

## STEEL STATISTICAL YEARBOOK 2018



## Preface

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

Data are expressed in thousand metric tons unless stated otherwise.

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

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

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

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

**World Steel Association**

Economics Committee

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**Table 1** **Total Production of Crude Steel \***

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

**Table 1**  
**(continued)** **Total Production of Crude Steel \***

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

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

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

| Table 2                    | Crude Steel Production by Product * |                |              |                | Year: 2016         |              |            |              |
|----------------------------|-------------------------------------|----------------|--------------|----------------|--------------------|--------------|------------|--------------|
|                            | I                                   | CC             | LSC          | Total          | I                  | CC           | LSC        | Total        |
|                            | thousand tonnes                     |                |              |                | % total production |              |            |              |
| Austria                    | 243                                 | 7 185          | 9            | 7 438          | 3.3                | 96.6         | 0.1        | 100.0        |
| Belgium                    |                                     | 7 687          |              | 7 687          |                    | 100.0        |            | 100.0        |
| Bulgaria                   |                                     | 527            |              | 527            |                    | 100.0        |            | 100.0        |
| Croatia                    |                                     |                | 0            | 0              |                    |              | 100.0      | 100.0        |
| Czech Republic             | 341                                 | 4 913          | 52           | 5 305          | 6.4                | 92.6         | 1.0        | 100.0        |
| Germany                    | 1 972                               | 40 102         | 6            | 42 080         | 4.7                | 95.3         | 0.0        | 100.0        |
| Finland                    |                                     | 4 084          | 17           | 4 101          |                    | 99.6         | 0.4        | 100.0        |
| France                     | 443                                 | 13 969         |              | 14 413         | 3.1                | 96.9         |            | 100.0        |
| Greece                     |                                     | 1 158          |              | 1 158          |                    | 100.0        |            | 100.0        |
| Hungary                    |                                     | 1 274          |              | 1 274          |                    | 100.0        |            | 100.0        |
| Italy                      | 1 079                               | 22 147         | 146          | 23 373         | 4.6                | 94.8         | 0.6        | 100.0        |
| Luxembourg                 |                                     | 2 175          |              | 2 175          |                    | 100.0        |            | 100.0        |
| Netherlands                | 93                                  | 6 824          |              | 6 917          | 1.3                | 98.7         |            | 100.0        |
| Poland                     | 150                                 | 8 850          |              | 9 000          | 1.7                | 98.3         |            | 100.0        |
| Portugal (e)               |                                     | 1 998          | 12           | 2 010          |                    | 99.4         | 0.6        | 100.0        |
| Romania (e)                | 75                                  | 3 200          |              | 3 275          | 2.3                | 97.7         |            | 100.0        |
| Slovak Republic            |                                     | 4 800          | 9            | 4 808          |                    | 99.8         | 0.2        | 100.0        |
| Slovenia                   | 120                                 | 495            |              | 615            | 19.5               | 80.5         |            | 100.0        |
| Spain                      | 240                                 | 13 380         |              | 13 620         | 1.8                | 98.2         |            | 100.0        |
| Sweden                     | 475                                 | 4 121          | 21           | 4 617          | 10.3               | 89.3         | 0.5        | 100.0        |
| United Kingdom             | 98                                  | 7 532          | 5            | 7 635          | 1.3                | 98.7         | 0.1        | 100.0        |
| <b>European Union (28)</b> | <b>5 329</b>                        | <b>156 421</b> | <b>277</b>   | <b>162 028</b> | <b>3.3</b>         | <b>96.5</b>  | <b>0.2</b> | <b>100.0</b> |
| Albania (e)                |                                     | 50             |              | 50             |                    | 100.0        |            | 100.0        |
| Bosnia-Herzegovina         |                                     | 806            |              | 806            |                    | 100.0        |            | 100.0        |
| Macedonia                  |                                     | 169            |              | 169            |                    | 100.0        |            | 100.0        |
| Montenegro (e)             |                                     | 120            |              | 120            |                    | 100.0        |            | 100.0        |
| Norway                     |                                     | 608            | 12           | 620            |                    | 98.1         | 1.9        | 100.0        |
| Serbia                     |                                     | 1 173          |              | 1 173          |                    | 100.0        |            | 100.0        |
| Switzerland (e)            |                                     | 1 500          |              | 1 500          |                    | 100.0        |            | 100.0        |
| Turkey                     |                                     | 33 163         |              | 33 163         |                    | 100.0        |            | 100.0        |
| <b>Other Europe</b>        |                                     | <b>37 589</b>  | <b>12</b>    | <b>37 601</b>  |                    | <b>100.0</b> | <b>0.0</b> | <b>100.0</b> |
| Azerbaijan (e)             |                                     | 180            |              | 180            |                    | 100.0        |            | 100.0        |
| Byelorussia                |                                     | 2 188          |              | 2 188          |                    | 100.0        |            | 100.0        |
| Kazakhstan                 |                                     | 4 285          | 5            | 4 290          |                    | 99.9         | 0.1        | 100.0        |
| Moldova                    |                                     | 126            |              | 126            |                    | 100.0        |            | 100.0        |
| Russia (e)                 | 11 050                              | 58 000         | 1 400        | 70 450         | 15.7               | 82.3         | 2.0        | 100.0        |
| Ukraine (e)                | 12 500                              | 11 700         | 20           | 24 220         | 51.6               | 48.3         | 0.1        | 100.0        |
| Uzbekistan                 |                                     | 654            |              | 654            |                    | 100.0        |            | 100.0        |
| <b>C.I.S.</b>              | <b>23 550</b>                       | <b>77 133</b>  | <b>1 425</b> | <b>102 108</b> | <b>23.1</b>        | <b>75.5</b>  | <b>1.4</b> | <b>100.0</b> |
| Canada                     | 2 755                               | 9 891          |              | 12 646         | 21.8               | 78.2         |            | 100.0        |
| Cuba                       |                                     | 244            |              | 244            |                    | 100.0        |            | 100.0        |
| El Salvador                |                                     | 100            |              | 100            |                    | 100.0        |            | 100.0        |
| Guatemala                  |                                     | 314            |              | 314            |                    | 100.0        |            | 100.0        |
| Mexico                     | 25                                  | 18 799         |              | 18 824         | 0.1                | 99.9         |            | 100.0        |
| Trinidad and Tobago        |                                     | 36             |              | 36             |                    | 100.0        |            | 100.0        |
| United States              | 463                                 | 78 012         |              | 78 475         | 0.6                | 99.4         |            | 100.0        |
| <b>North America</b>       | <b>3 242</b>                        | <b>107 396</b> |              | <b>110 638</b> | <b>2.9</b>         | <b>97.1</b>  |            | <b>100.0</b> |

I - ingots.

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

LSC - liquid steel for castings.

| Table 2<br>(continued) | Crude Steel Production by Product * |                  |              |                  | Year: 2016         |              |            |              |
|------------------------|-------------------------------------|------------------|--------------|------------------|--------------------|--------------|------------|--------------|
|                        | I                                   | CC               | LSC          | Total            | I                  | CC           | LSC        | Total        |
|                        | thousand tonnes                     |                  |              |                  | % total production |              |            |              |
| Argentina              |                                     | 4 112            | 14           | 4 126            |                    | 99.7         | 0.3        | 100.0        |
| Brazil                 | 369                                 | 30 879           | 27           | 31 275           | 1.2                | 98.7         | 0.1        | 100.0        |
| Chile                  |                                     | 1 153            |              | 1 153            |                    | 100.0        |            | 100.0        |
| Colombia               |                                     | 1 272            |              | 1 272            |                    | 100.0        |            | 100.0        |
| Ecuador                |                                     | 576              |              | 576              |                    | 100.0        |            | 100.0        |
| Paraguay               |                                     | 35               |              | 35               |                    | 100.0        |            | 100.0        |
| Peru                   |                                     | 1 168            |              | 1 168            |                    | 100.0        |            | 100.0        |
| Uruguay                |                                     | 61               |              | 61               |                    | 100.0        |            | 100.0        |
| Venezuela              |                                     | 553              |              | 553              |                    | 100.0        |            | 100.0        |
| <b>South America</b>   | <b>369</b>                          | <b>39 810</b>    | <b>41</b>    | <b>40 220</b>    | <b>0.9</b>         | <b>99.0</b>  | <b>0.1</b> | <b>100.0</b> |
| Algeria (e)            |                                     | 650              |              | 650              |                    | 100.0        |            | 100.0        |
| D.R. Congo (e)         |                                     | 30               |              | 30               |                    | 100.0        |            | 100.0        |
| Egypt                  |                                     | 5 036            |              | 5 036            |                    | 100.0        |            | 100.0        |
| Ghana (e)              |                                     | 25               |              | 25               |                    | 100.0        |            | 100.0        |
| Kenya (e)              |                                     | 20               |              | 20               |                    | 100.0        |            | 100.0        |
| Libya                  |                                     | 492              |              | 492              |                    | 100.0        |            | 100.0        |
| Mauritania (e)         |                                     |                  | 5            | 5                |                    |              | 100.0      | 100.0        |
| Morocco                |                                     | 520              |              | 520              |                    | 100.0        |            | 100.0        |
| Nigeria (e)            |                                     | 100              |              | 100              |                    | 100.0        |            | 100.0        |
| South Africa           |                                     | 6 141            |              | 6 141            |                    | 100.0        |            | 100.0        |
| Tunisia (e)            |                                     | 50               |              | 50               |                    | 100.0        |            | 100.0        |
| Uganda (e)             |                                     | 30               |              | 30               |                    | 100.0        |            | 100.0        |
| <b>Africa</b>          |                                     | <b>13 094</b>    | <b>5</b>     | <b>13 099</b>    |                    | <b>100.0</b> | <b>0.0</b> | <b>100.0</b> |
| Iran                   |                                     | 17 895           |              | 17 895           |                    | 100.0        |            | 100.0        |
| Israel (e)             |                                     | 300              |              | 300              |                    | 100.0        |            | 100.0        |
| Jordan (e)             |                                     | 150              |              | 150              |                    | 100.0        |            | 100.0        |
| Oman (e)               |                                     | 2 000            |              | 2 000            |                    | 100.0        |            | 100.0        |
| Qatar                  |                                     | 2 521            |              | 2 521            |                    | 100.0        |            | 100.0        |
| Saudi Arabia           |                                     | 5 461            |              | 5 461            |                    | 100.0        |            | 100.0        |
| United Arab Emirates   |                                     | 3 149            |              | 3 149            |                    | 100.0        |            | 100.0        |
| <b>Middle East</b>     |                                     | <b>31 475</b>    |              | <b>31 475</b>    |                    | <b>100.0</b> |            | <b>100.0</b> |
| Bangladesh (e)         |                                     | 100              |              | 100              |                    | 100.0        |            | 100.0        |
| China                  | 9 000                               | 797 500          | 1 100        | 807 600          | 1.1                | 98.7         | 0.1        | 100.0        |
| India (e)              | 13 450                              | 82 000           | 30           | 95 480           | 14.1               | 85.9         | 0.0        | 100.0        |
| Indonesia              |                                     | 4 746            |              | 4 746            |                    | 100.0        |            | 100.0        |
| Japan (e)              | 1 235                               | 103 225          | 316          | 104 776          | 1.2                | 98.5         | 0.3        | 100.0        |
| South Korea            | 693                                 | 67 652           | 231          | 68 576           | 1.0                | 98.7         | 0.3        | 100.0        |
| Malaysia               |                                     | 2 764            |              | 2 764            |                    | 100.0        |            | 100.0        |
| Mongolia (e)           |                                     | 50               |              | 50               |                    | 100.0        |            | 100.0        |
| Myanmar (e)            |                                     | 35               |              | 35               |                    | 100.0        |            | 100.0        |
| Philippines            |                                     | 1 075            |              | 1 075            |                    | 100.0        |            | 100.0        |
| Singapore              |                                     | 520              |              | 520              |                    | 100.0        |            | 100.0        |
| Sri Lanka (e)          |                                     | 30               |              | 30               |                    | 100.0        |            | 100.0        |
| Taiwan, China          | 93                                  | 21 658           |              | 21 751           | 0.4                | 99.6         |            | 100.0        |
| Thailand               |                                     | 3 825            |              | 3 825            |                    | 100.0        |            | 100.0        |
| Viet Nam               |                                     | 7 811            |              | 7 811            |                    | 100.0        |            | 100.0        |
| <b>Asia</b>            | <b>24 472</b>                       | <b>1 092 991</b> | <b>1 677</b> | <b>1 119 139</b> | <b>2.2</b>         | <b>97.7</b>  | <b>0.1</b> | <b>100.0</b> |
| Australia              | 26                                  | 5 234            |              | 5 259            | 0.5                | 99.5         |            | 100.0        |
| New Zealand            |                                     | 577              |              | 577              |                    | 100.0        |            | 100.0        |
| <b>Oceania</b>         | <b>26</b>                           | <b>5 811</b>     |              | <b>5 837</b>     | <b>0.4</b>         | <b>99.6</b>  |            | <b>100.0</b> |
| <b>World **</b>        | <b>56 988</b>                       | <b>1 561 719</b> | <b>3 437</b> | <b>1 622 144</b> | <b>3.5</b>         | <b>96.3</b>  | <b>0.2</b> | <b>100.0</b> |

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

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



| Table 2<br>(continued)     | 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                                 | 15 043         |              | 15 505         | 3.0                | 97.0         |            | 100.0        |
| Greece                     |                                     | 1 359          |              | 1 359          |                    | 100.0        |            | 100.0        |
| Hungary                    |                                     | 1 901          |              | 1 901          |                    | 100.0        |            | 100.0        |
| Italy                      | 1 201                               | 22 724         | 143          | 24 068         | 5.0                | 94.4         | 0.6        | 100.0        |
| Luxembourg                 |                                     | 2 172          |              | 2 172          |                    | 100.0        |            | 100.0        |
| Netherlands                |                                     | 6 781          |              | 6 781          |                    | 100.0        |            | 100.0        |
| Poland                     | 170                                 | 10 160         |              | 10 330         | 1.6                | 98.4         |            | 100.0        |
| Portugal (e)               |                                     | 2 056          | 20           | 2 076          |                    | 99.0         | 1.0        | 100.0        |
| Romania (e)                | 80                                  | 3 280          |              | 3 360          | 2.4                | 97.6         |            | 100.0        |
| Slovak Republic            |                                     | 4 974          |              | 4 974          |                    | 100.0        |            | 100.0        |
| Slovenia                   | 125                                 | 520            |              | 645            | 19.4               | 80.6         |            | 100.0        |
| Spain                      | 245                                 | 14 200         |              | 14 445         | 1.7                | 98.3         |            | 100.0        |
| Sweden                     | 565                                 | 4 127          | 22           | 4 713          | 12.0               | 87.6         | 0.5        | 100.0        |
| United Kingdom             | 132                                 | 7 356          | 3            | 7 491          | 1.8                | 98.2         | 0.0        | 100.0        |
| <b>European Union (28)</b> | <b>5 557</b>                        | <b>162 489</b> | <b>262</b>   | <b>168 308</b> | <b>3.3</b>         | <b>96.5</b>  | <b>0.2</b> | <b>100.0</b> |
| 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        |
| <b>Other Europe</b>        |                                     | <b>42 203</b>  |              | <b>42 203</b>  |                    | <b>100.0</b> |            | <b>100.0</b> |
| Azerbaijan (e)             |                                     | 180            |              | 180            |                    | 100.0        |            | 100.0        |
| Byelorussia                |                                     | 2 343          |              | 2 343          |                    | 100.0        |            | 100.0        |
| Kazakhstan                 |                                     | 4 445          | 5            | 4 450          |                    | 99.9         | 0.1        | 100.0        |
| Moldova                    |                                     | 455            |              | 455            |                    | 100.0        |            | 100.0        |
| Russia (e)                 | 11 500                              | 58 600         | 1 400        | 71 500         | 16.1               | 82.0         | 2.0        | 100.0        |
| Ukraine (e)                | 10 300                              | 11 000         | 30           | 21 330         | 48.3               | 51.6         | 0.1        | 100.0        |
| Uzbekistan                 |                                     | 680            |              | 680            |                    | 100.0        |            | 100.0        |
| <b>C.I.S.</b>              | <b>21 800</b>                       | <b>77 703</b>  | <b>1 435</b> | <b>100 938</b> | <b>21.6</b>        | <b>77.0</b>  | <b>1.4</b> | <b>100.0</b> |
| Canada                     | 4 741                               | 8 872          |              | 13 614         | 34.8               | 65.2         |            | 100.0        |
| Cuba                       |                                     | 221            |              | 221            |                    | 100.0        |            | 100.0        |
| El Salvador                |                                     | 96             |              | 96             |                    | 100.0        |            | 100.0        |
| Guatemala                  |                                     | 294            |              | 294            |                    | 100.0        |            | 100.0        |
| Mexico                     | 26                                  | 19 898         |              | 19 924         | 0.1                | 99.9         |            | 100.0        |
| United States              | 295                                 | 81 317         |              | 81 612         | 0.4                | 99.6         |            | 100.0        |
| <b>North America</b>       | <b>5 062</b>                        | <b>110 699</b> |              | <b>115 761</b> | <b>4.4</b>         | <b>95.6</b>  |            | <b>100.0</b> |

I - ingots.

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

LSC - liquid steel for castings.

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

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

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

Table 3

## Production of Ingots \*

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

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

**Table 3**  
**(continued)**

**Production of Ingots \***  
**% total crude steel production**

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

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

Table 4

## Production of Continuously-cast Steel \*

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

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

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

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

**Table 4**  
**(continued)**

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

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

**Table 4**  
(continued)

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

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

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



Table 5

## Production of Liquid Steel for Castings \*

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

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

**Table 5**  
**(continued)**

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

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

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

Table 6

## Crude Steel Production by Process \*

Year: 2016

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

OBC - oxygen-blown converter.

EF - electric furnace.

OHF - open hearth furnace.

**Table 6**  
**(continued)**

**Crude Steel Production by Process \***

**Year: 2016**

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

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

\*\* - Approximately 99.9% of total world production.

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

OBC - oxygen-blown converter.

EF - electric furnace.

OHF - open hearth furnace.

**Table 6**  
**(continued)**

**Crude Steel Production by Process \***

**Year: 2017**

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

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

\*\* - Approximately 99.9% of total world production.

Table 7

## Production of Crude Steel in Oxygen-blown Converters \*

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

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

**Table 7**  
**(continued)**

**Production of Crude Steel in Oxygen-blown Converters \***  
**% total crude steel production**

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

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



Table 8

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

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

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

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

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

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

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

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

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

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

Table 9

## Production of Crude Steel in Open Hearth Furnaces \*

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

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

**Table 9**  
(continued)

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

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

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

Table 10

## Monthly Crude Steel Production

2017

|                            | Jan           | Feb           | Mar           | Apr           | May           | Jun           | Jul           | Aug           | Sep           | Oct           | Nov           | Dec           | Total          |
|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Austria                    | 699           | 640           | 701           | 674           | 715           | 655           | 678           | 678           | 638           | 724           | 658           | 676           | 8 135          |
| Belgium                    | 636           | 643           | 721           | 635           | 705           | 614           | 608           | 640           | 615           | 719           | 658           | 649           | 7 842          |
| Bulgaria                   | 53            | 55            | 59            | 59            | 60            | 61            | 47            | 47            | 52            | 53            | 52            | 55            | 652            |
| Croatia                    | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0              |
| Czech Republic             | 437           | 410           | 447           | 396           | 366           | 380           | 412           | 363           | 235           | 382           | 340           | 382           | 4 550          |
| Finland                    | 362           | 320           | 348           | 353           | 369           | 333           | 350           | 322           | 348           | 341           | 254           | 303           | 4 003          |
| France                     | 1 332         | 1 239         | 1 332         | 1 264         | 1 425         | 1 325         | 1 362         | 1 135         | 1 322         | 1 356         | 1 199         | 1 213         | 15 505         |
| Germany                    | 3 647         | 3 451         | 3 878         | 3 842         | 3 801         | 3 603         | 3 517         | 3 575         | 3 576         | 3 551         | 3 554         | 3 304         | 43 297         |
| Greece                     | 85            | 107           | 127           | 106           | 135           | 129           | 129           | 42            | 135           | 135           | 138           | 91            | 1 359          |
| Hungary                    | 132           | 142           | 158           | 159           | 166           | 155           | 162           | 160           | 169           | 163           | 169           | 165           | 1 901          |
| Italy                      | 1 917         | 2 002         | 2 257         | 1 988         | 2 102         | 2 103         | 2 139         | 1 097         | 2 195         | 2 274         | 2 208         | 1 787         | 24 068         |
| Luxembourg                 | 202           | 166           | 200           | 178           | 159           | 199           | 211           | 129           | 191           | 212           | 193           | 132           | 2 172          |
| Netherlands                | 602           | 510           | 559           | 552           | 616           | 604           | 574           | 596           | 439           | 566           | 591           | 574           | 6 781          |
| Poland                     | 852           | 796           | 855           | 891           | 881           | 853           | 912           | 846           | 865           | 871           | 821           | 888           | 10 332         |
| Slovak Republic            | 429           | 396           | 402           | 399           | 434           | 423           | 427           | 354           | 430           | 443           | 418           | 422           | 4 974          |
| Slovenia                   | 53            | 48            | 57            | 49            | 56            | 53            | 48            | 58            | 59            | 61            | 60            | 47            | 648            |
| Spain                      | 1 179         | 1 113         | 1 366         | 1 224         | 1 249         | 1 253         | 999           | 1 130         | 1 205         | 1 392         | 1 312         | 1 020         | 14 444         |
| Sweden                     | 428           | 375           | 432           | 425           | 375           | 372           | 343           | 283           | 422           | 444           | 417           | 397           | 4 713          |
| United Kingdom             | 677           | 595           | 636           | 709           | 617           | 610           | 591           | 546           | 629           | 700           | 592           | 640           | 7 491          |
| Other E.U. (28) (e)        | 469           | 447           | 503           | 486           | 485           | 488           | 475           | 370           | 457           | 478           | 334           | 426           | 5 437          |
| <b>European Union (28)</b> | <b>14 190</b> | <b>13 456</b> | <b>15 038</b> | <b>14 387</b> | <b>14 714</b> | <b>14 214</b> | <b>13 983</b> | <b>12 370</b> | <b>13 981</b> | <b>14 866</b> | <b>13 967</b> | <b>13 171</b> | <b>168 305</b> |
| Bosnia-Herzegovina         | 44            | 64            | 60            | 69            | 62            | 60            | 70            | 67            | 68            | 45            | 70            | 76            | 756            |
| Macedonia                  | 21            | 27            | 27            | 32            | 27            | 27            | 27            | 28            | 33            | 22            | 23            | 34            | 273            |
| Norway                     | 58            | 51            | 59            | 46            | 54            | 52            | 14            | 57            | 51            | 56            | 58            | 47            | 603            |
| Serbia                     | 89            | 85            | 149           | 152           | 119           | 102           | 140           | 155           | 99            | 87            | 138           | 162           | 1 477          |
| Turkey                     | 2 950         | 2 759         | 3 131         | 3 046         | 3 308         | 3 021         | 3 345         | 3 182         | 3 001         | 3 306         | 3 208         | 3 268         | 37 524         |
| <b>Other Europe</b>        | <b>3 141</b>  | <b>2 980</b>  | <b>3 425</b>  | <b>3 345</b>  | <b>3 569</b>  | <b>3 236</b>  | <b>3 595</b>  | <b>3 489</b>  | <b>3 252</b>  | <b>3 517</b>  | <b>3 496</b>  | <b>3 586</b>  | <b>40 633</b>  |
| Byelorussia                | 160           | 175           | 180           | 203           | 217           | 218           | 167           | 154           | 214           | 232           | 215           | 208           | 2 343          |
| Kazakhstan                 | 368           | 325           | 388           | 391           | 383           | 389           | 423           | 391           | 362           | 380           | 416           | 425           | 4 450          |
| Moldova                    | 38            | 28            | 38            | 28            | 44            | 43            | 40            | 49            | 56            | 53            | 65            | 53            | 455            |
| Russia                     | 5 906         | 5 479         | 6 299         | 5 891         | 5 877         | 5 618         | 6 118         | 6 175         | 5 986         | 5 984         | 5 918         | 6 240         | 71 491         |
| Ukraine                    | 2 030         | 1 710         | 1 634         | 1 623         | 1 647         | 1 591         | 1 629         | 1 855         | 1 934         | 1 917         | 1 867         | 1 897         | 21 334         |
| Uzbekistan                 | 51            | 50            | 53            | 57            | 53            | 58            | 52            | 64            | 59            | 50            | 56            | 51            | 680            |
| <b>T.I.S.</b>              | <b>8 515</b>  | <b>7 739</b>  | <b>8 592</b>  | <b>8 193</b>  | <b>8 221</b>  | <b>7 917</b>  | <b>8 429</b>  | <b>8 688</b>  | <b>8 611</b>  | <b>8 616</b>  | <b>8 537</b>  | <b>8 874</b>  | <b>100 753</b> |

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

**Table 10**  
(continued)

**Monthly Crude Steel Production**

2017

|                            | Jan            | Feb            | Mar            | Apr            | May            | Jun            | Jul            | Aug            | Sep            | Oct            | Nov            | Dec            | Total            |
|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Canada                     | 1 140          | 1 149          | 1 175          | 1 046          | 1 001          | 1 121          | 1 125          | 1 043          | 1 143          | 1 359          | 1 173          | 1 137          | 13 614           |
| Cuba                       | 18             | 17             | 16             | 17             | 17             | 16             | 18             | 20             | 20             | 19             | 22             | 21             | 221              |
| El Salvador                | 8              | 8              | 8              | 7              | 8              | 7              | 9              | 8              | 9              | 8              | 9              | 8              | 96               |
| Guatemala                  | 25             | 24             | 22             | 24             | 23             | 23             | 25             | 25             | 26             | 25             | 26             | 25             | 294              |
| Mexico                     | 1 678          | 1 652          | 1 701          | 1 575          | 1 741          | 1 698          | 1 728          | 1 636          | 1 593          | 1 672          | 1 633          | 1 618          | 19 924           |
| United States              | 6 975          | 6 423          | 6 894          | 6 691          | 6 901          | 6 793          | 6 962          | 7 099          | 6 651          | 6 851          | 6 640          | 6 732          | 81 612           |
| <b>North America</b>       | <b>9 844</b>   | <b>9 274</b>   | <b>9 816</b>   | <b>9 691</b>   | <b>9 691</b>   | <b>9 658</b>   | <b>9 866</b>   | <b>9 831</b>   | <b>9 442</b>   | <b>9 934</b>   | <b>9 504</b>   | <b>9 542</b>   | <b>115 761</b>   |
| Argentina                  | 291            | 305            | 392            | 367            | 394            | 372            | 399            | 417            | 423            | 447            | 435            | 381            | 4 624            |
| Brazil                     | 2 828          | 2 572          | 2 845          | 2 893          | 2 928          | 2 649          | 2 831          | 2 955          | 2 959          | 3 045          | 3 030          | 2 822          | 34 365           |
| Chile                      | 99             | 91             | 109            | 91             | 97             | 92             | 99             | 97             | 81             | 104            | 100            | 98             | 1 158            |
| Colombia                   | 93             | 109            | 117            | 105            | 105            | 110            | 114            | 107            | 89             | 89             | 113            | 102            | 1 253            |
| Ecuador                    | 47             | 48             | 46             | 45             | 47             | 46             | 49             | 49             | 48             | 43             | 47             | 46             | 561              |
| Paraguay                   | 2              | 1              | 1              | 1              | 1              | 2              | 2              | 3              | 3              | 3              | 3              | 3              | 24               |
| Peru                       | 99             | 93             | 104            | 105            | 102            | 97             | 102            | 86             | 98             | 107            | 101            | 112            | 1 207            |
| Uruguay                    | 6              | 3              | 4              | 5              | 4              | 4              | 5              | 5              | 5              | 5              | 6              | 5              | 58               |
| Venezuela                  | 27             | 37             | 49             | 61             | 53             | 30             | 10             | 19             | 69             | 23             | 34             | 33             | 444              |
| <b>South America</b>       | <b>3 492</b>   | <b>3 259</b>   | <b>3 667</b>   | <b>3 672</b>   | <b>3 731</b>   | <b>3 403</b>   | <b>3 610</b>   | <b>3 740</b>   | <b>3 775</b>   | <b>3 865</b>   | <b>3 869</b>   | <b>3 603</b>   | <b>43 693</b>    |
| Egypt                      | 573            | 541            | 528            | 543            | 575            | 571            | 539            | 573            | 571            | 590            | 605            | 659            | 6 870            |
| Libya                      | 9              | 41             | 49             | 54             | 39             | 17             | 17             | 29             | 25             | 37             | 51             | 52             | 422              |
| South Africa               | 534 e          | 496 e          | 545 e          | 493 e          | 554 e          | 468 e          | 493 e          | 554 e          | 556 e          | 566 e          | 551 e          | 503 e          | 6 301            |
| <b>Africa</b>              | <b>1 116</b>   | <b>1 078</b>   | <b>1 122</b>   | <b>1 090</b>   | <b>1 168</b>   | <b>1 045</b>   | <b>1 050</b>   | <b>1 157</b>   | <b>1 152</b>   | <b>1 193</b>   | <b>1 207</b>   | <b>1 215</b>   | <b>13 593</b>    |
| Iran                       | 1 573          | 1 426          | 1 635          | 1 735          | 1 793          | 1 785          | 1 750          | 1 816          | 1 918          | 1 872          | 1 952          | 1 980          | 21 236           |
| Qatar                      | 247            | 223            | 240            | 186            | 195            | 207            | 234            | 233            | 234            | 239            | 190            | 216            | 2 644            |
| Saudi Arabia (1)           | 483            | 480            | 376            | 454            | 324            | 401            | 361            | 485            | 456            | 396            | 269            | 347            | 4 831            |
| United Arab Emirates       | 318            | 274            | 282            | 299            | 288            | 268            | 209            | 275            | 239            | 284            | 287            | 286            | 3 309            |
| <b>Middle East</b>         | <b>2 620</b>   | <b>2 403</b>   | <b>2 534</b>   | <b>2 674</b>   | <b>2 600</b>   | <b>2 662</b>   | <b>2 554</b>   | <b>2 809</b>   | <b>2 846</b>   | <b>2 791</b>   | <b>2 698</b>   | <b>2 828</b>   | <b>32 020</b>    |
| China                      | 67 899         | 61 328         | 70 800         | 73 195         | 74 491         | 74 624         | 75 756         | 78 207         | 75 199         | 72 362         | 66 151         | 67 047         | 831 728          |
| India                      | 8 810          | 8 154          | 8 764          | 8 178          | 8 132          | 7 917          | 8 228          | 8 520          | 8 345          | 8 736          | 8 603          | 9 066          | 101 455          |
| Japan                      | 9 003          | 8 340          | 8 888          | 8 755          | 8 929          | 8 410          | 8 588          | 8 728          | 8 626          | 8 971          | 8 703          | 8 721          | 104 661          |
| South Korea                | 5 963          | 5 529          | 5 823          | 5 503          | 6 046          | 5 931          | 6 170          | 6 097          | 6 058          | 5 975          | 5 864          | 6 071          | 71 030           |
| Pakistan                   | 380            | 408            | 424            | 482            | 285            | 315            | 476            | 460            | 441            | 430            | 440            | 425            | 4 966            |
| Taiwan, China              | 1 898          | 1 848          | 2 000          | 1 943          | 2 004          | 1 817          | 1 819          | 1 886          | 1 807          | 1 791          | 1 734          | 1 893          | 22 438           |
| Thailand                   | 369            | 370            | 392            | 338            | 337            | 345            | 394            | 388            | 393            | 388            | 371            | 386            | 4 471            |
| Vietnam (2)                | 767            | 759            | 888            | 799            | 755            | 880            | 970            | 955            | 945            | 750            | 980            | 875            | 11 473           |
| <b>Asia</b>                | <b>95 089</b>  | <b>86 736</b>  | <b>97 979</b>  | <b>99 193</b>  | <b>100 980</b> | <b>100 239</b> | <b>102 400</b> | <b>105 241</b> | <b>101 813</b> | <b>99 404</b>  | <b>92 846</b>  | <b>94 483</b>  | <b>1 152 222</b> |
| Australia                  | 437            | 392            | 429            | 411            | 432            | 448            | 459            | 462            | 427            | 476            | 482            | 472            | 5 328            |
| New Zealand                | 58             | 50             | 47             | 55             | 61             | 55             | 55             | 58             | 45             | 57             | 55             | 61             | 657              |
| <b>Oceania</b>             | <b>495</b>     | <b>442</b>     | <b>476</b>     | <b>466</b>     | <b>492</b>     | <b>504</b>     | <b>514</b>     | <b>520</b>     | <b>473</b>     | <b>532</b>     | <b>538</b>     | <b>532</b>     | <b>5 985</b>     |
| <b>Total 64 countries*</b> | <b>138 502</b> | <b>127 366</b> | <b>142 649</b> | <b>142 380</b> | <b>145 167</b> | <b>142 877</b> | <b>146 003</b> | <b>147 846</b> | <b>145 345</b> | <b>144 718</b> | <b>136 661</b> | <b>137 835</b> | <b>1 672 965</b> |

\* - Approximately 99% of total world production. (1) - HADEED only. (2) partial data, approximately XX% of total.

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



Table 11

## Production of Hot Rolled Products

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

**Table 11**  
(continued)

**Production of Hot Rolled Products**

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

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

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

(5) - finished steel products for sale.

Table 12

## Production of Hot Rolled Long Products

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

**Table 12**  
**(continued)**

**Production of Hot Rolled Long Products**

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

(1) - estimated 2010-17.

(2) - estimated 2012-17.

Table 13

## Production of Hot Rolled Flat Products

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

(1) - estimated 2010-17.

(2) - estimated 2012-17.

Table 14

## Production of Railway Track Material

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

Table 15

## Production of Heavy Sections (≥80mm)

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

Table 16

## Production of Light Sections (&lt;80mm)

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



Table 17

## Production of Concrete Reinforcing Bars

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

**Table 17**  
**(continued)**

**Production of Concrete Reinforcing Bars**

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

**Table 18** Production of Hot Rolled Bars (other than Concrete Reinforcing Bars)

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

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

(2) - deliveries.

Table 19

## Production of Wire Rod

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

**Table 19**  
**(continued)**

**Production of Wire Rod**

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

Table 20

## Production of Hot Rolled Plate (≥3mm)

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

Table 21

## Production of Hot Rolled Coil, Sheet, and Strip (&lt;3mm)

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

Table 22

## Production of Electrical Sheet and Strip

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



Table 23

## Production of Tinmill Products

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

Table 24

## Production of Other Metal Coated Sheet and Strip

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

(1) - galvanised products only.

(2) - deliveries.

(3) - excluding galvanised products.

Table 25

## Production of Non-metallic Coated Sheet and Strip

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

Table 26

## Total Production of Tubular Products

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

Table 27

## Production of Seamless Tubes

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

Table 28

## Production of Welded Tubes

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

Table 29

## Exports of Semi-finished and Finished Steel Products

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

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

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



**Table 29**  
**(continued)**

**Exports of Semi-finished and Finished Steel Products**

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

Table 30

## Imports of Semi-finished and Finished Steel Products

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

**Table 30**  
(continued)

**Imports of Semi-finished and Finished Steel Products**

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

**Table 30**  
**(continued)**

**Imports of Semi-finished and Finished Steel Products**

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

Table 31

## Exports of Ingots and Semis

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

**Table 31**  
**(continued)**

**Exports of Ingots and Semis**

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

Table 32

## Imports of Ingots and Semis

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

**Table 32**  
(continued)

**Imports of Ingots and Semis**

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



**Table 32**  
**(continued)**

**Imports of Ingots and Semis**

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

Table 33

## Exports of Long Products

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

**Table 33**  
(continued)

**Exports of Long Products**

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

Table 34

## Imports of Long Products

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

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

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

**Table 34**  
**(continued)**

**Imports of Long Products**

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

Table 35

## Exports of Flat Products

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

**Table 35**  
**(continued)**

**Exports of Flat Products**

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



Table 36

## Imports of Flat Products

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

**Table 36**  
(continued)

**Imports of Flat Products**

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

**Table 36**  
**(continued)**

**Imports of Flat Products**

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

Table 37

## Exports of Tubular Products

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

**Table 37**  
**(continued)**

**Exports of Tubular Products**

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

Table 38

## Imports of Tubular Products

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

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

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

**Table 38**  
**(continued)**

**Imports of Tubular Products**

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



Table 39

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

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

**Table 39**  
**(continued)**

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

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

**Table 39**  
**(continued)**

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

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

Table 40

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

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

**Table 40**  
**(continued)**

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

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

**Table 40  
(continued)**

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

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

Table 41

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

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

**Table 41  
(continued)**

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

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



**Table 41  
(continued)**

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

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

Table 42

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

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

**Table 42**  
**(continued)**

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

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

**Table 42**  
**(continued)**

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

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

Table 43

## Production of Pig Iron

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

**Table 43**  
**(continued)**

**Production of Pig Iron**

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

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

Table 44

## Exports of Pig Iron

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

**Table 44**  
**(continued)**

**Exports of Pig Iron**

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



Table 45

## Imports of Pig Iron

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

**Table 45**  
**(continued)**

**Imports of Pig Iron**

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

Table 46

## Production of Direct Reduced Iron

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

Table 47

## Exports of Direct Reduced Iron

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

Table 48

## Imports of Direct Reduced Iron

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

Table 49

## Monthly Primary Iron Production

2017

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

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

Table 49  
(continued)

Monthly Primary Iron Production

2017

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

(1) - pig iron only.

(2) - steel industry only.

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

(4) - HADEED only.

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

Table 50

## Production of Iron Ore

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



**Table 50**  
**(continued)**

**Production of Iron Ore**

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

(1) - low Fe content.

(2) - not for steel production.

(3) - deliveries.

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

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

(6) - iron sands.

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

Table 51

## Exports of Iron Ore

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

Table 52

## Imports of Iron Ore

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

**Table 52**  
**(continued)**

**Imports of Iron Ore**

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

Table 53

## Exports of Scrap

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

**Table 53**  
**(continued)**

**Exports of Scrap**

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

Table 54

## Imports of Scrap

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

**Table 54**  
**(continued)**

**Imports of Scrap**

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



Table 55

## Indirect Exports of Steel

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

**Table 55**  
**(continued)**

**Indirect Exports of Steel**

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

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

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

Table 56

## Indirect Imports of Steel

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

**Table 56**  
(continued)

**Indirect Imports of Steel**

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

Table 57

## Indirect Net Exports of Steel

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

**Table 57**  
**(continued)**

**Indirect Net Exports of Steel**

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

Table 58

**True Steel Use**  
(finished steel equivalent)

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

**Table 58**  
(continued)

**True Steel Use**  
(finished steel equivalent)

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

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



Table 59

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

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

**Table 59**  
**(continued)**

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

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

## 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)<br>Rautaruukki Oy              |
| France                             | Centre Professionnel des Statistiques de l'Acier (CPS)  |
| Germany                            | Wirtschaftsvereinigung Stahl  |
| Hungary                            | Magyar vas-és Acélipari Egyesülés<br>(Association of the Hungarian Steel Industry)            |
| India                              | Joint Plant Committee, Ministry of Steel (JPC), Steel Scenario                                |

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

**Definitions**

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

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

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

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