	229	353	382
Finland	457	265	264	253	395	296	335	345	381	408
France	315	235	276	302	258	264	262	266	285	294
Germany	407	275	370	405	353	348	361	352	377	358
Greece	424	304	226	160	112	127	148	124	179	165
Hungary	237	116	138	143	111	123	151	177	198	216
Ireland	409	175	209	171	168	177	204	245	259	266
Italy	484	295	381	375	257	256	260	310	305	325
Latvia	249	127	176	307	151	136	178	161	194	153
Lithuania	244	63	98	153	143	171	247	242	294	282
Malta	262	224	242	198	163	159	275	260	326	348
Netherlands	327	201	242	235	203	168	203	246	265	283
Poland	273	169	214	237	206	213	260	273	277	297
Portugal	299	220	246	185	133	171	163	198	205	223
Romania	284	125	159	182	162	153	181	196	197	206
Slovak Republic	361	296	349	319	309	402	449	392	317	326
Slovenia	474	291	330	336	271	273	288	310	286	365
Spain	366	208	254	219	157	192	199	232	221	224
Sweden	506	288	419	456	405	420	405	402	450	486
United Kingdom	275	172	215	218	207	217	248	251	257	254
European Union (28)	362	231	283	294	247	252	269	283	294	300
Norway	700	384	516	457	535	575	567	553	505	501
Serbia and Montenegro	161	113	78	107	94	81	89	114	133	159
Switzerland	413	346	423	456	457	461	457	441	460	432
Turkey	266	227	309	353	363	392	368	414	402	411
Other Europe	289	233	305	342	353	377	359	395	387	394
Belarus	233	180	242	221	246	260	193	149	138	178
Kazakhstan	243	247	194	217	276	310	265	195	185	214
Russia	310	196	298	352	364	362	350	302	299	323
Ukraine	165	76	108	134	131	126	96	75	104	116
C.I.S.	271	174	247	290	303	304	283	240	243	265
Canada	604	414	585	601	647	637	622	518	516	550
Mexico	160	129	145	151	163	148	166	166	163	188
United States	367	225	295	326	358	359	388	371	357	376
N.A.F.T.A.	333	215	279	303	331	326	349	330	320	341
Argentina	141	91	133	157	139	144	136	145	123	148
Brazil	124	99	143	142	143	151	138	111	93	93
Chile	212	143	220	253	267	249	219	226	226	231
Colombia	76	64	81	99	104	99	110	107	96	91
Ecuador	118	92	112	147	128	157	138	131	114	130
Peru	101	76	112	115	128	129	129	147	137	147
Venezuela	156	119	98	108	141	121	90	78	36	23
South America	124	95	131	139	142	145	134	121	103	106

Table 59
(continued)

	True Steel Use per Capita (kg finished steel equivalent)									
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Algeria	148	166	129	144	171	198	215	203	185	179
Angola		106	59	74	88	93	94	48	18	16
Cameroon	18	16	16	18	20	19	22	15	18	15
Egypt	105	145	132	104	119	114	125	129	133	114
Ethiopia		10	8	9	13	15	17	19	17	10
Ghana	41	36	39	58	59	49	45	52	57	52
Kenya	22	25	24	37	31	36	41	48	42	40
Morocco	86	80	72	107	101	103	92	93	105	102
Nigeria	21	19	16	21	20	23	21	17	11	8
South Africa	129	91	104	114	111	113	95	97	85	85
Tanzania	16	16	17	20	18	24	24	22	19	17
Africa	54	57	51	55	58	61	61	59	54	49
Iran	237	258	291	308	273	278	282	273	261	267
Saudi Arabia	477	454	472	538	555	612	616	596	488	421
United Arab Emirates	2,282	1,069	969	1,022	937	877	994	965	998	1,105
Middle East	434	366	389	423	399	412	426	413	379	373
Australia	530	373	475	465	517	471	478	469	440	424
China	295	379	393	424	436	493	468	435	439	497
India	43	48	53	55	57	58	58	61	64	67
Indonesia	47	40	48	58	65	63	62	54	59	69
Japan	430	286	334	341	343	375	407	378	367	394
Malaysia	318	260	327	302	329	376	355	348	358	342
New Zealand	344	204	257	262	284	313	363	352	349	357
Philippines	48	44	50	60	68	77	73	87	108	104
Singapore	982	651	583	863	975	876	760	805	594	521
South Korea	899	589	682	714	702	707	777	781	816	816
Taiwan, China	590	377	629	632	617	651	688	599	641	603
Thailand	187	151	192	197	228	244	232	219	248	219
Vietnam	103	133	128	117	126	136	166	209	249	244
Asia and Oceania	191	212	226	241	248	273	265	251	255	279
Total 74 countries	208	192	216	231	234	249	246	235	235	251

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 (JPC)

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	Evrast, 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	Turkish Steel Producers' Association (TISPA)
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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