



INTERNATIONAL IRON AND STEEL INSTITUTE

# Steel Statistical Yearbook 1985



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COMMITTEE ON STATISTICS  
Brussels 1985



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## INTRODUCTORY NOTES

This yearbook presents a cross-section of steel industry statistics which are published or exchanged by the International Iron and Steel Institute. The contents were finalised in November 1985.

In general, the statistics presented are based on a broad definition of the steel industry, covering blast furnaces and their associated raw materials preparation; steel melting shops and foundries; casting and continuous casting plant; hot and cold finishing; steel forging; manufacture of tube and pipe; wire-drawing. Crude steel is defined as the total of useable ingots, continuously cast semi-finished products, and liquid steel for castings. Pig iron, which does not include sponge iron, comprises both steelmaking and foundry iron. Countries are classified on an economic and geographical basis: the Western World excludes the USSR and Comecon countries, as well as China, the Democratic People's Republic of Korea, and the other centrally planned economies in Asia.

The unit of measurement employed is the metric ton (1,000 Kg or 2,205 lbs). Due to rounding, some columns or rows of figures may not add exactly to the stated totals. E means estimated. Further explanatory notes related to specific tables are given in the appendix on page 49.

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TABLE 1

WORLD CRUDE STEEL PRODUCTION SUMMARY  
 =====  
 (million metric tons)

Year	Production	Year	Production
1900	28.3	1950	191.6
1901	31.0	1951	211.1
1902	34.5	1952	211.6
1903	36.1	1953	234.8
1904	36.3	1954	223.8
1905	44.9	1955	270.0
1906	51.2	1956	283.5
1907	53.0	1957	292.5
1908	41.4	1958	274.3
1909	54.2	1959	305.7
1910	60.3	1960	346.4
1911	60.5	1961	351.3
1912	72.8	1962	360.1
1913	76.4	1963	387.1
1914	60.4	1964	433.4
1915	66.6	1965	454.0
1916	78.2	1966	472.7
1917	82.0	1967	497.2
1918	77.2	1968	529.8
1919	58.5	1969	574.6
1920	72.5	1970	595.4
1921	45.2	1971	582.6
1922	68.8	1972	630.7
1923	78.3	1973	697.1
1924	78.5	1974	703.5
1925	90.4	1975	643.4
1926	93.4	1976	675.5
1927	101.8	1977	675.5
1928	110.0	1978	716.8
1929	120.8	1979	746.4
1930	95.1	1980	716.1
1931	69.6	1981	707.5
1932	50.7	1982	645.2
1933	68.0	1983	663.4
1934	82.4	1984	710.0
1935	99.5		
1936	124.3		
1937	135.7		
1938	110.0		
1939	137.1		
1940	140.6		
1941	153.8		
1942	151.4		
1943	159.6		
1944	151.2		
1945	113.1		
1946	111.6		
1947	136.0		
1948	155.3		
1949	160.0		

TABLE 2

## CRUDE STEEL PRODUCTION

=====

thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Belgium	11,669	12,233	11,346	12,692	13,535	12,422	12,377	9,992	10,154	11,305
Denmark	557	722	686	863	804	734	612	560	493	548
France	21,531	23,227	22,094	22,841	23,360	23,176	21,258	18,402	17,582	19,000
FR of Germany	40,412	42,413	38,984	41,253	46,040	43,838	41,610	35,880	35,729	39,389
Greece	721	614	573	670	813	870	909	933	868	898
Ireland	81	58	47	69	72	2	32	61	141	166
Italy	21,865	23,455	23,335	24,283	24,250	26,501	24,777	24,009	21,811	24,061
Luxembourg	4,624	4,565	4,329	4,790	4,949	4,618	3,790	3,510	3,294	3,987
Netherlands	4,817	5,178	4,923	5,590	5,805	5,272	5,472	4,354	4,477	5,739
United Kingdom	20,098	22,274	20,411	20,311	21,464	11,277	15,573	13,704	14,986	15,121
EC Total	126,375	134,739	126,728	133,362	141,092	128,710	126,410	111,405	109,535	120,214
Austria	4,069	4,476	4,093	4,335	4,917	4,623	4,656	4,258	4,411	4,870
Finland	1,616	1,649	2,196	2,333	2,464	2,508	2,428	2,414	2,416	2,632
Norway	891	886	704	797	891	862	848	776	886	916
Portugal	419	461	531	608	650	659	570	501	670	687
Spain	11,102	10,982	11,169	11,339	12,248	12,643	12,896	13,178	13,009	13,484
Sweden	5,611	5,139	3,968	4,325	4,733	4,237	3,770	3,900	4,210	4,705
Switzerland	420	545	656	784	886	929	934	835	835	978
Turkey	1,703	1,972	1,902	2,172	2,396	2,536	2,425	3,183	3,834	4,299
Yugoslavia	2,916	2,751	3,182	3,456	3,535	3,634	3,977	3,840	4,134	4,224
Other Western Europe	28,747	28,861	28,401	30,149	32,720	32,631	32,504	32,885	34,405	36,795
Total Western Europe	155,122	163,600	155,129	163,511	173,812	161,341	158,914	144,290	143,940	157,009
Canada	13,025	13,290	13,631	14,899	16,054	15,901	14,811	11,871	12,832	14,699
United States	105,816	116,120	113,700	124,313	123,688	101,456	109,614	67,656	76,762	83,941
Japan	102,313	107,399	102,405	102,105	111,748	111,395	101,676	99,548	97,179	105,586
Australia	7,869	7,794	7,338	7,596	8,119	7,589	7,635	6,371	5,676	6,302
New Zealand	185	222	218	225	229	230	221	252	234	280
South Africa	6,831	7,106	7,295	7,902	8,876	9,067	9,005	8,280	7,180	7,732
TOTAL INDUSTRIAL CTS.	391,161	415,531	399,716	420,551	442,526	406,979	401,876	338,268	343,803	375,549
Argentina	2,208	2,410	2,684	2,782	3,199	2,687	2,526	2,913	2,942	2,647
Brazil	8,387	9,253	11,253	12,205	13,893	15,309	13,226	12,995	14,671	18,385
Central America	10	13	62	64	98	94	95	57	45	102
Chile	508	503	559	616	642	746	657	483	618	690
Colombia	391	356	330	390	354	420	396	425	463	502
Ecuador	0	0	0	0	0	16	26	27	23	17
Mexico	5,272	5,298	5,601	6,775	7,117	7,156	7,605	7,056	6,917	7,482
Panama	0	0	0	0	0	6	10	8	15	0
Peru	432	346	379	374	379	447	364	272	289	337
Trinidad & Tobago	0	0	0	0	0	0	45	219	210	172
Uruguay	16	16	19	7	16	18	14	20	46	41
Venezuela	1,100	937	854	859	1,475	1,975	2,030	2,278	2,320	2,770
Total Latin America	18,324	19,132	21,741	24,072	27,173	28,874	26,994	26,753	28,559	33,145

TABLE 2  
(continued)CRUDE STEEL PRODUCTION  
=====

thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Algeria	221	356	410	380	242	384	522	550	700	700 E
Egypt	490	580	660	665	730	910	920	975	885	850 E
Nigeria	14	15	15	15	15	20	22	90	182	187
Tunisia	127	103	156	160	176	178	173	107	163	169
Zimbabwe	524	733	734	778	740	805	691	538	647	423
Other Africa (E)	60	60	60	60	65	70	70	70	75	75
<b>Total Africa</b>	<b>1,436</b>	<b>1,847</b>	<b>2,035</b>	<b>2,058</b>	<b>1,968</b>	<b>2,367</b>	<b>2,398</b>	<b>2,330</b>	<b>2,652</b>	<b>2,404</b>
Iran	551	549	1,825	1,300	1,430	1,200	1,200	1,200	1,200	1,200 E
Israel	60	70	72	94	107	115	114	87	83	92
Qatar	0	0	0	127	396	396	469	495	469	478
Saudi Arabia	0	0	0	0	0	0	0	0	400	842
Other (E)	70	65	51	55	170	170	180	200	200	200
<b>Total Middle East</b>	<b>681</b>	<b>684</b>	<b>1,948</b>	<b>1,576</b>	<b>2,103</b>	<b>1,881</b>	<b>1,963</b>	<b>1,982</b>	<b>2,352</b>	<b>2,812</b>
Bangladesh	76	90	108	120	125	131	134	78	58	88
Hong Kong (E)	120	120	120	120	120	120	120	120	120	120
India	7,991	9,364	10,009	10,099	10,126	9,514	10,780	10,997	10,237	10,549
Indonesia	100	139	250	225	305	360	500	500	800	1,000 E
Malaysia	183	190	194	203	207	210	210	210	350	350 E
Philippines	309	350	357	276	397	330	350	350	200	250 E
Singapore	196	203	215	281	293	340	263	359	305	362
Republic of Korea	1,994	3,511	4,346	4,969	7,610	8,558	10,753	11,758	11,915	13,034
Taiwan (ROC)	680	1,098	1,710	3,426	3,186	3,417	3,157	4,152	5,031	5,010
Thailand	251	281	309	346	440	450	300	350	350	350 E
Other (E)	200	200	250	230	225	225	220	250	250	600
<b>Total Asia</b>	<b>12,100</b>	<b>15,546</b>	<b>17,868</b>	<b>20,295</b>	<b>23,034</b>	<b>23,655</b>	<b>26,787</b>	<b>29,124</b>	<b>29,616</b>	<b>31,713</b>
<b>TOTAL DEVELOPING CTS.</b>	<b>32,541</b>	<b>37,209</b>	<b>43,592</b>	<b>48,001</b>	<b>54,278</b>	<b>56,777</b>	<b>58,142</b>	<b>60,189</b>	<b>63,179</b>	<b>70,074</b>
<b>TOTAL WESTERN WORLD</b>	<b>423,702</b>	<b>452,740</b>	<b>443,308</b>	<b>468,552</b>	<b>496,804</b>	<b>463,756</b>	<b>460,018</b>	<b>398,457</b>	<b>406,982</b>	<b>445,623</b>
Bulgaria	2,265	2,460	2,589	2,470	2,482	2,567	2,484	2,586	2,825	2,878
Czechoslovakia	14,324	14,693	15,054	15,294	14,817	14,925	15,270	14,992	15,024	14,831
German Dem Rep	6,480	6,740	6,850	6,976	7,024	7,308	7,467	7,168	7,219	7,573
Hungary	3,673	3,652	3,723	3,877	3,907	3,767	3,645	3,702	3,617	3,751
Poland	15,007	15,640	17,841	19,251	19,218	19,485	15,719	14,794	16,236	16,533
Romania	9,549	10,970	11,457	11,779	12,909	13,175	13,025	13,055	12,593	14,437
USSR	141,325	144,805	146,655	151,436	149,087	147,931	148,517	147,153	152,511	154,200
<b>Total Eastern Europe</b>	<b>192,623</b>	<b>198,960</b>	<b>204,169</b>	<b>211,083</b>	<b>209,444</b>	<b>209,158</b>	<b>206,127</b>	<b>203,450</b>	<b>210,025</b>	<b>214,203</b>
Cuba (E)	300	296	302	300	300	300	300	300	300	300
China	23,903	20,459	23,740	31,780	34,484	37,121	35,604	37,160	40,020	43,360
DPR Korea (E)	2,900	3,000	4,000	5,080	5,400	5,800	5,500	5,800	6,100	6,500
<b>TOTAL CPE'S</b>	<b>219,726</b>	<b>222,715</b>	<b>232,211</b>	<b>248,243</b>	<b>249,628</b>	<b>252,379</b>	<b>247,531</b>	<b>246,710</b>	<b>256,445</b>	<b>264,363</b>
<b>WORLD TOTAL</b>	<b>643,428</b>	<b>675,455</b>	<b>675,519</b>	<b>716,795</b>	<b>746,432</b>	<b>716,135</b>	<b>707,549</b>	<b>645,167</b>	<b>663,427</b>	<b>709,986</b>

TABLE 3

MONTHLY CRUDE STEEL PRODUCTION  
 =====  
 (thousand metric tons)

<u>European Community</u>										
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
January	10,347	10,731	10,552	10,506	10,640	9,781	10,461	8,232	9,721	9,724
February	10,545	10,175	10,492	11,282	10,637	9,990	10,345	8,529	9,967	9,574
March	11,901	11,626	11,902	12,692	11,686	11,241	11,127	9,704	10,742	10,883
April	11,147	10,152	12,232	11,341	11,622	10,377	10,581	9,021	9,724	10,236
May	12,053	11,061	11,803	12,163	12,241	11,125	10,700	9,676	10,519	10,486
June	11,341	11,191	11,405	11,852	11,879	10,792	9,833	9,448	10,166	10,633
July	11,254	10,371	10,728	11,699	10,935	10,368	8,583	8,392	9,808	9,871
August	10,531	9,347	9,341	10,660	9,245	9,078	6,971	7,283	8,180	8,567
September	11,966	11,019	11,479	12,410	10,114	10,820	8,439	9,507	10,311	10,067
October	11,877	10,701	11,851	12,652	10,430	10,997	8,394	10,153	10,694	
November	11,191	10,418	11,485	12,166	9,901	10,822	8,066	9,861	10,250	
December	9,945	9,395	9,243	10,860	8,555	9,786	6,934	8,618	9,019	
Year total	134,098	126,187	132,513	140,283	127,885	125,177	110,434	108,424	119,101	90,041
<u>United States</u>										
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
January	8,922	8,246	9,312	10,074	9,708	9,607	7,017	5,052	7,230	6,336
February	8,988	8,037	8,653	9,582	9,373	9,097	6,510	5,149	7,386	6,215
March	10,246	10,023	10,002	11,409	10,337	10,657	7,300	6,464	8,215	7,502
April	10,377	10,131	10,428	11,064	9,669	10,199	6,354	6,615	8,162	7,141
May	11,010	11,069	11,171	11,602	8,370	10,363	6,057	6,724	8,323	7,103
June	10,528	10,327	10,747	11,095	6,805	9,481	5,487	6,344	7,208	6,615
July	10,342	9,361	10,329	10,724	6,165	9,217	5,187	6,279	6,768	6,359
August	10,095	9,427	10,457	10,260	6,367	9,181	5,023	6,369	6,273	6,468
September	9,492	9,117	10,350	9,563	7,046	8,725	4,806	6,472	5,786	6,282
October	9,340	9,473	11,005	9,807	8,566	8,167	4,773	6,978	6,081	
November	8,613	8,843	10,573	9,070	9,124	7,223	4,123	6,589	5,826	
December	8,360	9,088	10,713	9,068	9,235	6,959	4,042	6,342	5,455	
Year total	116,313	113,142	123,740	123,318	100,765	108,876	66,679	75,377	82,713	60,021
<u>Japan</u>										
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
January	8,022	8,871	8,328	9,234	9,648	8,314	8,787	7,677	8,645	8,875
February	7,846	8,171	7,646	8,711	9,237	7,785	8,206	7,121	8,325	8,426
March	9,193	8,962	8,272	9,256	9,579	8,354	8,813	7,759	8,608	9,162
April	8,641	8,590	8,367	9,329	9,801	8,438	8,786	7,964	8,822	9,113
May	8,542	8,732	8,466	9,524	9,969	8,516	8,766	8,207	9,031	9,159
June	8,504	8,542	8,326	9,158	9,506	8,416	8,453	8,005	8,719	8,779
July	9,430	8,657	8,799	9,553	9,481	8,748	8,191	8,408	9,068	8,965
August	9,446	8,487	8,705	9,312	8,905	8,516	7,925	8,139	8,836	8,539
September	9,137	8,426	8,561	9,225	8,940	8,398	7,867	8,202	8,621	8,302
October	9,757	8,499	9,053	9,707	9,192	9,006	8,060	8,913	9,186	
November	9,450	8,218	8,770	9,445	8,609	8,668	7,888	8,459	8,828	
December	9,416	8,250	8,811	9,303	8,528	8,516	7,803	8,315	8,895	
Year total	107,384	102,405	102,104	111,757	111,395	101,675	99,547	97,169	105,584	79,320



TABLE 3  
(continued)

MONTHLY CRUDE STEEL PRODUCTION  
 =====  
 (thousand metric tons)

	<u>Other Reporting Countries</u>									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
January	7,121	7,824	8,167	9,331	9,889	9,654	9,696	8,839	10,432	10,439
February	6,973	7,332	7,645	8,547	9,157	9,244	9,146	8,464	10,002	10,019
March	7,522	8,048	8,569	9,799	9,844	10,336	10,060	9,540	10,876	11,446
April	7,332	7,464	8,341	9,418	9,449	9,869	9,419	9,204	10,442	10,611
May	7,776	7,637	8,546	9,823	9,595	10,060	9,769	9,507	10,603	11,058
June	7,399	7,566	8,237	9,103	9,447	9,668	9,244	9,342	10,343	10,852
July	7,363	7,278	7,842	9,043	9,291	9,379	9,024	9,135	10,127	10,537
August	7,405	7,569	7,923	9,076	9,107	8,588	8,844	9,138	10,021	10,279
September	7,484	7,777	8,701	9,483	9,356	9,071	9,143	9,686	10,389	11,039
October	7,646	8,240	8,977	10,006	9,789	9,286	9,115	10,247	10,918	
November	7,546	7,960	8,770	9,718	9,663	9,034	8,687	9,974	10,437	
December	7,650	7,945	9,075	9,797	9,557	9,506	8,606	10,052	10,517	
Year total	89,217	92,640	100,793	113,144	114,144	113,695	110,753	113,128	125,107	96,280

	<u>Total 29 Reporting Countries</u>									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
January	34,412	35,672	36,359	39,145	39,885	37,356	35,961	29,800	36,028	35,374
February	34,352	33,715	34,436	38,122	38,404	36,116	34,207	29,263	35,680	34,234
March	38,862	38,659	38,745	43,156	41,446	40,588	37,300	33,467	38,441	38,993
April	37,497	36,337	39,368	41,152	40,541	38,883	35,142	32,804	37,150	37,101
May	39,381	38,499	39,986	43,112	40,175	40,064	35,292	34,114	38,476	37,806
June	37,772	37,626	38,715	41,208	37,637	38,357	33,017	33,139	36,436	36,879
July	38,389	35,667	37,698	41,019	35,872	37,712	30,985	32,214	35,771	35,732
August	37,477	34,830	36,426	39,308	33,624	35,363	28,763	30,929	33,310	33,853
September	38,079	36,339	39,091	40,681	35,456	37,014	30,255	33,867	35,107	35,690
October	38,620	36,913	40,886	42,172	37,977	37,456	30,342	36,291	36,879	
November	36,800	35,439	39,598	40,399	37,297	35,747	28,764	34,883	35,341	
December	35,371	34,678	37,842	39,028	35,875	34,767	27,385	33,327	33,886	
Year total	447,012	434,374	459,150	488,502	454,189	449,423	387,413	394,098	432,505	325,662

In these tables, the European Community figures comprise the following eight countries: Belgium, Denmark, FR Germany, France, Italy, Luxembourg, Netherlands, United Kingdom.

Other Reporting Countries include Austria, Finland, Norway, Portugal, Spain, Sweden, Yugoslavia, Canada, Argentina, Brazil, Chile, Mexico, Venezuela, Australia, India, Republic of Korea, South Africa and Taiwan (ROC).

Since 1984 a thirtieth reporting country, Nigeria, has been included in the monthly crude steel production report IISI 101/102. However Nigeria is excluded from the above figures in order to retain comparability with previous years.

TABLE 4

## CRUDE STEEL PRODUCTION BY PROCESS - 1983

	Thousand Metric Tons					Percentages of Total			
	Oxygen	Electric	OH	Other	Total	Oxygen	EAF	OH	Other
Belgium	9,355	799	0	0	10,154	92.1	7.9	0.0	0.0
Denmark	0	493	0	0	493	0.0	100.0	0.0	0.0
France	14,121	3,461	0	0	17,582	80.3	19.7	0.0	0.0
FR of Germany	28,775	6,954	0	0	35,729	80.5	19.5	0.0	0.0
Ireland	0	141	0	0	141	0.0	100.0	0.0	0.0
Italy	10,140	11,663	0	7	21,810	46.5	53.5	0.0	.0
Luxembourg	3,294	0	0	0	3,294	100.0	0.0	0.0	0.0
Netherlands	4,277	200	0	0	4,477	95.5	4.5	0.0	0.0
United Kingdom	10,495	4,491	0	0	14,986	70.0	30.0	0.0	0.0
EC Total	80,457	28,202	0	7	108,666	74.0	26.0	0.0	.0
Austria	3,995	416	0	0	4,411	90.6	9.4	0.0	0.0
Finland	2,045	371	0	0	2,416	84.6	15.4	0.0	0.0
Norway	509	387	0	0	896	56.8	43.2	0.0	0.0
Portugal	350	319	0	0	669	52.3	47.7	0.0	0.0
Spain	5,356	7,399	254	0	13,009	41.2	56.9	2.0	0.0
Sweden	2,053	2,157	0	0	4,210	48.8	51.2	0.0	0.0
Turkey	2,036	1,249	549	0	3,834	53.1	32.6	14.3	0.0
Yugoslavia	1,598	1,103	1,433	0	4,134	38.7	26.7	34.7	0.0
Other Western Europe	17,942	13,401	2,236	0	33,579	53.4	39.9	6.7	0.0
Total Western Europe	98,399	41,603	2,236	7	142,245	69.2	29.2	1.6	.0
Canada	8,496	3,416	921	0	12,833	66.2	26.6	7.2	0.0
United States	47,219	24,145	5,398	0	76,762	61.5	31.5	7.0	0.0
Japan	69,550	27,629	0	0	97,179	71.6	28.4	0.0	0.0
Australia	5,481	195	0	0	5,676	96.6	3.4	0.0	0.0
New Zealand	0	234	0	0	234	0.0	100.0	0.0	0.0
South Africa	4,707	2,313	0	160	7,180	65.6	32.2	0.0	2.2
TOTAL INDUSTRIAL CTS.	233,852	99,535	8,555	167	342,109	68.4	29.1	2.5	.0
Argentina	594	1,624	670	54	2,942	20.2	55.2	22.8	1.8
Brazil	10,210	3,655	806	0	14,671	69.6	24.9	5.5	0.0
Chile	593	18	0	7	618	96.0	2.9	0.0	1.1
Mexico	2,965	3,172	811	0	6,948	42.7	45.7	11.7	0.0
Venezuela	0	1,929	391	0	2,320	0.0	83.1	16.9	0.0
India	2,805	2,217	5,215	0	10,237	27.4	21.7	50.9	0.0
Republic of Korea	8,449	3,466	0	0	11,915	70.9	29.1	0.0	0.0
Taiwan (ROC)	3,420	1,611	0	0	5,031	68.0	32.0	0.0	0.0
TOTAL WESTERN CTS.	262,888	117,227	16,448	228	396,791	66.3	29.5	4.1	0.1
Bulgaria	1,560	884	381	0	2,825	55.2	31.3	13.5	0.0
German Dem Rep	591	2,257	4,267	104	7,219	8.2	31.3	59.1	1.4
Hungary	1,194	401	2,022	0	3,617	33.0	11.1	55.9	0.0
Poland	6,891	2,350	6,986	0	16,227	42.5	14.5	43.1	0.0
Romania	5,684	2,685	4,224	0	12,593	45.1	21.3	33.5	0.0
USSR (2)	48,100	17,100	87,000	311	152,511	31.5	11.2	57.0	0.2
Total Eastern Europe	64,020	25,677	104,880	415	194,992	32.8	13.2	53.8	0.2
TOTAL	326,908	142,904	121,328	643	591,783	55.2	24.1	20.5	0.1

(1) Other is steel for castings.

(2) Open hearth and electric are estimated.

TABLE 4  
(continued)

## CRUDE STEEL PRODUCTION BY PROCESS - 1984

	<u>Thousand Metric Tons</u>					<u>Percentages of Total</u>			
	Oxygen	Electric	OH	Other	Total	Oxygen	EHF	OH	Other
Belgium	10,401	904	0	0	11,305	92.0	8.0	0.0	0.0
Denmark	0	548	0	0	548	0.0	100.0	0.0	0.0
France	15,278	3,722	0	0	19,000	80.4	19.6	0.0	0.0
FR of Germany	31,731	7,658	0	0	39,389	80.6	19.4	0.0	0.0
Ireland	0	166	0	0	166	0.0	100.0	0.0	0.0
Italy	11,350	12,703	0	8	24,061	47.2	52.8	0.0	.0
Luxembourg	3,987	0	0	0	3,987	100.0	0.0	0.0	0.0
Netherlands	5,533	206	0	0	5,739	96.4	3.6	0.0	0.0
United Kingdom	10,295	4,826	0	0	15,121	68.1	31.9	0.0	0.0
EC Total	88,575	30,733	0	8	119,316	74.2	25.8	0.0	.0
Austria	4,393	477	0	0	4,870	90.2	9.8	0.0	0.0
Finland	2,217	415	0	0	2,632	84.2	15.8	0.0	0.0
Norway	511	405	0	0	916	55.8	44.2	0.0	0.0
Portugal	390	296	0	0	686	56.9	43.1	0.0	0.0
Spain	5,391	8,093	0	0	13,484	40.0	60.0	0.0	0.0
Sweden	2,279	2,426	0	0	4,705	48.4	51.6	0.0	0.0
Turkey	2,375	1,465	459	0	4,299	55.2	34.1	10.7	0.0
Yugoslavia (E)	1,648	1,146	1,430	0	4,224	39.0	27.1	33.9	0.0
Other Western Europe	19,204	14,723	1,889	0	35,816	53.6	41.1	5.3	0.0
Total Western Europe	107,779	45,456	1,889	8	155,132	69.5	29.3	1.2	.0
Canada (1)	10,735	3,965	0	0	14,700	73.0	27.0	0.0	0.0
United States	47,920	28,459	7,561	0	83,940	57.1	33.9	9.0	0.0
Japan	76,358	29,228	0	0	105,586	72.3	27.7	0.0	0.0
Australia	6,068	234	0	0	6,302	96.3	3.7	0.0	0.0
New Zealand	0	280	0	0	280	0.0	100.0	0.0	0.0
South Africa	5,357	2,219	0	156	7,721	69.4	28.7	0.0	2.0
TOTAL INDUSTRIAL CTS.	254,217	109,841	9,450	164	373,672	68.0	29.4	2.5	.0
Argentina	567	1,440	591	49	2,647	21.4	54.4	22.3	1.9
Brazil	12,811	4,767	807	0	18,385	69.7	25.9	4.4	0.0
Chile	663	27	0	0	690	96.1	3.9	0.0	0.0
Mexico	3,391	3,161	930	0	7,482	45.3	42.2	12.4	0.0
Venezuela	0	2,218	552	0	2,770	0.0	80.1	19.9	0.0
India	3,435	2,255	4,859	0	10,549	32.6	21.4	46.1	0.0
Republic of Korea	9,194	3,840	0	0	13,034	70.5	29.5	0.0	0.0
Taiwan (ROC)	3,341	1,669	0	0	5,010	66.7	33.3	0.0	0.0
TOTAL WESTERN CTS.	287,619	129,218	17,189	213	434,239	66.2	29.8	4.0	.0
Bulgaria	1,576	966	326	0	2,868	55.0	33.7	11.4	0.0
German Dem Rep	1,095	2,367	3,998	113	7,573	14.5	31.3	52.8	1.5
Hungary	1,295	444	2,012	0	3,751	34.5	11.8	53.6	0.0
Poland	7,036	2,428	7,059	9	16,532	42.6	14.7	42.7	0.1
Romania	7,062	2,985	4,389	0	14,436	48.9	20.7	30.4	0.0
USSR (2)	48,700	17,300	87,900	300	154,200	31.6	11.2	57.0	0.2
Total Eastern Europe	66,764	26,490	105,684	422	199,360	33.5	13.3	53.0	0.2
TOTAL	354,383	155,708	122,873	635	633,599	55.9	24.6	19.4	0.1

(1) Oxygen figure includes Open Hearth

(2) USSR Open Hearth and Electric are estimated.

TABLE 5

## CONTINUOUSLY CAST STEEL

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thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Belgium	480	693	1,655	2,672	3,161	3,170	3,789	3,294	3,903	5,597
Denmark	73	312	347	481	473	538	586	542	480	545
France	2,771	4,212	5,244	6,286	6,930	9,561	10,918	10,769	11,218	12,708
FR of Germany	9,813	12,014	13,272	15,670	17,948	20,162	22,319	22,214	25,654	30,294
Ireland	0	0	0	0	0	0	32	61	141	166
Italy	5,904	7,559	8,986	10,073	11,243	13,218	12,578	14,056	14,886	17,638
Luxembourg	0	0	0	0	0	0	265	680	794	1,044
Netherlands	0	0	0	0	0	313	1,159	1,350	1,610	2,221
United Kingdom	1,704	2,165	2,554	3,149	3,627	3,059	4,958	5,341	6,986	7,858
EC Total	20,745	26,955	32,058	38,331	43,382	50,021	56,604	58,307	65,672	78,071
Austria	866	1,244	1,533	1,723	2,336	2,367	2,907	3,290	3,862	4,336
Finland	1,233	1,255	1,831	2,054	2,187	2,261	2,231	2,255	2,259	2,484
Norway	140	142	117	126	132	111	136	197	314	471
Portugal	35	69	195	244	245	281	212	236	291	278
Spain	2,333	2,493	2,887	3,287	3,885	4,608	5,098	5,525	5,965	6,603
Sweden	1,390	1,451	1,214	1,561	1,824	2,077	2,517	2,965	3,354	3,744
Turkey	0	0	0	0	0	183	324	1,772	2,438	3,087
Yugoslavia	330	398	824	1,186	1,286	1,329	1,720	1,826	2,133	2,200 E
Other Western Europe	6,327	7,052	8,601	10,181	11,895	13,217	15,145	18,066	20,616	23,203
Total Western Europe	27,072	34,007	40,659	48,512	55,277	63,238	71,749	76,373	86,288	101,274
Canada	1,735	1,582	2,169	3,011	3,192	4,073	4,771	3,895	4,802	5,647
United States	9,653	12,246	14,268	18,903	20,904	20,611	22,247	19,616	24,652	33,266
Japan	31,814	37,629	41,807	47,159	58,116	66,271	71,843	78,377	83,819	94,097
Australia	47	0	0	33	441	779	992	1,118	1,398	1,701
South Africa	1,393	1,861	2,739	3,431	4,374	4,709	4,970	5,067	4,316	4,758
TOTAL INDUSTRIAL CTS.	71,714	87,325	101,642	121,049	142,304	159,681	176,572	184,446	205,275	240,743
Argentina	565	665	737	1,129	1,558	1,431	1,244	1,510	1,429	1,254
Brazil	477	1,119	1,957	3,016	3,831	5,106	4,816	5,336	6,505	7,589
Chile	7	11	11	9	10	15	9	4	8	11
Mexico	695	682	1,615	2,000	2,100	2,100	2,447	2,675	3,849	4,000 E
Venezuela	0	0	0	100	400	800	1,262	1,558	1,817	2,000 E
Republic of Korea	393	770	1,376	1,829	2,325	2,769	4,765	6,012	6,739	7,903
Taiwan (ROC)	0	0	420	1,341	1,910	1,931	1,848	3,360	4,259	4,338
TOTAL WESTERN CTS.	73,851	90,572	107,758	130,473	154,438	173,833	192,963	204,901	229,881	267,838
Czechoslovakia	69	107	110	58	140	222	228	375	766	1,077
German Dem Rep	525	566	623	677	738	1,038	1,180	1,233	1,308	1,937
Hungary	775	1,019	1,054	1,151	1,281	1,359	1,290	1,243	1,420	1,757
Poland	332	297	446	539	691	772	605	635	653	1,987
Romania	0	0	0	0	0	2,379	2,690	2,927	3,280	4,366
USSR	9,729	11,729	12,200	14,400	15,300	15,900	18,100	18,600	18,900	19,100
Total Eastern Europe	11,430	13,718	14,433	16,825	18,150	21,670	24,093	25,013	26,327	30,224
TOTAL	85,281	104,290	122,191	147,298	172,588	195,503	217,056	229,914	256,208	298,062

TABLE 5  
(continued)

CONTINUOUSLY CAST STEEL  
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Percentage of Total Crude Steel Production

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Belgium	4.1	5.7	14.6	21.1	23.4	25.5	30.6	33.0	38.4	49.5
Denmark	13.1	43.2	50.6	55.7	58.8	73.3	95.8	96.8	97.4	99.5
France	12.9	18.1	23.7	27.5	29.7	41.3	51.4	58.5	63.8	66.9
FR of Germany	24.3	28.3	34.0	38.0	39.0	46.0	53.6	61.9	71.8	76.9
Ireland	0.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0	100.0	100.0
Italy	27.0	32.2	38.5	41.5	46.4	49.9	50.8	58.5	68.2	73.3
Luxembourg	0.0	0.0	0.0	0.0	0.0	0.0	7.0	19.4	24.1	26.2
Netherlands	0.0	0.0	0.0	0.0	0.0	5.9	21.2	31.0	36.0	38.7
United Kingdom	8.5	9.7	12.5	15.5	16.9	27.1	31.8	39.0	46.6	52.0
EC Total	16.5	20.1	25.4	28.9	30.9	39.1	45.1	52.8	60.4	65.4
Austria	21.3	27.8	37.5	39.7	47.5	51.2	62.4	77.3	87.6	89.0
Finland	76.3	76.1	83.4	88.0	88.8	90.2	91.9	93.4	93.5	94.4
Norway	15.7	16.0	16.6	15.8	14.8	12.9	16.0	25.4	35.4	51.4
Portugal	8.4	15.0	36.7	40.1	37.7	42.6	37.2	47.1	43.4	40.5
Spain	21.0	22.7	25.8	29.0	31.7	36.4	39.5	41.9	45.9	49.0
Sweden	24.8	28.2	30.6	36.1	38.5	49.0	66.8	76.0	79.7	79.6
Turkey	0.0	0.0	0.0	0.0	0.0	7.2	13.4	55.7	63.6	71.8
Yugoslavia	11.3	14.5	25.9	34.3	36.4	36.6	43.2	47.6	51.6	52.1
Other Western Europe	22.3	24.9	31.0	34.7	37.4	41.7	48.0	56.4	61.4	64.8
Total Western Europe	17.6	20.9	26.4	29.9	32.1	39.6	45.7	53.6	60.7	65.3
Canada	13.3	11.9	15.9	20.2	19.9	25.6	32.2	32.8	37.4	38.4
United States	9.1	10.5	12.5	15.2	16.9	20.3	20.3	29.0	32.1	39.6
Japan	31.1	35.0	40.8	46.2	52.0	59.5	70.7	78.7	86.3	89.1
Australia	0.6	0.0	0.0	0.4	5.4	10.3	13.0	17.5	24.6	27.0
South Africa	20.4	26.2	37.5	43.4	49.3	51.9	55.2	61.2	60.1	61.5
TOTAL INDUSTRIAL CTS.	18.4	21.1	25.5	28.9	32.3	39.4	44.2	54.9	60.0	64.5
Argentina	25.6	27.6	27.5	40.6	48.7	53.3	49.2	51.8	48.6	47.4
Brazil	5.7	12.1	17.4	24.7	27.6	33.4	36.4	41.1	44.3	41.3
Chile	1.4	2.2	2.0	1.5	1.6	2.0	1.4	0.8	1.3	1.6
Mexico	13.2	12.9	28.8	29.5	29.5	29.3	32.2	37.9	55.6	53.5
Venezuela	0.0	0.0	0.0	11.6	27.1	40.5	62.2	68.4	78.3	72.2
Republic of Korea	19.7	21.9	31.7	36.8	30.6	32.4	44.3	51.1	56.6	60.6
Taiwan (ROC)	0.0	0.0	24.6	39.1	59.9	56.5	58.5	80.9	84.7	86.6
TOTAL WESTERN CTS.	18.0	20.7	25.3	29.0	32.3	39.1	43.9	54.2	59.5	63.3
Czechoslovakia	0.5	0.7	0.7	0.4	0.9	1.5	1.5	2.5	5.1	7.3
German Dem Rep	8.1	8.4	9.1	9.7	10.5	14.2	15.8	17.2	18.1	25.6
Hungary	21.1	27.9	28.3	29.7	32.8	36.1	35.4	33.6	39.3	46.8
Poland	2.2	1.9	2.5	2.8	3.6	4.0	3.8	4.3	4.0	12.0
Romania	0.0	0.0	0.0	0.0	0.0	18.1	20.7	22.4	26.0	30.2
USSR	6.9	8.1	8.3	9.5	10.3	10.7	12.2	12.6	12.4	12.4
Total Eastern Europe	6.0	7.0	7.2	8.1	8.8	10.5	11.8	12.5	12.7	14.3
TOTAL	14.2	16.5	19.5	22.3	25.2	30.0	33.7	39.7	43.2	47.0

TABLE 6  
ARGENTINA

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	0	0	0	0	285	238	215	163	7	18
Railway Track Material	0	0	0	0	21	21	64	29	25	35
Structurals and Bar Mill Products:										
Heavy Structurals	0	0	0	0	66	44	50	69	50	45
Bars & Light Shapes	0	0	0	0	222	151	142	246	192	199
Re-inforcing Bars (1)	0	0	0	0	627	552	516	485	476	336
Total	0	0	0	0	915	747	708	800	718	580
Wire Rods	0	0	0	0	58	67	77	93	194	220
Hot Rolled Strip	0	0	0	0	4	11	42	86	90	41
Plates	0	0	0	0	207	272	148	217	153	47
Sheet and Coil:										
Hot Rolled Sheet & Coil	0	0	0	0	214	75	30	60	147	242
Cold Rolled Sheet & Coil	0	0	0	0	641	527	392	524	557	527
Electrical Sheet	0	0	0	0	0	0	0	0	0	0
Galvanised Sheet	0	0	0	0	152	127	94	88	120	128
Other Coated Sheet	0	0	0	0	7	7	10	6	8	10
Total	0	0	0	0	1,014	736	526	678	832	907
Tinplate & Black Plate	0	0	0	0	71	43	52	87	79	94
Wheels & Axles (rolled & forged) (2)	0	0	0	0	7	8	6	5	3	4
Steel Tubes and Fittings (3)	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	157	107	92	117	131	132
Cold Rolled Strip	0	0	0	0	17	23	44	29	32	20
Cold Drawn Bars (4)	0	0	0	0	0	0	0	0	0	0
TOTAL CARBON STEELS	0	0	0	0	2,756	2,273	1,974	2,304	2,264	2,098
Special Steel Grades (all products)	0	0	0	0	528	413	407	434	478	475
TOTAL STEEL PRODUCTS	0	0	0	0	3,284	2,686	2,381	2,738	2,742	2,573

(1) Includes concrete reinforcing wire.

(2) Includes other forgings for railway wagons.

(3) Welded tubes are included in plates, sheets and CR strip.

(4) Included in special steels.

Comparable information not available prior to 1979.

## AUSTRALIA

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	18	9	4	4	0	0	0	0	0	0
Ingots & Semis for sale	1,525	1,579	1,299	1,248	1,105	318	425	273	287	308
Railway Track Material	138	99	74	119	141	137	94	150	88	96
Structurals and Bar Mill Products:										
Heavy Structural Bars & Light Shapes	254	254	272	298	336	408	393	322	235	232
Re-inforcing Bars	894	777	765	870	990	1,083	1,032	897	727	799
Re-inforcing Bars	0	0	0	0	58	65	0	0	0	0
Total	1,148	1,031	1,037	1,168	1,384	1,556	1,425	1,219	962	1,031
Wire Rods (1)	497	668	855	741	757	720	702	562	525	564
Hot Rolled Strip	181	211	214	189	280	303	273	300	437	465
Plates	574	433	422	411	550	592	600	498	395	353
Sheet and Coil:										
Hot Rolled Sheet & Coil	972	1,248	1,291	1,418	1,498	1,585	1,630	1,393	376	263
Cold Rolled Sheet & Coil	0	0	0	0	0	0	0	0	215	245
Electrical Sheet	0	0	0	0	0	0	0	0	7	7
Galvanised Sheet	0	0	0	0	0	0	0	0	418	371
Other Coated Sheet	0	0	0	0	0	0	0	0	297	344
Total	972	1,248	1,291	1,418	1,498	1,585	1,630	1,393	1,313	1,230
Tinplate & Black Plate	268	332	369	343	366	321	349	348	364	389
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings (2)	158	129	163	155	179	189	157	88	29	48
Drawn Wire (1)	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip (3)	62	100	76	108	141	109	97	51	18	29
Cold Drawn Bars (4)	0	0	0	0	0	0	0	0	0	0
<b>TOTAL CARBON STEELS</b>	<b>5,541</b>	<b>5,839</b>	<b>5,804</b>	<b>5,904</b>	<b>6,401</b>	<b>5,830</b>	<b>5,752</b>	<b>4,882</b>	<b>4,418</b>	<b>4,513</b>
Special Steel Grades (all products) (4)	0	0	0	0	0	0	0	0	0	0
<b>TOTAL STEEL PRODUCTS</b>	<b>5,541</b>	<b>5,839</b>	<b>5,804</b>	<b>5,904</b>	<b>6,401</b>	<b>5,830</b>	<b>5,752</b>	<b>4,882</b>	<b>4,418</b>	<b>4,513</b>

(1) Wire rod includes wire rod equivalent of wire and wire products.

(2) From 1983, exports only. Material for production included with Hot Rolled Strip.

(3) From 1983, home market only. Exports included with Hot Rolled Strip.

(4) Not separately identified.

From 1983, the figures cover BHP deliveries only and Australian trade statistics.

## AUSTRIA

## TOTAL DELIVERIES OF STEEL PRODUCTS

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(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	293
Ingots & Semis for sale	238	64	17	13	14	15	132	209	232	41
Railway Track Material	139	149	125	140	167	135	137	141	125	182
Structurals and Bar Mill Products:										
Heavy Structural	63	57	54	74	64	52	57	45	49	45
Bars & Light Shapes	136	156	118	119	121	123	114	100	143	166
Re-inforcing Bars	207	226	277	214	234	214	200	191	217	143
Total	406	439	449	407	419	389	371	336	409	354
Wire Rods	265	387	318	347	392	420	447	387	420	447
Hot Rolled Strip	149	193	163	164	168	161	142	40	58	68
Plates	610	559	548	659	749	776	907	802	759	878
Sheet and Coil:										
Hot Rolled Sheet & Coil	206	390	343	467	522	447	411	386	420	518
Cold Rolled Sheet & Coil	801	884	938	915	946	865	974	727	1,020	1,086
Electrical Sheet	13	25	27	28	35	31	29	40	25	23
Galvanised Sheet	67	74	94	104	135	132	155	139	165	169
Other Coated Sheet	4	4	4	3	4	4	4	5	4	6
Total	1,091	1,377	1,406	1,517	1,642	1,479	1,573	1,297	1,634	1,802
Tinplate & Black Plate	0	0	0	0	0	0	0	0	0	0
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
<b>TOTAL CARBON STEELS</b>	<b>2,898</b>	<b>3,168</b>	<b>3,026</b>	<b>3,247</b>	<b>3,551</b>	<b>3,375</b>	<b>3,709</b>	<b>3,212</b>	<b>3,637</b>	<b>4,065</b>
Special Steel Grades (all products)	287	299	339	340	354	344	313	290	261	286
<b>TOTAL STEEL PRODUCTS</b>	<b>3,185</b>	<b>3,467</b>	<b>3,365</b>	<b>3,587</b>	<b>3,905</b>	<b>3,719</b>	<b>4,022</b>	<b>3,502</b>	<b>3,898</b>	<b>4,351</b>



## BELGIUM

## TOTAL DELIVERIES OF STEEL PRODUCTS

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(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	52	33	0	0	0	0	0	0	0	0
Ingots & Semis for sale	822	442	227	196	425	470	442	472	712	646
Railway Track Material	1	1	0	0	0	0	0	0	0	0
<b>Structurals and Bar Mill Products:</b>										
Heavy Structural	1,167	1,105	1,165	1,218	1,116	964	821	462	519	488
Bars & Light Shapes	827	878	581	570	609	524	392	282	320	264
Re-inforcing Bars	577	524	385	345	500	404	261	262	202	205
Total	2,571	2,507	2,131	2,133	2,225	1,892	1,474	1,006	1,041	957
Wire Rods	498	525	478	582	655	648	653	572	503	570
Hot Rolled Strip	88	147	101	89	41	27	65	64	58	84
Plates	1,214	1,125	1,141	1,410	1,492	1,488	1,638	1,341	1,084	1,131
<b>Sheet and Coil:</b>										
Hot Rolled Sheet & Coil	1,026	1,424	1,680	2,346	2,435	2,221	2,412	2,002	2,147	2,541
Cold Rolled Sheet & Coil	2,018	2,200	2,234	2,406	2,199	2,020	1,906	1,542	1,444	1,692
Electrical Sheet	71	92	98	108	119	148	120	79	100	95
Galvanised Sheet (1)	475	555	529	626	705	700	715	626	679	734
Other Coated Sheet	0	0	0	0	0	0	0	0	0	0
Total	3,590	4,271	4,541	5,486	5,458	5,089	5,153	4,249	4,370	5,062
Tinplate & Black Plate	310	324	380	323	368	372	351	418	473	572
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
<b>TOTAL CARBON STEELS</b>	<b>9,146</b>	<b>9,375</b>	<b>8,999</b>	<b>10,219</b>	<b>10,664</b>	<b>9,986</b>	<b>9,776</b>	<b>8,122</b>	<b>8,241</b>	<b>9,022</b>
Special Steel Grades (all products)	222	213	191	236	679	668	472	478	510	640
<b>TOTAL STEEL PRODUCTS</b>	<b>9,368</b>	<b>9,588</b>	<b>9,190</b>	<b>10,455</b>	<b>11,343</b>	<b>10,654</b>	<b>10,248</b>	<b>8,600</b>	<b>8,751</b>	<b>9,662</b>

(1) Other Coated Sheet included with Galvanised Sheet.

Excluding tonnages of coils re-exported after sub-contract rolling for other EC steelworks.

## BRAZIL

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	315	397	327	313	0	0	602	460	730	0
Railway Track Material	184	78	62	28	0	0	56	104	76	0
Structurals and Bar Mill Products:										
Heavy Structural Bars & Light Shapes	446	497	446	478	0	0	216	161	121	0
Re-inforcing Bars	1,607	1,798	1,826	0	0	0	330	390	356	0
	ERR	ERR	ERR	2,004			1,794	1,736	1,848	0
Total	2,053	2,295	2,272	2,482	0	0	2,340	2,287	2,325	0
Wire Rods	165	225	211	229	0	0	378	438	506	0
Hot Rolled Strip	0	0	0	0	0	0	0	0	0	0
Plates	854	778	1,114	1,295	0	0	1,982	1,566	1,596	0
Sheet and Coil:										
Hot Rolled Sheet & Coil	674	899	1,172	1,231	0	0	1,255	1,659	2,704	0
Cold Rolled Sheet & Coil	942	1,060	1,265	1,458	0	0	1,567	1,661	1,843	0
Electrical Sheet	20	26	26	24	0	0	29	49	53	0
Galvanised Sheet	103	107	127	192	0	0	166	183	166	0
Other Coated Sheet	3	41	29	100	0	0	49	62	92	0
Total	1,742	2,133	2,619	3,005	0	0	3,066	3,614	4,858	0
Tinplate & Black Plate	294	381	484	548			402	540	470	0
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	152	180	174	187	0	0	326	285	196	0
Drawn Wire (1)	645	585	752	771	0	0	0	0	812	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	37	36	67	0
TOTAL CARBON STEELS	6,404	7,052	8,015	8,858	0	0	9,189	9,330	11,636	0
Special Steel Grades (all products)	0	0	0	0	0	0	1,019	959	1,244	0
TOTAL STEEL PRODUCTS	6,404	7,052	8,015	8,858	0	0	10,208	10,289	12,880	0

(1) Data not available for 1981 and 1982.

Comparable information not available for 1979, 1980 and 1984.

## CANADA

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes (1)	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	384	451	626	702	596	761	1,328	524	778	557
Railway Track Material (2)	118	486	433	392	527	953	938	469	499	568
<b>Structurals and Bar Mill Products:</b>										
Heavy Structural (2)	0	0	0	0	0	0	0	0	0	0
Bars & Light Shapes (2)	1,499	1,470	1,689	2,115	2,295	1,571	1,533	1,071	1,259	1,417
Re-inforcing Bars (3)	609	559	586	707	716	855	949	691	750	730
Total	2,108	2,029	2,275	2,822	3,011	2,426	2,482	1,762	2,009	2,147
Wire Rods (4)	575	726	784	1,007	1,181	1,218	1,002	905	1,003	1,099
Hot Rolled Strip (5)	0	0	0	0	0	0	0	0	0	0
Plates	1,459	1,101	1,178	1,524	1,800	1,875	1,921	1,208	1,065	1,545
<b>Sheet and Coil:</b>										
Hot Rolled Sheet & Coil	2,241	2,455	2,454	2,540	2,617	2,310	2,342	2,002	2,131	2,836
Cold Rolled Sheet & Coil	1,531	1,750	1,824	2,008	2,063	1,944	1,862	1,764	1,867	1,969
Electrical Sheet (6)	0	0	0	0	0	0	0	0	0	0
Galvanised Sheet	767	837	914	1,091	1,111	1,014	999	975	1,007	1,118
Other Coated Sheet (6)	0	0	0	0	0	0	0	0	0	0
Total	4,539	5,042	5,192	5,639	5,791	5,268	5,203	4,741	5,005	5,923
Tinplate & Black Plate (6)	0	0	0	0	0	0	0	0	0	0
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	1,370	1,192	1,094	1,272	1,861	1,574	1,969	1,194	1,029	1,421
Drawn Wire (4)	565	551	625	889	823	1,035	641	533	616	0
Cold Rolled Strip (6)	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	54	80	94	108	117	102	107	71	91	123
<b>TOTAL CARBON STEELS</b>	<b>11,172</b>	<b>11,658</b>	<b>12,301</b>	<b>14,355</b>	<b>15,707</b>	<b>15,212</b>	<b>15,591</b>	<b>11,407</b>	<b>12,095</b>	<b>13,383</b>
Special Steel Grades (all products) (7)	0	0	0	0	0	0	0	0	0	0
<b>TOTAL STEEL PRODUCTS</b>	<b>11,172</b>	<b>11,658</b>	<b>12,301</b>	<b>14,355</b>	<b>15,707</b>	<b>15,212</b>	<b>15,591</b>	<b>11,407</b>	<b>12,095</b>	<b>13,383</b>

(1) Included with Ingots and Semis.

(2) Railway Track Material includes Heavy Structural.

Heavy Sections are included with Bars and Light Shapes.

(3) Exports of Hot Rolled Bars included with Re-inforcing Bars.

(4) Includes Drawn Wire (1984 only).

(5) Included with Hot Rolled Sheet and Coil.

(6) Included with Cold Rolled Sheet and Coil.

(7) Included with Carbon Steel Grades.

## FRANCE

## TOTAL DELIVERIES OF STEEL PRODUCTS

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(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
CARBON STEEL GRADES:										
Semis for Seamless Tubes	560	512	469	497	498	491	343	285	165	140
Ingots & Semis for sale	222	394	328	296	260	334	190	269	404	528
Railway Track Material	421	466	288	250	322	314	254	254	191	212
Structurals and Bar Mill Products:										
Heavy Structurals	1,212	1,204	1,037	1,135	987	983	938	768	769	727
Bars & Light Shapes	1,159	1,156	932	867	962	1,000	790	760	741	759
Re-inforcing Bars	1,101	1,002	930	859	977	738	719	560	548	532
Total	3,472	3,362	2,899	2,861	2,926	2,721	2,447	2,088	2,058	2,018
Wire Rods	1,966	1,960	1,820	1,989	2,143	2,084	2,022	1,564	1,638	1,749
Hot Rolled Strip	974	1,230	1,118	1,215	1,192	1,029	836	682	621	552
Plates	2,253	2,244	2,763	2,332	2,112	2,455	2,564	1,540	1,590	1,618
Sheet and Coil:										
Hot Rolled Sheet & Coil	684	1,062	1,453	1,500	1,425	1,320	1,462	1,079	1,429	1,611
Cold Rolled Sheet & Coil	3,001	3,711	3,468	3,720	3,372	3,252	3,000	2,189	2,291	2,322
Electrical Sheet	166	194	153	160	195	254	211	198	248	235
Galvanised Sheet	427	551	856	974	1,101	1,152	1,189	1,141	1,264	1,496
Other Coated Sheet (1)	179	256	0	0	0	0	0	0	0	0
Total	4,457	5,774	5,930	6,354	6,093	5,978	5,862	4,607	5,232	5,664
Tinplate & Black Plate	764	917	1,108	1,152	1,108	1,143	1,008	880	944	965
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
TOTAL CARBON STEELS	15,089	16,859	16,723	16,946	16,654	16,549	15,526	12,169	12,843	13,446
Special Steel Grades (all products)	1,943	2,058	2,611	2,723	2,944	3,011	2,862	1,969	2,137	2,658
TOTAL STEEL PRODUCTS	17,032	18,917	19,334	19,669	19,598	19,560	18,388	14,138	14,980	16,104

(1) Included with Galvanised Sheet.

## F R GERMANY

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	1,235	1,022	911	929	971	890	984	480	188	179
Ingots & Semis for sale	4,021	4,345	4,228	4,889	5,610	5,603	5,832	4,866	5,021	6,447
Railway Track Material	658	519	414	440	531	456	477	380	310	336
<b>Structurals and Bar Mill Products:</b>										
Heavy Structurals	2,130	2,141	2,096	2,305	2,022	2,209	1,975	1,507	1,549	1,404
Bars & Light Shapes	3,396	3,211	2,952	3,126	3,431	3,186	2,700	2,290	2,160	2,277
Re-inforcing Bars	1,714	1,584	1,204	1,077	1,403	1,246	1,055	865	958	887
Total	7,240	6,936	6,252	6,508	6,856	6,641	5,730	4,662	4,667	4,568
Wire Rods	3,024	3,521	3,247	3,379	4,016	3,626	3,384	2,846	3,158	3,317
Hot Rolled Strip	1,940	2,595	2,329	2,330	2,654	2,516	2,384	2,115	2,100	2,150
Plates	7,887	6,325	6,415	7,262	7,661	7,194	7,816	6,329	6,099	6,672
<b>Sheet and Coil:</b>										
Hot Rolled Sheet & Coil	932	1,307	1,301	1,390	1,562	1,774	1,858	1,646	1,705	2,449
Cold Rolled Sheet & Coil	3,838	4,813	5,283	5,316	5,619	5,478	5,317	4,955	4,948	5,088
Electrical Sheet	321	425	333	378	361	372	363	352	406	480
Galvanised Sheet	1,047	1,471	1,421	1,453	1,724	1,751	1,693	1,678	1,778	1,976
Other Coated Sheet	0	0	0	0	0	0	0	0	0	0
Total	6,138	8,016	8,338	8,537	9,266	9,375	9,231	8,631	8,837	9,993
Tinplate & Black Plate	752	861	852	813	858	963	843	878	890	919
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
<b>TOTAL CARBON STEELS</b>	<b>32,895</b>	<b>34,140</b>	<b>32,986</b>	<b>35,087</b>	<b>38,423</b>	<b>37,264</b>	<b>36,681</b>	<b>31,187</b>	<b>31,270</b>	<b>34,581</b>
Special Steel Grades (all products)	0	0	0	0	0	0	0	0	0	0
<b>TOTAL STEEL PRODUCTS</b>	<b>32,895</b>	<b>34,140</b>	<b>32,986</b>	<b>35,087</b>	<b>38,423</b>	<b>37,264</b>	<b>36,681</b>	<b>31,187</b>	<b>31,270</b>	<b>34,581</b>

Since 1981, figures are production, not deliveries, and are based on data published by the United Nations Economic Commission for Europe.

## ITALY

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	848	780	754	768	730	725	645	676	523	0
Ingots & Semis for sale	461	344	256	330	310	418	850	825	871	0
Railway Track Material	181	235	232	208	230	204	214	230	217	0
Structurals and Bar Mill Products:										
Heavy Structurals	580	595	630	840	686	855	1,058	883	966	0
Bars & Light Shapes	2,217	2,341	2,773	3,094	2,676	2,830	2,773	2,381	2,592	0
Re-inforcing Bars	4,013	4,754	4,535	4,708	5,376	5,434	4,680	3,527	3,359	0
Total	6,810	7,690	7,938	8,642	8,738	9,119	8,511	6,791	6,917	0
Wire Rods	798	851	959	1,207	1,203	1,399	1,317	1,500	1,530	0
Hot Rolled Strip	619	746	704	703	717	809	732	552	438	0
Plates	3,623	2,706	2,592	2,633	2,543	2,694	3,074	2,761	2,477	0
Sheet and Coil:										
Hot Rolled Sheet & Coil	692	933	957	1,056	1,153	1,177	1,305	1,357	1,423	0
Cold Rolled Sheet & Coil	2,160	2,583	2,427	2,515	2,368	2,314	2,345	2,229	2,172	0
Electrical Sheet	147	196	187	208	208	201	167	175	196	0
Galvanised Sheet	358	455	471	549	554	535	617	595	653	0
Other Coated Sheet	41	50	68	68	96	107	140	139	64	0
Total	3,398	4,217	4,110	4,396	4,379	4,334	4,574	4,495	4,508	0
Tinplate & Black Plate	311	381	370	405	414	409	414	427	501	0
Wheels & Axles (rolled & forged)	34	36	31	28	53	61	51	52	46	0
Steel Tubes and Fittings	3,081	3,478	3,187	3,409	3,240	3,436	4,299	3,713	3,663	0
Drawn Wire	828	1,063	1,043	937	939	856	638	776	828	0
Cold Rolled Strip	411	547	521	563	553	504	444	461	477	0
Cold Drawn Bars	326	400	407	500	566	671	661	563	592	0
<b>TOTAL CARBON STEELS</b>	<b>21,729</b>	<b>23,474</b>	<b>23,104</b>	<b>24,729</b>	<b>24,615</b>	<b>25,639</b>	<b>26,424</b>	<b>23,822</b>	<b>23,588</b>	<b>0</b>
Special Steel Grades (all products) (1)	1,891	3,076	3,095	3,598	3,529	3,702	3,827	3,572	3,009	0
<b>TOTAL STEEL PRODUCTS</b>	<b>23,620</b>	<b>26,550</b>	<b>26,199</b>	<b>28,327</b>	<b>28,144</b>	<b>29,341</b>	<b>30,251</b>	<b>27,394</b>	<b>26,597</b>	<b>0</b>

ECSC steel products only.

## JAPAN

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	333	283	254	255	293	271	252	221	233	270
Railway Track Material	527	385	580	648	545	518	436	496	450	614
<b>Structurals and Bar Mill Products:</b>										
Heavy Structurals	6,239	6,666	5,850	6,202	7,376	7,424	7,519	7,515	7,118	7,409
Bars & Light Shapes	13,389	14,858	14,335	15,470	19,023	18,410	15,969	16,496	16,667	16,935
Re-inforcing Bars (1)	0	0	0	0	0	0	0	0	0	0
Total	19,628	21,524	20,185	21,672	26,399	25,834	23,488	24,011	23,785	24,344
Wire Rods	5,203	5,912	5,396	5,303	5,248	5,367	4,096	3,729	4,257	4,562
Hot Rolled Strip (2)	0	0	0	0	0	0	0	0	0	0
Plates	16,417	13,445	12,160	10,364	10,762	11,232	10,504	9,596	8,558	9,828
<b>Sheet and Coil:</b>										
Hot Rolled Sheet & Coil	9,944	10,449	10,367	10,464	11,675	11,111	8,829	8,565	9,290	9,174
Cold Rolled Sheet & Coil	9,506	12,538	12,479	11,769	12,393	12,648	11,470	10,962	11,488	11,698
Electrical Sheet	651	1,040	1,040	1,136	1,220	1,025	947	1,021	1,181	1,301
Galvanised Sheet	4,146	5,640	5,699	5,664	6,519	6,562	5,940	6,205	6,810	7,709
Other Coated Sheet	601	770	901	972	1,119	1,168	1,149	1,186	1,509	1,824
Total	24,848	30,437	30,486	30,005	32,926	32,514	28,335	27,939	30,278	31,706
Tinplate & Black Plate	1,603	1,772	1,891	1,782	1,865	1,886	1,673	1,626	1,608	1,619
Wheels & Axles (rolled & forged)	152	122	103	83	97	102	78	65	96	69
Steel Tubes and Fittings	7,853	7,401	8,013	8,561	9,516	9,582	9,563	8,628	7,446	8,281
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip (3)	168	206	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
<b>TOTAL CARBON STEELS</b>	<b>76,732</b>	<b>81,487</b>	<b>79,068</b>	<b>78,673</b>	<b>87,651</b>	<b>87,306</b>	<b>78,425</b>	<b>76,311</b>	<b>76,711</b>	<b>81,293</b>
Special Steel Grades (all products)	7,835	9,832	10,279	11,665	12,483	12,915	13,546	13,976	13,430	15,456
<b>TOTAL STEEL PRODUCTS</b>	<b>84,567</b>	<b>91,319</b>	<b>89,347</b>	<b>90,338</b>	<b>100,134</b>	<b>100,221</b>	<b>91,971</b>	<b>90,287</b>	<b>90,141</b>	<b>96,749</b>

(1) Re-inforcing Bars included with Bars &amp; Light Shapes.

(2) Hot Rolled Strip included with Hot Rolled Sheet &amp; Coil.

(3) Cold Rolled Strip included with Cold Rolled Sheet &amp; Coil.

## LUXEMBOURG

## TOTAL DELIVERIES OF STEEL PRODUCTS

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(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	463	468	337	750	961	1,005	1,191	1,231	898	908
Railway Track Material	185	179	181	170	199	200	200	169	106	124
Structurals and Bar Mill Products:										
Heavy Structural	819	806	930	958	928	1,038	1,050	931	825	832
Bars & Light Shapes	504	412	410	461	452	423	287	391	316	353
Re-inforcing Bars	520	512	378	401	457	434	366	319	352	399
Total	1,843	1,730	1,718	1,820	1,837	1,895	1,703	1,641	1,493	1,584
Wire Rods	291	302	326	289	325	348	311	268	290	325
Hot Rolled Strip	761	784	781	715	698	727	574	464	465	338
Plates	194	169	195	161	186	186	208	180	179	1
Sheet and Coil:										
Hot Rolled Sheet & Coil	0	0	0	0	0	0	0	0	0	264
Cold Rolled Sheet & Coil	192	218	223	220	220	203	185	166	154	150
Electrical Sheet	0	0	0	0	0	0	0	0	0	0
Galvanised Sheet	47	50	60	50	56	61	65	72	67	24
Other Coated Sheet	0	0	0	0	0	0	0	0	43	59
Total	239	268	283	270	276	264	250	238	264	497
Tinplate & Black Plate	0	0	0	0	0	0	0	0	0	0
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	22
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
TOTAL CARBON STEELS	3,976	3,900	3,821	4,175	4,482	4,625	4,437	4,191	3,695	3,799
Special Steel Grades (all products)	110	164	148	192	179	147	51	51	51	44
TOTAL STEEL PRODUCTS	4,086	4,064	3,969	4,367	4,661	4,772	4,488	4,242	3,746	3,843



## NETHERLANDS

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	9	8	14	42	18	0	0	0	0	0
Ingot & Semis for sale	985	1,249	828	1,036	1,235	1,281	1,408	855	1,090	1,706
Railway Track Material	0	0	0	0	0	0	0	0	0	0
<b>Structurals and Bar Mill Products:</b>										
Heavy Structurals	0	0	0	0	0	0	0	0	0	0
Bars & Light Shapes	0	0	0	0	0	0	0	0	0	0
Re-inforcing Bars	278	228	292	302	316	253	234	180	215	226
Total	278	228	292	302	316	253	234	180	215	226
Wire Rods	348	342	302	313	337	362	302	269	236	234
Hot Rolled Strip	129	182	171	222	288	232	237	203	230	230
Plates	512	449	509	539	564	463	515	459	407	450
<b>Sheet and Coil:</b>										
Hot Rolled Sheet & Coil	340	326	480	449	471	314	426	430	398	538
Cold Rolled Sheet & Coil	1,081	1,258	1,189	1,364	1,263	1,065	1,090	967	966	981
Electrical Sheet	0	0	0	0	0	0	0	0	0	0
Galvanised Sheet	0	0	0	0	0	0	0	0	0	0
Other Coated Sheet	0	0	0	0	0	0	0	0	0	0
Total	1,421	1,584	1,669	1,813	1,734	1,379	1,516	1,397	1,364	1,519
Tinplate & Black Plate	382	452	464	462	498	504	513	516	525	566
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
<b>TOTAL CARBON STEELS</b>	<b>4,064</b>	<b>4,494</b>	<b>4,249</b>	<b>4,729</b>	<b>4,990</b>	<b>4,474</b>	<b>4,725</b>	<b>3,879</b>	<b>4,067</b>	<b>4,931</b>
Special Steel Grades (all products)	0	0	0	0	0	0	0	0	0	0
<b>TOTAL STEEL PRODUCTS</b>	<b>4,064</b>	<b>4,494</b>	<b>4,249</b>	<b>4,729</b>	<b>4,990</b>	<b>4,474</b>	<b>4,725</b>	<b>3,879</b>	<b>4,067</b>	<b>4,931</b>

Production, not deliveries.

## PORTUGAL

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	0	0	0	0	0	0	2	2	13	3
Railway Track Material	0	0	0	0	0	0	3	8	3	0
Structurals and Bar Mill Products:										
Heavy Structural	0	0	0	0	0	0	25	27	16	19
Bars & Light Shapes	0	0	0	0	0	0	91	103	74	85
Re-inforcing Bars	0	0	0	0	0	0	382	399	331	312
Total	0	0	0	0	0	0	498	529	421	416
Wire Rods	0	0	0	0	0	0	90	86	126	145
Hot Rolled Strip	0	0	0	0	0	0	0	0	0	0
Plates	0	0	0	0	0	0	0	0	0	0
Sheet and Coil:										
Hot Rolled Sheet & Coil	0	0	0	0	0	0	0	0	0	0
Cold Rolled Sheet & Coil	0	0	0	0	0	0	61	58	54	56
Electrical Sheet	0	0	0	0	0	0	0	0	0	0
Galvanised Sheet	0	0	0	0	0	0	36	36	36	62
Other Coated Sheet	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	97	94	90	118
Tinplate & Black Plate	0	0	0	0	0	0	54	65	62	69
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
TOTAL CARBON STEELS	0	0	0	0	0	0	744	784	715	751
Special Steel Grades (all products)	0	0	0	0	0	0	0	0	0	0
TOTAL STEEL PRODUCTS	0	0	0	0	0	0	744	784	715	751

Comparable data not available for years before 1981.

## SOUTH AFRICA

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	42	31	24	40	36	34	29	30	20	0
Ingots & Semis for sale	109	262	537	157	164	180	66	400	216	0
Railway Track Material	346	325	215	221	277	295	288	254	188	0
Structurals and Bar Mill Products:										
Heavy Structurals	645	628	628	699	740	838	847	701	545	0
Bars & Light Shapes	409	395	422	616	672	824	746	689	566	0
Re-inforcing Bars	452	372	393	461	630	501	569	471	501	0
Total	1,506	1,395	1,443	1,776	2,042	2,163	2,162	1,861	1,612	0
Wire Rods	178	414	518	625	627	673	622	629	532	0
Hot Rolled Strip	189	45	42	43	41	38	33	32	14	0
Plates	773	697	736	1,015	786	1,051	1,030	1,026	583	0
Sheet and Coil:										
Hot Rolled Sheet & Coil	500	541	594	726	1,119	1,051	1,041	939	1,100	0
Cold Rolled Sheet & Coil	307	413	416	450	629	676	679	601	667	0
Electrical Sheet	0	0	0	0	0	0	0	0	0	0
Galvanised Sheet	299	341	445	378	504	465	473	524	575	0
Other Coated Sheet	1	6	19	13	0	7	7	10	0	0
Total	1,107	1,301	1,474	1,567	2,252	2,199	2,200	2,074	2,342	0
Tinplate & Black Plate	202	318	252	249	287	312	307	271	281	0
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	151	137	0	0	0	0	0	0	0	0
Cold Rolled Strip	16	16	12	12	11	17	12	9	11	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
<b>TOTAL CARBON STEELS</b>	<b>4,619</b>	<b>4,941</b>	<b>5,253</b>	<b>5,705</b>	<b>6,523</b>	<b>6,962</b>	<b>6,749</b>	<b>6,586</b>	<b>5,799</b>	<b>0</b>
Special Steel Grades (all products)	60	73	112	175	70	147	112	99	52	0
<b>TOTAL STEEL PRODUCTS</b>	<b>4,679</b>	<b>5,014</b>	<b>5,365</b>	<b>5,880</b>	<b>6,593</b>	<b>7,109</b>	<b>6,861</b>	<b>6,685</b>	<b>5,851</b>	<b>0</b>

## SPAIN

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	235	223	145	274	339	398	406	443	385	530
Ingots & Semis for sale	210	242	166	160	342	632	612	786	802	683
Railway Track Material	94	73	103	92	82	89	118	98	97	85
<b>Structurals and Bar Mill Products:</b>										
Heavy Structurals	1,074	1,083	1,283	1,362	1,187	1,409	1,563	1,348	1,423	1,393
Bars & Light Shapes	1,306	1,476	1,423	1,468	1,587	1,633	1,545	1,452	1,528	1,609
Re-inforcing Bars	1,089	1,276	1,281	1,408	1,818	1,847	2,177	2,226	2,201	2,869
Total	3,469	3,835	3,987	4,238	4,592	4,889	5,285	5,026	5,152	5,871
Wire Rods	451	578	676	655	626	553	525	662	723	968
Hot Rolled Strip	225	306	257	251	288	278	204	216	223	250
Plates	1,353	1,170	1,050	1,007	929	1,027	1,012	749	608	639
<b>Sheet and Coil:</b>										
Hot Rolled Sheet & Coil	859	1,275	1,104	1,584	1,059	744	769	407	800	992
Cold Rolled Sheet & Coil	1,021	1,094	1,151	1,167	1,187	1,082	1,092	1,213	1,263	1,197
Electrical Sheet	40	40	38	32	40	48	26	25	20	31
Galvanised Sheet	174	261	257	331	279	282	328	347	374	405
Other Coated Sheet	6	15	16	24	26	24	9	9	11	10
Total	2,100	2,685	2,566	3,138	2,591	2,180	2,224	2,001	2,468	2,635
Tinplate & Black Plate	214	237	298	286	337	346	402	436	434	528
Wheels & Axles (rolled & forged)	21	18	19	22	19	26	31	25	19	17
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
<b>TOTAL CARBON STEELS</b>	<b>8,372</b>	<b>9,367</b>	<b>9,267</b>	<b>10,123</b>	<b>10,145</b>	<b>10,418</b>	<b>10,819</b>	<b>10,442</b>	<b>10,911</b>	<b>12,206</b>
Special Steel Grades (all products) (1)	0	0	0	0	0	0	0	0	0	0
<b>TOTAL STEEL PRODUCTS</b>	<b>8,372</b>	<b>9,367</b>	<b>9,267</b>	<b>10,123</b>	<b>10,145</b>	<b>10,418</b>	<b>10,819</b>	<b>10,442</b>	<b>10,911</b>	<b>12,206</b>

(1) Included above.

## UNITED KINGDOM

## TOTAL DELIVERIES OF STEEL PRODUCTS

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(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
CARBON STEEL GRADES:										
Semis for Seamless Tubes	4	1	0	6	3	2	11	1	0	0
Ingots & Semis for sale	479	460	590	500	630	388	379	497	615	483
Railway Track Material	324	233	252	240	259	161	227	221	261	232
Structurals and Bar Mill Products:										
Heavy Structural (1)	1,712	1,692	1,714	1,676	1,831	1,211	1,777	1,566	1,538	1,423
Bars & Light Shapes	1,761	1,778	1,619	1,650	1,503	1,102	956	809	794	803
Re-inforcing Bars	806	974	939	1,041	1,102	781	807	723	824	811
Total	4,279	4,444	4,272	4,367	4,436	3,094	3,540	3,098	3,156	3,037
Wire Rods	1,079	1,147	1,252	1,278	1,452	839	958	795	857	956
Hot Rolled Strip	345	429	395	351	345	174	167	171	179	215
Plates	2,070	2,005	2,036	2,025	2,220	1,237	1,582	1,490	2,368	1,480
Sheet and Coil: (2)										
Hot Rolled Sheet & Coil	154	197	198	202	223	151	249	171	2,002	2,354
Cold Rolled Sheet & Coil	1,276	1,619	1,583	1,533	1,435	617	1,109	980	0	0
Electrical Sheet	203	242	239	227	198	78	107	120	0	0
Galvanised Sheet	250	382	347	403	513	381	595	563	0	0
Other Coated Sheet	175	249	251	281	353	99	141	183	0	0
Total	2,058	2,689	2,618	2,646	2,722	1,326	2,201	2,017	2,002	2,354
Tinplate & Black Plate	992	1,127	1,166	1,110	1,152	624	862	910	685	967
Wheels & Axles (rolled & forged)	75	61	47	46	48	43	47	39	24	12
Steel Tubes and Fittings	1,292	1,209	1,133	1,193	1,200	820	1,004	1,085	791	1,222
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	350	443	430	422	405	291	285	278	210	287
Cold Drawn Bars	443	471	478	449	423	304	288	257	255	304
TOTAL CARBON STEELS	13,790	14,719	14,669	14,633	15,295	9,303	11,551	10,859	11,403	11,549
Special Steel Grades (all products)	1,080	1,131	1,153	1,196	1,343	898	971	966	894	969
TOTAL STEEL PRODUCTS	14,870	15,850	15,822	15,829	16,638	10,201	12,522	11,825	12,297	12,518

(1) Includes Heavy Bars.

(2) From 1983, no further breakdown available.

## UNITED STATES

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingot & Semis for sale	1,323	1,239	1,059	1,298	1,391	1,676	1,533	473	480	743
Railway Track Material	1,441	1,555	1,388	1,194	1,438	1,269	1,075	595	683	974
Structurals and Bar Mill Products:										
Heavy Structurals	4,108	3,335	3,494	3,945	4,309	3,993	3,810	2,661	2,663	3,150
Bars & Light Shapes	5,367	5,763	6,391	6,685	6,607	4,476	4,796	3,083	4,275	4,702
Re-inforcing Bars	3,319	3,511	3,785	4,219	4,745	4,184	3,866	3,139	3,700	3,885
Total	12,794	12,609	13,670	14,849	15,661	12,653	12,472	8,883	10,638	11,737
Wire Rods	1,131	1,672	1,576	2,232	2,491	2,359	2,679	2,096	2,526	2,709
Hot Rolled Strip	806	1,016	900	829	772	526	512	391	488	498
Plates	6,322	5,086	5,315	5,929	6,123	5,618	5,201	2,746	2,525	2,863
Sheet and Coil:										
Hot Rolled Sheet & Coil	9,775	13,117	12,371	12,703	13,044	9,783	10,833	7,327	9,488	10,781
Cold Rolled Sheet & Coil	11,400	16,148	15,553	15,512	14,955	11,470	12,375	9,521	11,690	11,660
Electrical Sheet	76	73	79	91	102	103	74	31	48	43
Galvanised Sheet	3,373	4,698	5,129	5,773	5,670	4,650	5,218	4,599	5,513	5,853
Other Coated Sheet	504	766	837	897	877	650	736	624	851	1,038
Total	25,128	34,802	33,969	34,976	34,648	26,656	29,236	22,102	27,590	29,375
Tinplate & Black Plate	5,159	5,839	5,790	5,490	5,679	5,138	4,434	3,889	3,878	3,787
Wheels & Axles (rolled & forged)	339	272	299	315	352	314	187	95	64	85
Steel Tubes and Fittings	6,143	4,611	5,519	5,892	5,948	6,528	7,029	3,459	2,482	3,292
Drawn Wire (1)	1,918	2,187	2,131	2,211	2,152	1,558	1,481	1,177	1,203	1,078
Cold Rolled Strip	609	763	788	831	802	599	683	494	604	654
Cold Drawn Bars	1,082	1,214	1,321	1,522	1,634	1,128	1,168	725	841	1,029
TOTAL CARBON STEELS	64,195	72,865	73,725	77,568	79,091	66,022	67,690	47,125	54,002	58,824
Special Steel Grades (all products)	8,340	8,280	8,962	10,573	11,145	9,445	10,563	6,720	6,643	8,062
TOTAL STEEL PRODUCTS	72,535	81,145	82,687	88,141	90,236	75,467	78,253	53,845	60,645	66,886

(1) Includes Wire Products.

TABLE 7

WORLD STEEL TRADE AS A PERCENTAGE OF WORLD STEEL PRODUCTION

=====

Crude Steel Equivalent  
(million metric tons)

Year	Exports	Production	Exports Percent
1970	117.5	595.4	19.7
1971	125.5	582.6	21.5
1972	133.0	630.7	21.1
1973	147.5	697.1	21.2
1974	170.0	703.5	24.2
1975	148.5	643.4	23.1
1976	164.1	675.5	24.3
1977	165.3	675.5	24.5
1978	180.1	716.8	25.1
1979	185.2	746.4	24.8
1980	182.5	716.1	25.5
1981	185.2	707.5	26.2
1982	175.0	645.2	27.1
1983	187.6	663.4	28.3
1984	205.6	710.0	29.0

Ingot Equivalent  
(million metric tons)

Year	Exports	Production	Exports Percent
1970	117.5	599.8	19.6
1971	125.5	588.2	21.3
1972	133.0	638.8	20.8
1973	147.5	708.0	20.8
1974	170.0	716.9	23.7
1975	148.5	658.4	22.6
1976	164.1	693.7	23.7
1977	165.3	696.9	23.7
1978	180.1	742.6	24.3
1979	185.2	776.6	23.9
1980	182.5	750.3	24.3
1981	185.2	745.5	24.8
1982	175.0	685.4	25.5
1983	187.6	708.3	26.5
1984	205.6	762.1	27.0

In both of these tables, total exports of semi-finished and finished steel products were multiplied by 1.3 to obtain the value for exports shown in the left-hand column. In the upper table, the resulting figures are shown as percentages of crude steel production. However, the conversion of exports by a constant 1.3 makes no allowance for yield improvements; so in the lower table the estimated crude steel savings due to continuous casting are added back to crude steel production, to give ingot equivalent. The resulting export percentages, though still only approximate, are more realistic than those shown in the upper table.

TABLE 8

## EXPORTS OF SEMI-FINISHED &amp; FINISHED STEEL PRODUCTS

=====

thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Belgium/Luxembourg	12,620	12,712	12,189	13,422	14,432	13,778	12,759	10,841	11,350	12,690
Denmark	284	332	470	547	676	646	586	475	799	640
France	8,559	8,547	10,135	10,921	11,073	11,310	11,416	9,393	9,529	11,187
FR of Germany	16,196	14,990	15,379	18,363	19,221	18,990	19,102	16,857	15,680	18,272
Greece	334	354	224	461	482	522	377	361	488	511
Ireland	33	33	31	58	26	37	36	56	115	144
Italy	6,301	6,051	6,740	8,271	6,895	6,771	8,234	6,991	7,367	7,779
Netherlands	4,007	4,423	4,102	4,582	4,957	4,569	4,908	4,004	4,230	5,105
United Kingdom	3,170	3,672	4,399	4,376	4,551	2,753	4,123	3,519	4,083	4,138
<b>EC Total</b>	<b>51,504</b>	<b>51,114</b>	<b>53,669</b>	<b>61,001</b>	<b>62,313</b>	<b>59,376</b>	<b>61,541</b>	<b>52,497</b>	<b>53,641</b>	<b>60,466</b>
Austria	1,965	2,029	2,019	2,182	2,506	2,371	2,702	2,455	2,706	3,193
Finland	547	539	959	1,187	1,161	954	924	872	1,059	1,143
Norway	587	628	484	591	735	653	669	574	705	733
Portugal	26	71	28	33	100	71	20	32	135	231
Spain	1,569	2,443	2,678	4,106	4,234	4,533	5,021	5,127	5,704	6,593
Sweden	1,680	1,682	1,887	2,228	2,365	2,125	2,011	2,230	2,325	2,826
Switzerland	242	183	214	472	594	568	566	594	894	931
Turkey	15	24	10	20	6	14	125	174	1,056	1,393
Yugoslavia	334	472	285	336	302	210	264	371	553	550 E
<b>Other Western Europe</b>	<b>6,965</b>	<b>8,071</b>	<b>8,564</b>	<b>11,155</b>	<b>12,003</b>	<b>11,499</b>	<b>12,302</b>	<b>12,429</b>	<b>15,137</b>	<b>17,593</b>
<b>Total Western Europe</b>	<b>58,469</b>	<b>59,185</b>	<b>62,233</b>	<b>72,156</b>	<b>74,316</b>	<b>70,875</b>	<b>73,843</b>	<b>64,926</b>	<b>68,778</b>	<b>78,059</b>
Canada	1,299	1,816	2,142	2,763	2,680	3,534	3,575	3,193	2,976	3,459
United States	2,825	2,517	1,906	2,300	2,650	3,763	2,682	1,696	1,097	901
Japan	28,926	36,009	33,400	30,856	30,659	29,693	28,456	28,641	30,875	31,929
Australia	2,142	2,361	2,483	2,571	1,710	1,555	1,549	1,313	1,294	900
New Zealand	40	45	45	45	45	45	45	45	45	45 E
South Africa	324	1,085	2,117	2,215	2,214	1,693	1,630	1,985	1,739	1,708
<b>TOTAL INDUSTRIAL CTS.</b>	<b>94,025</b>	<b>103,018</b>	<b>104,326</b>	<b>112,906</b>	<b>114,274</b>	<b>111,158</b>	<b>111,780</b>	<b>101,799</b>	<b>106,804</b>	<b>117,001</b>
Argentina	41	337	265	783	541	338	608	789	677	565
Brazil	149	262	364	936	1,484	1,499	1,860	2,346	5,131	6,411
Chile	33	50	32	78	32	9	5	163	145	99
Colombia	5	3	0	6	5	9	4	0	0	5
Costa Rica	8	20	26	19	17	25	17	7	8	8
El Salvador	11	8	7	3	31	10	2	1	1	1
Guatemala	0	4	10	13	13	16	19	19	16	16
Honduras	1	1	2	0	3	3	1	2	1	1
Mexico	67	145	240	367	252	67	42	293	1,004	914
Peru	1	1	4	8	25	6	0	8	15	2
Venezuela	2	1	41	65	180	241	388	293	852	584
Others	0	4	16	21	20	9	8	97	139	192
<b>Total Latin America</b>	<b>318</b>	<b>836</b>	<b>1,007</b>	<b>2,299</b>	<b>2,603</b>	<b>2,232</b>	<b>2,954</b>	<b>4,018</b>	<b>7,989</b>	<b>8,798</b>



TABLE 8  
(continued)

## EXPORTS OF SEMI-FINISHED &amp; FINISHED STEEL PRODUCTS

=====

thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Zimbabwe	34	106	135	536	467	534	319	381	383	500 E
Total Africa	34	106	135	536	467	534	319	381	383	500
Israel	0	0	0	0	15	61	25	4	0	0
Jordan	0	0	0	0	6	5	5	7	0	0
Kuwait	75	177	178	62	79	70	210	210	150	150 E
Qatar	0	0	0	70	330	440	450	470	450	460
Total Middle East	75	177	178	132	430	576	690	691	600	610
Hong Kong	24	19	33	56	101	103	119	103	321	350 E
India	508	1,414	1,101	524	61	49	0	11	24	25 E
Indonesia	0	0	0	6	115	24	16	0	0	0
Republic of Korea	931	1,341	1,319	1,623	3,141	4,526	4,730	5,512	5,693	5,890
Malaysia	14	13	14	85	93	20	20	20	10	0 E
Philippines	2	18	17	53	85	121	6	1	0	0
Singapore	182	177	372	494	356	370	412	426	318	384
Taiwan (ROC)	241	276	312	882	1,514	769	1,193	1,848	2,090	1,750 E
Thailand	9	12	9	29	39	78	55	50	40	30 E
Total Asia	1,911	3,270	3,177	3,752	5,505	6,060	6,551	7,971	8,496	8,429
TOTAL DEVELOPING CTS.	2,338	4,389	4,497	6,719	9,005	9,402	10,514	13,061	17,468	18,337
TOTAL WESTERN WORLD	96,363	107,407	108,823	119,625	123,279	120,560	122,294	114,860	124,272	135,338
Bulgaria	793	1,114	1,049	1,079	922	1,050	1,073	933	879	1,040
Czechoslovakia	3,252	3,400	3,450	3,596	3,527	3,473	3,407	3,299	3,518	3,798
German Dem Rep	1,539	1,512	1,678	1,605	1,847	2,236	2,683	2,558	2,036	3,629
Hungary	1,060	1,255	1,295	1,139	1,417	1,220	1,112	1,021	1,135	1,431
Poland	1,485	1,579	1,794	1,923	1,988	1,936	1,667	1,639	2,336	2,301
Romania	1,477	2,100	1,640	2,239	1,948	1,984	2,083	1,901	2,175	2,778
USSR (E)	7,825	7,503	7,200	7,000	7,200	7,500	7,500	7,500	7,550	7,755
Total Eastern Europe	17,431	18,463	18,106	18,581	18,849	19,399	19,525	18,851	19,629	22,732
China	410	339	222	332	368	398	614	905	400	200 E
TOTAL CPE'S	17,841	18,802	18,328	18,913	19,217	19,797	20,139	19,756	20,029	22,932
WORLD TOTAL	114,204	126,209	127,151	138,538	142,496	140,357	142,433	134,616	144,301	158,270

TABLE 9

## IMPORTS OF SEMI-FINISHED &amp; FINISHED STEEL PRODUCTS

=====

thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Belgium/Luxembourg	2,509	3,347	3,164	3,046	3,086	3,056	2,777	2,771	3,256	3,536
Denmark	1,220	1,487	1,421	1,264	1,376	1,411	1,442	1,722	1,447	1,561
France	6,689	8,844	8,150	8,421	8,943	8,822	8,233	8,371	7,576	8,173
FR of Germany	8,874	11,022	11,064	11,903	12,439	11,427	11,288	10,215	11,461	11,109
Greece	666	715	734	946	1,206	1,171	1,095	982	1,447	1,620
Ireland	243	343	355	408	515	359	455	427	334	373
Italy	3,365	5,196	5,193	4,412	6,759	6,991	4,917	4,848	4,786	5,760
Netherlands	3,702	3,954	3,567	3,737	3,608	3,890	3,457	3,414	3,231	3,767
United Kingdom	3,774	4,135	3,768	3,742	3,859	4,707	3,403	3,932	3,429	3,646
EC Total	31,042	39,043	37,416	37,879	41,791	41,834	37,067	36,682	36,967	39,545
Austria	498	661	821	990	796	933	905	864	895	996
Finland	710	652	447	426	495	618	622	661	624	616
Norway	1,397	1,260	1,414	1,079	1,035	1,340	1,135	1,251	1,039	1,140
Portugal	497	589	768	761	421	640	624	979	501	642
Spain	1,342	2,704	1,096	764	1,074	1,681	1,138	1,374	1,039	1,133
Sweden	2,242	2,282	1,730	1,787	2,012	1,981	1,724	1,915	1,820	1,959
Switzerland	1,062	1,334	1,534	1,533	1,733	1,950	1,795	1,572	1,821	2,026
Turkey	1,661	1,479	2,189	1,099	543	708	874	905	1,415	2,205
Yugoslavia	2,291	1,579	1,961	1,989	2,022	1,971	2,040	1,552	1,526	1,500 E
Others	58	102	146	149	194	146	132	160	200	200 E
Other Western Europe	11,758	12,642	12,106	10,577	10,325	11,968	10,989	11,233	10,880	12,417
Total Western Europe	42,800	51,685	49,522	48,456	52,116	53,802	48,056	47,915	47,847	51,962
Canada	1,403	1,308	1,454	1,637	2,146	1,448	3,012	1,198	1,287	2,137
United States	10,767	12,642	17,163	18,755	15,891	13,747	17,729	15,164	15,202	23,441
Japan	108	159	222	361	1,468	1,165	1,557	2,011	2,744	4,003
Australia	925	1,400	1,079	553	418	523	800	900	600	700
New Zealand	541	548	564	457	643	439	468	550	500	500 E
South Africa	1,007	261	121	138	94	124	161	168	179	243
TOTAL INDUSTRIAL CTS.	57,551	68,003	70,125	70,357	72,776	71,248	71,783	67,906	68,359	82,986

TABLE 9  
(continued)

## IMPORTS OF SEMI-FINISHED &amp; FINISHED STEEL PRODUCTS

=====

thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Argentina	1,771	1,035	1,044	534	700	1,084	655	609	654	904
Bolivia	92	60	83	90	82	49	112	55	29	29
Brazil	2,889	1,059	927	733	595	664	897	420	85	102
Chile	54	49	30	57	32	90	67	41	25	26
Colombia	234	259	274	382	468	462	490	565	393	400
Costa Rica	84	130	160	155	149	143	95	60	84	103
Dominican Republic	106	95	110	92	79	85	64	129	67	82
Ecuador	190	205	291	241	356	284	290	272	121	120
El Salvador	62	61	97	82	65	48	46	37	26	31
Guatemala	68	121	140	174	154	170	136	105	49	59
Honduras	30	55	68	61	86	67	49	34	31	37
Mexico	696	470	489	1,262	1,504	2,623	3,052	1,217	429	701
Peru	276	118	121	83	55	144	330	158	49	116
Venezuela	1,311	1,579	2,514	1,966	1,241	918	854	932	259	170
Others *	194	185	249	296	221	289	231	424	284	329
<b>Total Latin America</b>	<b>8,057</b>	<b>5,481</b>	<b>6,597</b>	<b>6,208</b>	<b>5,787</b>	<b>7,120</b>	<b>7,368</b>	<b>5,058</b>	<b>2,585</b>	<b>3,209</b>
Algeria	965	812	1,181	1,518	1,238	1,429	1,464	1,327	1,026	957
Egypt	842	645	480	459	778	988	738	825	845	875
Kenya	94	206	222	270	206	186	128	92	157	168
Libyan Arab Republic	593	601	407	409	563	865	1,044	375	700	800
Morocco *	374	518	626	497	532	509	485	629	550	690
Nigeria	976	1,464	2,681	3,196	3,346	3,814	3,869	1,013	502	314
Tanzania	52	80	71	74	43	68	32	66	70	80
Tunisia	48	69	148	50	71	48	99	387	319	309
Zaire	75	41	60	39	47	60	51	52	50	74
Zambia	49	32	42	24	38	23	12	9	8	10
Zimbabwe	4	6	99	62	56	20	50	125	160	190
Other Africa *	593	766	1,063	797	845	900	950	850	750	786
<b>Total Africa</b>	<b>4,665</b>	<b>5,240</b>	<b>7,080</b>	<b>7,395</b>	<b>7,763</b>	<b>8,910</b>	<b>8,922</b>	<b>5,750</b>	<b>5,137</b>	<b>5,253</b>
Bahrain	56	82	80	30	33	47	47	78	111	95
Iran *	3,993	3,752	3,265	4,564	1,707	2,515	1,887	2,430	3,600	1,710
Iraq *	1,485	807	420	855	2,192	1,593	1,208	860	342	440
Israel	482	429	452	399	565	223	394	427	550	580
Jordan	90	204	232	185	398	268	368	325	325	300
Kuwait	302	692	690	580	725	644	803	900	900	970
Lebanon *	234	69	183	289	265	285	287	275	300	350
Oman			60	52	81	100	194	261	256	430
Qatar	65	108	54	63	70	58	101	108	100	75
Saudi Arabia	1,019	1,483	1,461	1,887	3,310	2,921	3,825	5,483	4,950	5,000
Syrian Arab Republic	328	712	582	584	839	918	434	153	200	350
Other *	700	1,200	950	600	1,000	900	1,200	1,800	2,500	1,600
<b>Total Middle East</b>	<b>8,754</b>	<b>9,538</b>	<b>8,429</b>	<b>10,088</b>	<b>11,185</b>	<b>10,472</b>	<b>10,748</b>	<b>13,100</b>	<b>14,134</b>	<b>11,900</b>

TABLE 9  
(continued)  
IMPORTS OF SEMI-FINISHED & FINISHED STEEL PRODUCTS  
=====

thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Bangladesh	82	90	200	181	223	232	177	165	116	110 E
Hong Kong *	500	871	1,023	1,404	1,460	1,645	1,710	1,825	1,821	1,900
India	581	392	562	1,137	2,495	1,937	3,013	2,385	1,955	1,950
Indonesia	1,040	1,123	1,159	1,415	2,065	2,274	2,196	2,274	2,440	2,040
Republic of Korea	1,677	1,665	2,158	2,908	2,583	1,947	1,972	1,316	2,128	2,957
Malaysia	528	602	644	796	979	1,354	1,283	1,620	1,700	1,850
Pakistan	405	368	531	454	654	551	1,110	1,115	1,290	1,300 E
Philippines	596	815	1,012	992	1,191	906	784	1,248	1,250	1,150
Singapore	1,207	1,016	1,033	1,237	1,318	1,597	1,974	2,256	2,429	1,874
Taiwan (ROC)	914	1,330	1,618	1,846	2,957	2,455	2,266	1,674	1,690	1,750
Thailand	568	897	1,053	1,211	1,352	1,348	1,342	1,483	1,888	1,800
Other *	1,250	1,450	1,640	1,650	1,825	1,950	1,850	2,000	3,000	2,500
Total Asia	9,348	10,619	12,633	15,231	19,102	18,196	19,677	19,361	21,707	21,181
TOTAL DEVELOPING CTS.	30,824	30,878	34,739	38,922	43,837	44,698	46,715	43,269	43,563	41,543
TOTAL WESTERN WORLD	88,375	98,881	104,864	109,279	116,613	115,946	118,498	111,175	111,922	124,529
Albania	88	86	114	88	97	143	80	121	120	120 E
Bulgaria	739	849	964	1,131	1,160	1,335	1,477	1,378	1,262	1,123
Czechoslovakia	570	894	521	657	624	356	356	366	530	751
German Dem Rep	4,015	4,086	4,170	4,219	4,253	4,273	4,506	4,585	4,750	4,459
Hungary	1,161	1,390	1,326	1,312	1,255	1,079	1,115	1,022	1,096	1,069
Poland	3,806	3,715	2,414	2,124	1,974	1,720	1,396	1,330	1,240	1,295
Romania	1,853	1,985	1,563	2,133	1,677	1,277	977	915	978	683
USSR (E)	6,832	7,776	6,078	7,732	8,158	7,752	7,740	8,313	10,355	10,911
Total Eastern Europe	19,064	20,781	17,150	19,396	19,198	17,935	17,647	18,030	20,331	20,411
Cuba (E)	579	531	500	475	500	500	550	450	475	540
China	4,007	4,931	5,256	8,638	8,473	5,006	3,544	3,772	8,467	10,074
Other Asian CPE's	192	237	274	440	191	194	172	137	127	130
TOTAL CPE'S	23,842	26,480	23,180	28,949	28,362	23,635	21,913	22,389	29,400	31,155
WORLD TOTAL	112,217	125,361	128,044	138,228	144,975	139,581	140,411	133,564	141,322	155,684

E - estimated

\* - based on declared exports

TABLE 10

## APPARENT CRUDE STEEL CONSUMPTION

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thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Belgium/Luxembourg	3,185	4,620	3,955	4,102	3,848	3,197	3,256	4,706	5,269	5,725 E
Denmark	1,814	2,273	1,814	1,884	1,833	1,759	1,770	2,270	1,334	1,745 E
France	19,261	23,545	20,363	19,530	21,137	20,048	17,545	17,246	15,037	15,160
FR of Germany	30,263	36,780	33,008	32,266	36,912	33,783	30,989	26,847	29,835	29,937
Greece	1,290	1,563	1,624	1,569	1,562	1,988	1,524	1,473	1,980	2,200 E
Ireland	363	477	479	431	724	428	588	560	430	460 E
Italy	17,778	21,758	20,798	18,822	22,668	26,107	19,743	20,409	18,158	20,673
Netherlands	4,533	5,063	4,463	4,942	4,323	4,633	3,869	3,703	3,400	4,250
United Kingdom	20,903	21,169	19,937	20,046	20,530	13,783	14,900	14,197	14,062	14,426
<b>EC Total</b>	<b>99,390</b>	<b>117,248</b>	<b>106,441</b>	<b>103,592</b>	<b>113,537</b>	<b>105,726</b>	<b>94,184</b>	<b>91,411</b>	<b>89,505</b>	<b>94,576</b>
Austria	2,153	2,704	2,521	2,716	2,696	2,706	2,260	2,112	1,986	1,943
Finland	2,043	1,842	1,547	1,327	1,594	2,125	2,051	2,153	1,844	2,168
Norway	2,062	1,789	1,636	1,510	1,412	1,821	1,525	1,730	1,338	1,513
Portugal	1,036	1,113	1,474	1,496	1,046	1,216	1,459	1,685	1,274	1,202
Spain	10,909	10,983	9,052	6,908	7,944	8,931	8,049	8,777	9,343	6,599
Sweden	6,328	5,960	3,824	3,872	4,380	4,139	3,430	3,523	3,493	3,661
Switzerland	1,482	2,014	2,254	2,005	2,382	2,734	2,568	2,114	2,035	2,254
Turkey	3,078	3,701	4,720	3,501	3,057	3,295	3,345	3,977	4,154	5,200 E
Yugoslavia	5,301	4,063	5,185	5,399	5,541	5,684	5,030	5,225	5,269	5,325 E
Others	128	230	192	192	250	195	172	210	260	260
<b>Other Western Europe</b>	<b>34,520</b>	<b>34,399</b>	<b>32,405</b>	<b>28,926</b>	<b>30,302</b>	<b>32,846</b>	<b>29,889</b>	<b>31,506</b>	<b>30,996</b>	<b>30,125</b>
<b>Total Western Europe</b>	<b>133,910</b>	<b>151,647</b>	<b>138,846</b>	<b>132,518</b>	<b>143,839</b>	<b>138,572</b>	<b>124,073</b>	<b>122,917</b>	<b>120,501</b>	<b>124,701</b>
Canada	13,178	12,570	12,828	13,524	15,037	12,939	14,100	8,800	11,400	13,750 E
United States	116,821	129,953	133,923	146,445	140,906	115,591	129,730	84,275	94,529	113,278
Japan	68,080	65,220	63,205	66,652	78,163	79,007	71,136	69,504	65,614	74,367
Australia	6,287	6,545	5,513	4,973	6,440	6,250	6,400	5,430	4,550	5,820 E
New Zealand	836	876	893	761	1,009	740	770	910	825	875 E
South Africa	7,506	6,066	4,700	5,200	6,120	7,025	7,095	5,840	5,070	5,750 E
<b>TOTAL INDUSTRIAL CTS.</b>	<b>346,618</b>	<b>372,877</b>	<b>359,908</b>	<b>370,073</b>	<b>391,514</b>	<b>360,124</b>	<b>353,304</b>	<b>297,676</b>	<b>302,489</b>	<b>338,541</b>

TABLE 10  
(continued)

## APPARENT CRUDE STEEL CONSUMPTION

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thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Argentina	4,287	3,314	3,645	2,444	3,401	3,610	2,635	2,750	2,885	3,050 E
Bolivia	120	78	108	117	107	64	146	72	38	38
Brazil	11,241	10,715	11,876	11,948	12,720	14,202	12,020	10,490	8,090	10,150 E
Chile	565	508	524	668	657	590	570	325	470	595
Colombia	862	728	769	901	972	1,023	1,157	1,080	1,200	1,200 E
Costa Rica	99	143	174	177	172	153	101	69	99	124
Dominican Republic	138	124	143	120	103	111	83	168	87	107
Ecuador	247	267	378	313	463	385	403	381	180	173
El Salvador	66	69	117	103	44	49	57	47	33	39
Guatemala	88	152	169	209	183	200	152	112	43	56
Honduras	38	70	86	79	108	83	62	42	39	47
Mexico	6,090	5,720	5,925	9,995	8,745	11,412	12,511	8,586	6,203	7,200 E
Peru	790	500	535	480	450	635	790	470	350	500 E
Trinidad & Tobago	1	3	3	3	5	5	5	5	5	5 E
Venezuela	2,800	3,007	4,065	3,330	2,850	2,850	2,800	2,850	1,900	2,600 E
Others	278	264	384	429	375	482	454	719	505	493 E
<b>Total Latin America</b>	<b>27,710</b>	<b>25,662</b>	<b>28,901</b>	<b>31,316</b>	<b>31,355</b>	<b>35,854</b>	<b>33,946</b>	<b>28,166</b>	<b>22,127</b>	<b>26,377</b>
Algeria	1,404	1,412	1,945	2,353	1,851	2,242	2,425	2,275	2,034	1,944 E
Egypt	1,595	1,419	1,284	1,262	1,741	2,194	1,879	2,048	1,984	1,988 E
Kenya	122	268	289	351	268	242	166	120	204	218
Libyan Arab Republic	783	784	529	532	732	1,125	1,357	488	910	1,040 E
Morocco	488	723	806	646	692	662	631	818	715	897
Nigeria	1,280	1,920	3,500	4,170	4,365	4,978	5,052	1,407	835	595
Tanzania	68	104	92	96	56	88	42	86	91	104
Tunisia	190	193	348	225	270	240	300	610	578	571
Zaire	98	53	78	51	61	78	66	68	65	96
Zambia	64	42	55	31	49	30	16	12	10	13
Zimbabwe	485	603	687	162	206	137	341	205	357	200
Other Africa	831	1,056	1,442	1,096	1,164	1,240	1,305	1,175	1,050	1,097
<b>Total Africa</b>	<b>7,408</b>	<b>8,577</b>	<b>11,055</b>	<b>10,975</b>	<b>11,455</b>	<b>13,256</b>	<b>13,580</b>	<b>9,312</b>	<b>8,833</b>	<b>8,763</b>
Bahrain	73	107	104	30	43	61	61	101	144	124
Iran	5,742	5,427	6,070	7,233	3,649	4,470	3,653	4,359	5,880	3,423
Iraq	1,931	1,049	546	1,112	2,850	2,071	1,570	1,118	445	572
Israel	690	628	660	613	822	326	594	637	798	846
Jordan	117	265	302	241	510	342	472	413	423	390
Kuwait	295	670	666	673	840	746	771	897	975	1,066
Lebanon	304	90	238	376	345	371	373	358	390	455
Oman	75	75	78	68	105	130	252	339	333	559
Qatar	85	140	70	90	110	100	125	130	125	125
Saudi Arabia	1,325	1,928	1,899	2,453	4,303	3,797	4,973	7,128	7,875	8,350
Syrian Arab Republic	426	926	757	759	1,091	1,193	564	199	260	455
Other	980	1,625	1,286	835	1,470	1,340	1,740	2,540	3,450	2,280
<b>Total Middle East</b>	<b>12,043</b>	<b>12,930</b>	<b>12,676</b>	<b>14,483</b>	<b>16,138</b>	<b>14,947</b>	<b>15,148</b>	<b>18,219</b>	<b>21,098</b>	<b>18,645</b>

TABLE 10  
(continued)

## APPARENT CRUDE STEEL CONSUMPTION

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thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Bangladesh	183	207	368	355	415	433	364	293	209	231
Hong Kong	739	1,228	1,407	1,872	1,887	2,125	2,188	2,359	2,070	2,135
India	8,086	8,035	9,308	10,896	13,290	11,968	14,697	14,083	12,747	13,052
Indonesia	1,452	1,599	1,757	2,057	2,840	3,285	3,334	3,456	3,972	3,652
Republic of Korea	2,964	3,932	5,437	6,640	6,885	5,205	7,480	7,620	8,890	10,830 E
Malaysia	851	956	1,013	1,605	1,907	1,944	1,852	2,290	2,547	2,755
Pakistan	537	497	690	590	850	716	1,443	1,450	1,677	1,690
Philippines	1,088	1,394	1,640	1,526	1,827	1,351	1,361	1,971	1,825	1,745
Singapore	1,527	1,242	1,014	1,235	1,610	1,888	2,294	2,738	3,049	2,299
Taiwan (ROC)	1,666	2,488	3,451	4,747	3,892	5,611	4,553	5,060	5,450	5,950 E
Thailand	983	1,424	1,675	1,902	2,144	1,975	1,839	2,213	2,752	2,651
Other	1,825	2,085	2,382	2,375	2,598	2,760	2,625	2,850	4,150	3,850
Total Asia	21,901	25,087	30,142	35,800	40,145	39,261	44,030	46,383	49,338	50,840
TOTAL DEVELOPING CTS.	69,062	72,256	82,774	92,574	99,093	103,318	106,704	102,080	101,396	104,625
TOTAL WESTERN WORLD	415,680	445,133	442,682	462,647	490,607	463,442	460,008	399,756	403,885	443,166
Albania	120	115	150	114	125	186	104	157	160	160 E
Bulgaria	2,197	2,069	2,431	2,443	2,695	2,792	2,829	3,009	3,156	2,898
Czechoslovakia	10,812	11,433	11,247	11,450	10,982	11,154	11,253	11,129	11,093	10,824
German Dem Rep	9,530	9,908	9,914	10,137	9,906	9,752	9,684	9,524	10,470	8,350 E
Hungary	3,806	3,432	3,655	4,029	3,621	3,533	3,609	3,692	3,511	3,226
Poland	17,833	18,310	18,737	19,654	19,316	19,293	15,427	14,430	14,866	15,344
Romania	9,831	10,492	10,954	11,531	12,432	12,115	11,441	11,615	10,862	11,523
USSR (E)	141,031	145,171	145,196	152,388	150,332	148,259	148,829	148,210	156,158	158,303
Total Eastern Europe	195,160	200,930	202,284	211,746	209,409	207,084	203,176	201,766	210,276	210,628
Cuba (E)	1,053	986	952	918	950	950	1,015	885	918	1,002
China	29,110	26,870	30,575	42,706	44,487	43,262	39,401	42,320	52,540	58,200 E
Other Asian CPE's (E)	3,150	3,308	4,356	5,652	5,648	6,052	5,724	5,978	6,262	6,669
TOTAL CPE'S	228,473	232,094	238,167	261,022	260,494	257,348	249,316	250,949	269,996	276,499
WORLD TOTAL	644,153	677,227	680,849	723,669	751,101	720,790	709,324	650,705	673,881	719,665

TABLE 11

## APPARENT CONSUMPTION PER HEAD

kilograms crude steel

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Belgium-Luxembourg	314	467	388	402	376	324	319	460	534	570
Denmark	358	448	356	369	358	344	346	443	261	333
FR Germany	486	593	538	526	602	549	503	436	486	489
France	385	445	383	367	395	373	325	318	276	276
Greece	143	171	176	167	167	207	157	150	203	215
Ireland	116	150	150	134	219	126	171	161	128	130
Italy	318	387	368	332	400	458	345	356	320	350
Netherlands	332	368	322	355	308	328	272	259	237	295
United Kingdom	374	378	357	359	368	247	267	254	249	256
Austria	286	359	335	362	359	360	301	281	263	257
Finland	434	390	326	279	335	445	427	447	379	444
Norway	514	444	405	372	347	445	372	421	324	365
Portugal	110	118	156	153	106	122	147	171	126	118
Spain	306	305	249	186	214	239	214	232	244	171
Sweden	773	725	463	468	528	497	412	423	419	439
Switzerland	231	314	356	317	376	429	397	327	321	345
Turkey	80	94	112	81	69	73	74	86	90	105
Yugoslavia	248	189	239	246	250	254	223	230	230	225
Canada	577	543	550	575	635	541	553	371	448	525
United States	547	604	618	672	640	508	565	363	404	480
Japan	608	577	554	579	673	675	603	586	549	619
Australia	453	467	389	346	401	416	479	367	318	390
New Zealand	271	282	286	244	288	222	246	306	264	270
South Africa	294	232	176	153	207	211	228	186	149	160
Argentina	168	129	140	93	127	133	114	84	120	125
Brazil	106	98	107	106	107	115	115	85	61	70
Chile	55	48	60	62	60	64	67	47	57	69
Colombia	28	30	31	35	37	38	32	35	35	34
Mexico	103	96	93	152	122	98	164	117	100	110
Peru	62	34	37	30	36	50	43	26	19	27
Venezuela	196	229	299	237	226	237	219	213	158	198
Algeria	84	71	110	132	110	130	140	130	115	108
Egypt	42	34	26	25	35	35	40	45	42	42
Libyan Arab Republic	101	30	88	130	131	139	142	50	90	100
Morocco	28	41	44	33	36	30	31	37	32	38
Nigeria	19	28	50	56	56	62	61	16	9	6
Tunisia	25	65	45	34	40	36	45	91	83	81
Iran	163	147	171	199	85	90	90	94	129	75
Iraq	181	94	60	89	214	150	120	78	30	37
Israel	221	195	195	166	222	105	161	159	154	155
Kuwait	297	626	558	558	651	547	527	510	341	375
Lebanon	101	30	88	130	131	139	142	136	110	123
Saudi Arabia	206	319	308	349	415	430	545	740	757	795
India	14	13	15	17	18	14	19	19	16	17
Republic of Korea	84	110	182	180	187	148	138	192	222	255
Malaysia	72	78	80	124	141	159	158	124	145	152
Bulgaria	252	236	276	277	305	312	319	337	346	323
Czechoslovakia	733	767	748	756	720	729	735	724	719	700
German Dem Rep	566	590	591	605	591	583	561	569	627	495
Hungary	361	324	343	377	338	330	337	344	328	302
Poland	524	533	540	561	545	542	429	398	407	416
Romania	464	489	506	528	563	544	509	514	479	509
USSR	554	566	565	587	570	565	560	555	575	575
China	38	32	38	46	47	45	39	41	50	52



TABLE 12

	SCRAP CONSUMPTION									
	=====									
	thousand metric tons									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Belgium	3,711	3,658	3,382	3,794	4,052	3,688	3,749	4,142	3,157	3,520
Denmark	575	775	782	969	906	811	688	626	584	651
France	7,536	8,132	7,513	8,181	8,111	7,936	7,294	6,419	6,259	6,473
FR Germany	20,407	21,104	20,196	21,191	21,766	20,322	19,624	17,544	17,864	18,606
Italy	13,629	14,843	15,086	16,236	16,264	17,985	16,147	15,371	14,389	15,610 E
Luxembourg	1,373	1,431	1,411	1,762	1,785	1,577	1,323	1,315	1,368	1,680 E
Netherlands	1,582	1,775	1,685	1,842	1,965	1,837	1,779	1,446	1,458	1,630
United Kingdom	16,028	16,973	15,685	15,524	15,368	9,296	10,363	9,617	9,514	9,557
EC Total	64,841	68,691	65,740	69,499	70,217	63,452	60,967	56,480	54,593	57,727
Austria	1,697	1,800	1,623	1,747	1,826	1,733	1,733	1,639	1,630	1,679
Finland	696	675	720	755	743	769	732	688	708	754
Norway	561	538	440	450	551	477	507	487	523	579
Portugal	245	199	359	445	492	512	435	420	400	375 E
Spain	7,250	7,039	7,358	7,916	7,222	9,048	9,011	9,111	9,793	10,350 E
Sweden	3,429	3,146	2,430	2,605	2,762	2,572	2,563	2,853	2,925	3,200 E
Turkey	650	659	650	750	650	650	800	1,224	1,575	1,825 E
Yugoslavia	1,708	1,585	1,743	2,040	2,061	2,075	2,108	2,037	2,208	2,250 E
Other Western Europe	16,236	15,641	15,323	16,708	16,307	17,836	17,889	18,459	19,762	21,012
Total Western Europe	81,077	84,332	81,063	86,207	86,524	81,288	78,856	74,939	74,355	78,739
Canada	6,753	6,469	6,970	7,822	8,296	8,523	7,469	5,680	6,319	7,500 E
United States	74,689	81,564	83,642	90,016	89,723	75,926	77,200	51,153	56,048	59,750 E
Japan	34,214	38,227	34,606	39,409	45,624	43,809	39,592	38,857	40,160	43,485
TOTAL INDUSTRIAL CTS.	196,733	210,592	206,281	223,454	230,167	209,546	203,117	170,629	176,882	189,474
Czechoslovakia	7,154	7,337	7,453	7,414	7,655	8,523	7,479	7,426	7,861	7,579
German Dem Rep	4,402	4,642	4,291	4,572	5,030	5,292	5,276	5,125	5,155	5,243
Hungary	2,170	2,195	2,238	2,328	2,354	2,293	2,200	2,219	2,218	2,454
Poland	8,750	9,233	10,054	11,356	10,521	10,720	8,707	8,149	8,887	8,736
USSR (in OH,BOF only)	52,799	55,196	55,406	57,609	56,336	55,930	50,952	54,020	56,846	57,757
Total Eastern Europe	75,275	78,603	79,442	83,279	81,896	82,758	74,614	76,939	80,967	81,769
WORLD TOTAL	272,008	289,195	285,723	306,733	312,063	292,304	277,731	247,568	257,849	271,243

TABLE 13

## SCRAP EXPORTS

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thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Belgium/Luxembourg	532	527	501	531	550	537	578	498	682	774
Denmark	91	116	57	81	91	100	185	118	175	234
France	2,810	3,422	3,358	3,663	3,526	3,312	3,184	3,082	3,227	4,105
FR of Germany	2,205	2,597	2,481	2,765	2,998	3,077	3,407	2,867	297	3,268
Greece	0	0	1	0	0	0	1	1	1	1
Ireland	8	8	8	54	72	84	73	59	21	43
Italy	5	24	11	7	13	8	23	17	18	19
Netherlands	936	957	926	1,189	1,142	1,194	1,252	1,179	152	1,679
United Kingdom	916	599	938	1,565	1,338	2,805	3,367	3,073	3,794	4,316
EC Total	7,503	8,250	8,281	9,855	9,730	11,117	12,070	10,894	12,417	14,439
Austria	20	45	8	8	15	13	12	9	13	20
Finland	5	4	3	1	3	0	0	0	0	10
Norway	19	18	13	36	42	38	32	32	36	21
Portugal	2	3	4	10	5	5	5	9	10	0
Spain	1	0	0	1	0	1	1	1	1	4
Sweden	11	9	75	78	17	14	14	18	21	22
Switzerland	117	71	62	88	100	64	128	105	149	107
Turkey	0	0	0	0	0	0	0	0	0	3
Yugoslavia	22	20	42	79	47	45	69	63	70	150 E
Other Western Europe	197	170	207	301	229	180	261	237	300	337
Total Western Europe	7,700	8,420	8,488	10,156	9,959	11,297	12,331	11,131	12,717	14,776
Canada	420	1,013	697	874	1,033	785	573	628	875	876
United States	8,717	7,367	5,602	8,199	10,028	10,132	5,820	6,172	6,822	8,617
Japan	95	203	211	164	151	159	187	174	116	147
Australia	734	632	550	486	576	708	498	554	600	600 E
TOTAL INDUSTRIAL CTS.	17,666	17,635	15,548	19,879	21,747	23,081	19,409	18,659	21,130	25,016
Hong Kong	155	173	227	286	344	330	364	297	320	300 E
India (E from 1978)	104	157	209	20	5	5	5	5	5	5 E
Indonesia	2	0	0	6	0	1	0	0	0	0 E
Republic of Korea	0	19	1	8	13	10	25	182	299	300 E
Malaysia	4	16	5	5	5	5	0	0	0	0 E
Philippines	0	0	0	3	3	2	1	2	2	2 E
Singapore	2	3	7	4	2	5	2	8	10	10 E
Taiwan (ROC)	32	63	35	156	72	13	128	402	280	280 E
Thailand	0	3	0	0	0	0	0	0	0	0 E
TOTAL DEVELOPING CTS.	299	434	484	488	444	371	525	896	916	897
TOTAL WESTERN WORLD	17,965	18,069	16,032	20,367	22,191	23,452	19,934	19,555	22,046	25,913
Bulgaria	122	135	61	167	130	155	79	57	38	48
German Dem Rep	1	0	1	0	0	0	0	0	0	0
Hungary	31	37	71	42	37	31	32	53	50	79
Poland	284	92	1	0	0	0	0	0	0	0
USSR (E: 1977, 78, 83, 84)	1,139	1,837	1,800	1,800	1,988	2,505	2,681	2,895	2,900	3,000
Total Eastern Europe	1,577	2,101	1,934	2,009	2,155	2,691	2,792	3,005	2,988	3,127
WORLD TOTAL	19,542	20,170	17,966	22,376	24,346	26,143	22,726	22,560	25,034	29,040

TABLE 14

SCRAP IMPORTS  
=====

thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Belgium/Luxembourg	707	586	493	979	970	859	956	887	1,045	1,672
Denmark	3	7	13	263	284	217	180	88	67	132
France	277	274	287	394	422	456	347	276	307	407
FR of Germany	1,719	1,545	1,423	1,547	1,605	1,504	1,336	1,289	1,291	1,755
Greece	98	80	93	198	230	239	288	434	520	328
Ireland	4	1	2	9	5	8	4	2	70	88
Italy	5,413	6,272	5,825	6,566	6,891	7,410	5,540	5,571	4,446	5,486
Netherlands	160	161	114	165	123	154	238	221	364	478
United Kingdom	88	694	100	43	44	25	21	37	11	34
EC Total	8,469	9,620	8,350	10,164	10,574	10,872	8,910	8,805	8,121	10,380
Austria	2	45	80	115	135	143	170	381	219	363
Finland	95	54	63	22	89	106	62	51	37	33
Norway	54	71	18	10	7	53	24	4	15	13
Portugal	6	29	95	663	146	149	85	125	108	48
Spain	2,176	2,658	1,993	2,550	3,452	4,386	4,005	4,762	4,742	5,345
Sweden	338	137	33	118	130	76	247	529	450	839
Switzerland	97	44	58	87	179	137	113	107	147	273
Turkey	85	236	300	323	362	346	525	748	1,074	1,038
Yugoslavia	346	342	409	402	265	396	479	508	738	970 E
Other Western Europe	3,199	3,616	3,049	4,290	4,765	5,792	5,710	7,215	7,530	8,922
Total Western Europe	11,668	13,236	11,399	14,454	15,339	16,664	14,620	16,020	15,651	19,302
Canada	929	823	584	954	1,049	1,015	838	501	669	1,247
United States	277	460	567	720	690	506	571	430	581	524
Japan	3,093	1,802	1,440	3,229	3,346	2,986	1,791	2,025	3,906	4,018
TOTAL INDUSTRIAL CTS.	15,967	16,321	13,990	19,357	20,424	21,171	17,820	18,976	20,807	25,091
Mexico	793	526	356	0	0	0	0	0	0	0
Hong Kong	49	122	41	126	105	93	94	64	27	25 E
India	18	35	56	221	147	161	621	600	600	600 E
Indonesia	16	29	47	81	30	39	62	227	250	250 E
Republic of Korea	844	1,898	1,636	1,932	1,944	1,910	1,661	2,424	3,185	3,200 E
Malaysia	6	3	5	5	5	5	5	5	5	5 E
Philippines	61	106	62	79	95	9	9	25	25	25 E
Singapore	96	55	23	93	109	172	78	93	100	100 E
Taiwan (ROC)	408	297	571	622	761	1,232	881	651	736	740 E
Thailand	257	276	444	802	615	338	417	390	400	400 E
TOTAL DEVELOPING CTS.	2,548	3,347	3,241	3,961	3,811	3,959	3,828	4,479	5,328	5,345
TOTAL WESTERN WORLD	18,515	19,668	17,231	23,318	24,235	25,130	21,648	23,455	26,135	30,436
German Dem Rep	348	541	496	546	708	908	693	455	672	1,035
Hungary	1	9	2	3	6	4	144	14	28	20
Poland	2	47	34	9	6	227	53	5	5	7
Romania	0	0	0	8	10	56	0	0	0	0
Total Eastern Europe	351	597	532	566	730	1,195	890	474	705	1,062
WORLD TOTAL	18,866	20,265	17,763	23,884	24,965	26,325	22,538	23,929	26,840	31,498

TABLE 15

PIG IRON PRODUCTION  
-----  
thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Belgium	9,069	9,866	8,912	10,128	10,858	9,900	9,809	7,831	8,068	8,998
Denmark	0	0	0	0	0	0	0	0	0	0
France	17,494	18,659	17,884	18,100	18,964	18,677	16,961	14,715	13,500	14,709
FR of Germany	28,049	31,629	28,784	29,939	35,181	33,873	31,876	27,621	26,598	30,203
Greece	537	421	323	282	328	100	40	100	125	125 E
Ireland	0	0	0	0	0	0	0	0	0	0
Italy	11,411	11,630	11,411	11,340	11,327	12,149	12,259	11,537	10,313	11,631
Luxembourg	3,889	3,759	3,568	3,721	3,801	3,569	2,889	2,587	2,316	2,768
Netherlands	3,970	4,267	3,922	4,613	4,814	4,328	4,600	3,617	3,747	4,926
United Kingdom (1)	12,046	13,713	12,135	11,365	12,761	6,264	9,470	8,327	9,477	9,487
EC Total	86,465	93,944	86,939	89,488	98,034	88,860	87,904	76,335	74,144	82,847
Austria	3,056	3,320	2,965	3,077	3,702	3,485	3,477	3,115	3,320	3,745
Finland	1,368	1,329	1,764	1,858	2,038	2,019	1,965	1,944	1,898	2,044
Norway	638	647	548	556	651	618	570	484	596	572
Portugal	327	344	357	353	363	370	314	214	355	373
Spain	6,842	6,626	6,636	6,254	6,454	6,370	6,259	5,998	5,419	5,338
Sweden	3,309	2,952	2,330	2,363	2,905	2,377	1,770	1,779	2,011	2,214
Switzerland	35	23	27	35	30	33	33	10	10	54
Turkey	1,337	1,679	1,616	1,710	2,302	2,140	2,050	2,174	2,719	2,873
Yugoslavia	2,001	1,919	1,928	2,081	2,368	2,436	2,816	2,702	2,836	3,024
Other Western Europe	18,913	18,839	18,171	18,287	20,813	19,848	19,254	18,420	19,164	20,237
Total Western Europe	105,378	112,783	105,110	107,775	118,847	108,708	107,158	94,755	93,308	103,084
Canada	9,311	10,033	9,661	10,338	10,906	10,893	9,743	8,000	8,567	9,641
United States	72,506	78,808	73,780	79,541	78,929	62,343	66,742	39,281	44,208	47,025
Japan	86,877	86,576	85,886	78,589	83,825	87,041	80,048	77,655	72,936	80,403
Australia	7,513	7,308	6,733	7,280	7,759	6,976	6,740	5,953	5,062	5,328
New Zealand	0	0	0	0	0	0	0	0	0	0
South Africa	5,213	5,845	5,807	5,895	7,021	7,218	7,365	6,762	5,215	5,531
TOTAL INDUSTRIAL CTS.	286,798	301,353	286,977	289,418	307,287	283,179	277,796	232,406	229,296	251,012
Argentina	1,030	1,284	1,100	1,435	1,114	1,036	915	1,017	913	920
Brazil	7,053	8,170	9,380	10,043	11,594	12,685	10,791	10,827	12,945	17,217
Central America	0	0	0	0	0	0	0	0	0	0
Chile	418	403	433	539	612	647	592	453	539	594
Colombia	298	285	223	295	241	281	232	246	268	270
Ecuador	0	0	0	0	0	0	0	0	0	0
Mexico	2,048	2,331	2,999	3,509	3,486	3,639	3,767	3,598	3,537	3,869
Panama	0	0	0	0	0	0	0	0	0	0
Peru	286	232	241	244	266	262	177	162	113	0
Trinidad & Tobago	0	0	0	0	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0	0	0	0	0
Venezuela	546	421	352	413	509	497	420	202	169	325
Total Latin America	11,679	13,126	14,728	16,478	17,822	19,047	16,894	16,505	18,484	23,195

TABLE 15  
(continued)

PIG IRON PRODUCTION  
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	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Algeria	399	413	389	288	497	669	897	1,097	1,100	1,100 E
Egypt	508	569	665	660	749	1,005	917	1,067	990	939
Nigeria	0	0	0	0	0	0	0	0	0	0
Tunisia	148	112	136	138	155	153	158	97	147	150 E
Zimbabwe	553	861	654	690	650	786	643	478	584	700 E
Other Africa	12	15	20	20	20	20	20	20	20	20 E
<b>Total Africa</b>	<b>1,620</b>	<b>1,970</b>	<b>1,864</b>	<b>1,796</b>	<b>2,071</b>	<b>2,633</b>	<b>2,635</b>	<b>2,759</b>	<b>2,841</b>	<b>2,909</b>
Iran (E)	250	250	250	250	200	200	210	220	240	250 E
Israel	0	0	0	0	0	0	0	0	0	0
Qatar	0	0	0	0	0	0	0	0	0	0
Saudi Arabia	0	0	0	0	0	0	0	0	0	0
<b>Total Middle East</b>	<b>250</b>	<b>250</b>	<b>250</b>	<b>250</b>	<b>200</b>	<b>200</b>	<b>210</b>	<b>220</b>	<b>240</b>	<b>250</b>
Bangladesh	0	0	0	0	0	0	0	0	0	0
Hong Kong	0	0	0	0	0	0	0	0	0	0
India	8,437	9,776	9,803	9,269	8,767	8,509	9,474	9,640	9,162	9,464
Indonesia	0	0	0	0	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0	0	0	0	0
Philippines	0	0	0	0	0	0	0	0	0	0
Singapore	0	0	0	0	0	0	0	0	0	0
Republic of Korea	1,194	2,012	2,426	2,741	5,063	5,577	7,925	8,443	8,024	8,763
Taiwan (ROC)	117	105	623	1,417	1,760	1,724	1,611	2,695	3,415	3,360
Thailand	14	18	20	24	30	17	20	20	20	20 E
<b>Total Asia</b>	<b>9,762</b>	<b>11,911</b>	<b>12,872</b>	<b>13,451</b>	<b>15,620</b>	<b>15,827</b>	<b>19,030</b>	<b>20,798</b>	<b>20,621</b>	<b>21,607</b>
<b>TOTAL DEVELOPING CTS.</b>	<b>23,311</b>	<b>27,257</b>	<b>29,714</b>	<b>31,975</b>	<b>35,713</b>	<b>37,707</b>	<b>38,769</b>	<b>40,282</b>	<b>42,186</b>	<b>47,961</b>
<b>TOTAL WESTERN WORLD</b>	<b>310,109</b>	<b>328,610</b>	<b>316,691</b>	<b>321,393</b>	<b>343,000</b>	<b>320,886</b>	<b>316,565</b>	<b>272,688</b>	<b>271,482</b>	<b>298,973</b>
Bulgaria	1,509	1,552	1,614	1,493	1,451	1,539	1,515	1,562	1,626	1,583
Czechoslovakia	9,290	9,475	9,715	9,944	9,529	9,820	9,903	9,525	9,466	9,561
German Dem Rep	2,442	2,519	2,621	2,548	2,378	2,458	2,432	2,149	2,207	2,360
Hungary	2,219	2,221	2,320	2,330	2,385	2,214	2,212	2,201	2,059	2,096
Poland	7,604	7,912	9,517	11,109	10,966	11,378	8,870	8,107	9,472	9,537
Romania	6,602	7,416	7,781	8,155	8,879	9,102	8,857	8,637	8,184	9,557
USSR	101,959	104,400	106,500	110,000	108,300	107,282	107,766	106,723	110,453	110,800
<b>Total Eastern Europe</b>	<b>131,625</b>	<b>135,495</b>	<b>140,068</b>	<b>145,579</b>	<b>143,888</b>	<b>143,793</b>	<b>141,555</b>	<b>138,904</b>	<b>143,467</b>	<b>145,494</b>
China	24,490	22,330	25,050	34,790	36,730	38,024	34,166	35,510	37,380	40,000
DPR Korea (E)	2,900	3,000	4,000	5,000	5,000	5,400	5,000	5,250	5,500	5,750 E
<b>TOTAL CPE'S</b>	<b>159,015</b>	<b>160,825</b>	<b>169,118</b>	<b>185,369</b>	<b>185,618</b>	<b>187,217</b>	<b>180,721</b>	<b>179,664</b>	<b>186,347</b>	<b>191,244</b>
<b>WORLD TOTAL</b>	<b>469,124</b>	<b>489,435</b>	<b>485,809</b>	<b>506,762</b>	<b>528,618</b>	<b>508,103</b>	<b>497,286</b>	<b>452,352</b>	<b>457,829</b>	<b>490,217</b>

(1) Excluding blast furnace ferro-alloys and synthetic iron.  
These figures exclude direct reduced iron and blast furnace ferro-alloys.

TABLE 16

PIG IRON EXPORTS  
 =====  
 thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Belgium/Luxembourg	12	33	56	37	22	7	9	4	2	4
France	221	227	192	128	360	286	191	174	136	192
FR of Germany	785	880	750	796	988	1,046	872	755	510	554
Italy	7	8	12	17	22	9	5	8	29	20
Netherlands	0	0	0	2	24	12	6	7	13	9
United Kingdom	45	83	68	55	45	56	38	34	69	61
EC Total	1,070	1,231	1,078	1,035	1,461	1,416	1,121	982	759	840
Austria	1	4	4	2	4	3	6	5	5	7
Finland	95	85	68	0	17	18	0	0	1	1
Norway	96	96	89	107	145	104	71	65	44	28
Spain	1	1	0	64	81	31	19	0	6	6
Sweden	283	158	256	610	269	180	143	127	131	113
Turkey	20	0	0	0	0	8	0	0	16	60
Yugoslavia	108	51	75	23	62	51	23	12	45	45 E
Other Western Europe	604	395	492	806	578	395	262	209	248	260
Total Western Europe	1,674	1,626	1,570	1,841	2,039	1,811	1,383	1,191	1,007	1,100
Canada	441	385	557	602	394	562	466	535	348	434
United States	68	75	61	61	114	90	31	62	19	65
Japan	29	156	575	43	61	15	12	61	345	277
Australia	559	593	763	519	642	515	158	300	350	150 E
South Africa	1	0	3	33	117	117	99	93	0	0 E
TOTAL INDUSTRIAL CTS.	2,772	2,835	3,529	3,099	3,367	3,110	2,149	2,242	2,069	2,026
Brazil	511	775	851	1,027	989	841	714	677	1,801	2,484
Zimbabwe	0	164	0	0	20	39	10	5	0	0
India	292	1,023	699	267	44	0	0	0	0	0
TOTAL DEVELOPING CTS.	803	1,962	1,550	1,294	1,053	880	724	682	1,801	2,484
TOTAL WESTERN WORLD	3,575	4,797	5,079	4,393	4,420	3,990	2,873	2,924	3,870	4,510
Bulgaria	50	27	37	48	12	34	8	16	38	263
Czechoslovakia	21	22	28	0	0	0	0	0	0	0
Hungary	99	136	116	48	16	2	0	0	5	21
Poland	246	0	0	0	0	0	0	0	0	0
USSR (Estimated)	4,729	4,527	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500
Total Eastern Europe	5,145	4,712	4,681	4,596	4,528	4,536	4,508	4,516	4,543	4,784
WORLD TOTAL	8,720	9,509	9,760	8,989	8,948	8,526	7,381	7,440	8,413	9,294

TABLE 17

**PIG IRON IMPORTS**  
 =====  
 thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Belgium/Luxembourg	161	203	167	119	105	97	92	91	48	95
Denmark	77	36	29	23	24	44	51	66	32	43
France	298	404	459	407	446	452	406	370	365	412
FR of Germany	208	331	349	339	316	317	243	270	227	262
Greece	16	16	18	15	40	10	17	14	17	7
Ireland	2	1	2	2	3	2	2	2	0	1
Italy	670	806	704	455	636	733	352	417	324	417
Netherlands	57	48	50	50	76	64	44	43	38	54
United Kingdom	87	222	181	169	173	192	129	168	106	103
<b>EC Total</b>	<b>1,576</b>	<b>2,067</b>	<b>1,959</b>	<b>1,579</b>	<b>1,819</b>	<b>1,911</b>	<b>1,336</b>	<b>1,441</b>	<b>1,157</b>	<b>1,394</b>
Austria	13	107	95	144	95	103	82	78	38	51
Finland	57	5	4	7	20	45	25	23	15	12
Norway	13	15	14	8	13	15	15	10	10	8
Portugal	33	32	25	34	47	42	75	49	55	48
Spain	35	54	36	34	41	55	41	104	100	78
Sweden	232	235	89	47	58	56	46	68	48	49
Switzerland	65	69	84	99	99	99	83	82	80	86
Turkey	109	269	15	5	1	5	1	0	68	43
Yugoslavia	108	142	19	85	102	49	71	99	63	75 E
<b>Other Western Europe</b>	<b>665</b>	<b>928</b>	<b>381</b>	<b>463</b>	<b>476</b>	<b>469</b>	<b>439</b>	<b>513</b>	<b>477</b>	<b>450</b>
<b>Total Western Europe</b>	<b>2,241</b>	<b>2,995</b>	<b>2,340</b>	<b>2,042</b>	<b>2,295</b>	<b>2,380</b>	<b>1,775</b>	<b>1,954</b>	<b>1,634</b>	<b>1,844</b>
Canada	4	9	12	3	10	2	7	3	5	6
United States	478	489	465	683	527	423	462	322	342	796
Japan	408	593	550	646	564	781	1,086	1,381	1,001	823
South Africa	36	79	0	0	21	0	0	0	0	0
<b>TOTAL INDUSTRIAL CTS.</b>	<b>3,167</b>	<b>4,165</b>	<b>3,367</b>	<b>3,374</b>	<b>3,417</b>	<b>3,586</b>	<b>3,330</b>	<b>3,660</b>	<b>2,982</b>	<b>3,469</b>
Argentina	137	71	113	7	0	0	10	122	206	177
India	0	0	1	0	0	0	117	427	204	200 E
Indonesia	7	10	16	35	33	44	36	75	84	85 E
Republic of Korea	0	7	20	29	80	7	64	72	105	100 E
Philippines	28	63	53	36	46	20	1	4	5	5 E
Singapore	73	22	9	57	81	33	63	103	100	100 E
Taiwan (ROC)	8	71	105	73	74	12	188	148	224	225 E
Thailand	2	1	21	1	23	5	27	20	20	20 E
<b>Total Asia</b>	<b>118</b>	<b>174</b>	<b>225</b>	<b>231</b>	<b>337</b>	<b>121</b>	<b>496</b>	<b>849</b>	<b>742</b>	<b>735</b>
<b>TOTAL DEVELOPING CTS.</b>	<b>255</b>	<b>245</b>	<b>338</b>	<b>238</b>	<b>337</b>	<b>121</b>	<b>506</b>	<b>971</b>	<b>948</b>	<b>912</b>
<b>TOTAL WESTERN WORLD</b>	<b>3,422</b>	<b>4,410</b>	<b>3,705</b>	<b>3,612</b>	<b>3,754</b>	<b>3,707</b>	<b>3,836</b>	<b>4,631</b>	<b>3,930</b>	<b>4,381</b>
Bulgaria	330	336	366	410	356	413	435	400	408	665
Czechoslovakia	1,015	858	912	919	592	809	843	901	780	745
German Dem Rep	792	658	631	804	669	695	664	871	856	877
Hungary	254	289	228	253	226	257	291	235	295	281
Poland	1,695	1,815	1,740	1,709	1,463	1,374	1,449	1,273	1,133	1,188
Romania	583	560	646	513	561	633	282	280	210	165
USSR (E)	135	229	213	176	37	0	0	0	0	0
<b>Total Eastern Europe</b>	<b>4,804</b>	<b>4,745</b>	<b>4,736</b>	<b>4,784</b>	<b>3,904</b>	<b>4,181</b>	<b>3,964</b>	<b>3,960</b>	<b>3,682</b>	<b>3,921</b>
China	615	430	1,183	1,391	726	353	12	0	0	0
<b>TOTAL CPE'S</b>	<b>5,419</b>	<b>5,175</b>	<b>5,919</b>	<b>6,175</b>	<b>4,630</b>	<b>4,534</b>	<b>3,976</b>	<b>3,960</b>	<b>3,682</b>	<b>3,921</b>
<b>WORLD TOTAL</b>	<b>8,841</b>	<b>9,585</b>	<b>9,624</b>	<b>9,787</b>	<b>8,384</b>	<b>8,241</b>	<b>7,812</b>	<b>8,591</b>	<b>7,612</b>	<b>8,302</b>

TABLE 18

## IRON ORE PRODUCTION

=====

thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Belgium	93	63	47	42	0	0	0	0	0	0
Denmark	13	8	5	0	6	8	0	0	0	0
France	49,652	45,181	36,634	33,457	31,665	28,978	21,597	19,391	15,966	15,032
FR of Germany	3,288	2,256	2,487	1,597	1,649	1,948	1,575	1,314	979	979
Greece	1,980	2,208	2,052	1,620	1,850	1,600	1,280	500	1,300	1,200 E
Ireland	0	0	0	0	0	0	0	0	0	0
Luxembourg	2,315	2,079	1,547	835	631	560	429	0	0	0
Italy	739	542	461	353	208	179	128	5	0	0
Netherlands	0	0	0	0	0	0	0	0	0	0
United Kingdom	4,490	4,585	3,745	4,240	4,268	916	731	470	384	379
EC Total	62,570	56,922	46,978	42,144	40,277	34,189	25,740	21,680	18,629	17,590
Austria	3,833	3,785	3,450	2,789	3,200	3,200	3,050	3,290	3,540	3,600
Finland	766	1,059	1,047	954	969	1,009	1,060	1,086	1,046	1,040
Norway	4,063	3,921	3,724	3,776	4,249	3,807	4,064	3,266	3,535	3,723
Portugal	45	48	52	52	50	57	37	27	36	30
Spain	8,617	7,908	7,899	8,579	8,827	8,865	8,410	7,621	7,449	7,466
Sweden	30,867	29,861	25,416	21,486	26,619	27,174	23,377	16,138	13,534	18,122
Turkey	1,990	1,771	3,190	3,210	1,960	2,574	2,240	2,646	2,645	2,040
Yugoslavia	5,238	4,260	4,451	4,563	4,616	4,504	4,793	5,105	5,018	5,321
Other Western Europe	55,419	52,613	49,229	45,409	50,490	51,190	47,031	39,179	36,803	41,342
Total Western Europe	117,989	109,535	96,207	87,553	90,767	85,379	72,771	60,859	55,432	58,932
Canada	44,745	56,013	54,431	42,941	47,323	50,173	49,696	36,259	29,930	37,810
United States	82,596	79,252	56,275	82,015	86,489	70,727	75,188	36,000	38,574	54,792
Japan	940	760	684	595	460	478	441	362	298	324
Australia	97,651	93,255	95,923	83,134	91,717	95,534	84,661	87,694	71,040	88,969
New Zealand	2,300	2,470	2,650	3,020	3,910	3,160	3,480	2,980	2,200	2,290
South Africa	12,290	15,360	26,480	24,200	31,560	25,738	25,300	24,600	16,600	24,500
TOTAL INDUSTRIAL CTS.	358,511	356,645	332,650	323,458	352,226	331,189	311,537	248,754	214,074	267,617
Argentina	260	570	720	910	610	412	382	1,158	1,162	1,160 E
Brazil	88,493	92,610	80,940	84,440	95,460	97,240	97,900	93,100	92,100	97,000
Chile	11,070	9,970	7,660	7,040	8,290	8,960	7,480	6,356	5,809	5,590
Colombia	623	498	473	513	418	491	412	445	435	400
Mexico	5,050	5,470	5,380	5,330	6,440	8,149	8,736	8,795	7,888	8,500
Peru	7,753	4,764	6,190	4,934	5,417	5,679	5,954	5,629	4,287	4,040
Venezuela	24,519	18,891	13,761	12,562	14,184	15,416	14,858	11,157	10,187	12,723
Total Latin America	137,768	132,773	115,124	115,729	130,819	136,347	135,722	126,640	121,868	129,413



TABLE 18  
(continued)

## IRON ORE PRODUCTION

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thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Algeria	3,190	2,790	3,180	3,040	3,120	3,454	3,481	3,892	3,684	3,664
Angola	5,600	0	0	0	0	0	0	0	0	0
Liberia	21,690	20,390	18,140	18,390	18,350	18,250	19,540	18,000	15,410	16,100
Mauritania	8,750	9,540	7,340	7,080	8,910	8,940	8,270	8,210	6,600	9,100
Morocco	550	340	410	60	60	60	50	230	300	200 E
Sierra Leone	1,450	0	0	0	0	0	0	10	360	420
Swaziland	2,230	1,930	1,480	0	0	0	0	0	0	0
Tunisia	620	490	490	340	390	384	400	270	300	310
<b>Total Africa</b>	<b>44,080</b>	<b>35,480</b>	<b>31,040</b>	<b>28,910</b>	<b>30,830</b>	<b>31,088</b>	<b>31,741</b>	<b>30,612</b>	<b>26,654</b>	<b>29,794</b>
India	41,794	43,740	42,598	38,838	39,545	40,682	41,122	41,997	37,584	41,570
Republic of Korea	530	593	567	553	434	457	426	541	650	550
Malaysia	350	310	320	300	350	372	530	400	100	160
Philippines	1,350	570	0	0	0	0	0	0	0	0
Thailand	30	20	60	90	100	84	60	30	70	70
<b>Total Asia</b>	<b>44,054</b>	<b>45,233</b>	<b>43,545</b>	<b>39,781</b>	<b>40,429</b>	<b>41,595</b>	<b>42,138</b>	<b>42,968</b>	<b>38,404</b>	<b>42,350</b>
<b>TOTAL DEVELOPING CTS.</b>	<b>225,902</b>	<b>213,486</b>	<b>189,709</b>	<b>184,420</b>	<b>202,078</b>	<b>209,030</b>	<b>209,601</b>	<b>200,220</b>	<b>186,926</b>	<b>201,557</b>
<b>TOTAL WESTERN WORLD</b>	<b>584,413</b>	<b>570,131</b>	<b>522,359</b>	<b>507,878</b>	<b>554,304</b>	<b>540,219</b>	<b>521,138</b>	<b>448,974</b>	<b>401,000</b>	<b>469,174</b>
Bulgaria	2,337	2,316	2,270	2,453	2,103	1,886	1,754	1,552	1,803	2,063
Czechoslovakia	1,773	1,904	1,994	2,023	2,012	1,927	1,935	1,861	1,903	1,869
German Dem Rep	59	59	72	80	65	51	41	41	40	36
Hungary	386	358	262	283	285	198	196	214	215	193
Poland	1,192	674	659	529	249	104	105	49	10	12
Romania	3,065	2,834	2,467	2,511	2,523	2,333	2,304	2,146	1,987	1,916
USSR	232,803	239,109	239,716	244,231	241,597	244,762	242,416	244,410	245,189	247,100
<b>Total Eastern Europe</b>	<b>241,615</b>	<b>247,254</b>	<b>247,440</b>	<b>252,110</b>	<b>248,834</b>	<b>251,261</b>	<b>248,751</b>	<b>250,273</b>	<b>251,147</b>	<b>253,189</b>
China	65,000	65,000	60,000	70,000	75,000	75,000	70,000	71,000	72,000	77,000
DPR Korea	8,730	8,200	8,400	8,500	8,500	8,200	8,000	8,000	8,000	8,000 E
<b>TOTAL CPE'S</b>	<b>315,345</b>	<b>320,454</b>	<b>315,840</b>	<b>330,610</b>	<b>332,334</b>	<b>334,461</b>	<b>326,751</b>	<b>329,273</b>	<b>331,147</b>	<b>338,189</b>
<b>WORLD TOTAL</b>	<b>899,758</b>	<b>890,585</b>	<b>838,199</b>	<b>838,488</b>	<b>886,638</b>	<b>874,680</b>	<b>847,889</b>	<b>778,247</b>	<b>732,147</b>	<b>807,363</b>

TABLE 19

IRON ORE EXPORTS  
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	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Belgium-Luxembourg	71	27	148	84	3	60	19	0	1	0
Denmark	13	8	5	10	7	9	9	15	12	7
France	16016	15,771	11,843	11,371	10,173	8,652	6,378	5,453	4,622	4,752
FR of Germany	4	4	3	7	3	4	6	6	8	3
Italy	12	0	5	11	0	1	0	0	0	1
Netherlands	98	30	149	12	119	273	240	146	13	46
United Kingdom	0	0	1	0	1	1	20	1	1	0
EC Total	16,214	15,840	12,154	11,495	10,306	9,000	6,672	5,621	4,657	4,809
Austria	0	2	0	0	0	0	0	0	0	1
Finland	0	1	0	13	0	15	23	0	0	0
Norway	3,154	2,779	2,696	3,073	3,481	2,722	3,482	2,116	2,946	3,083
Portugal	0	0	0	0	1	4	0	0	0	2
Spain	1,960	2,187	1,462	2,024	1,994	2,088	1,126	1,869	1,580	1,974
Sweden	23,081	22,028	18,903	22,258	26,243	20,998	17,709	12,597	14,279	17,592
Yugoslavia	30	6	2	0	0	0	29	21	0	0
Other Western Europe	28,225	27,003	23,063	27,368	31,719	25,827	22,369	16,603	18,805	22,652
Total Western Europe	44,439	42,843	35,217	38,863	42,025	34,827	29,041	22,224	23,462	27,461
Canada	36,031	44,683	45,058	31,927	48,849	38,992	41,452	30,073	25,528	30,737
United States	2,578	2,960	2,177	4,281	5,230	5,781	5,635	3,229	3,842	5,073
Australia	80,264	81,387	78,889	75,265	78,380	80,375	71,729	72,567	74,088	85,477
New Zealand	2,000	2,200	3,300	3,000	2,700	2,500	2,900	2,500	2,500	2,200
South Africa	2,500	2,500	12,100	13,400	14,200	13,888	14,000	11,300	7,800	12,000
TOTAL INDUSTRIAL CTS.	167,812	176,573	176,741	166,736	191,384	176,363	164,757	141,893	137,220	162,948
Brazil	67,040	67,086	58,541	66,371	75,588	78,958	81,019	72,709	69,961	88,474
Chile	9,500	8,900	7,500	6,500	6,900	7,600	6,700	5,500	4,700	5,600
Peru	4,905	4,387	5,987	4,852	5,234	5,592	5,156	5,596	4,182	4,091
Venezuela	20,460	15,672	11,430	12,828	12,976	11,752	12,422	6,616	6,245	8,456
Total Latin America	101,905	96,045	83,458	90,551	100,698	103,902	105,297	90,421	85,088	106,621
Algeria	1,551	1,780	1,513	1,530	2,484	1,432	1,507	1,444	1,302	1,051
Angola	2,700	0	0	0	0	0	0	0	100	0
Liberia	16,905	19,087	17,916	20,771	19,348	17,387	20,670	16,314	15,358	16,758
Mauritania	8,617	9,658	8,552	6,309	9,313	8,727	8,609	7,753	7,402	9,527
Sierra Leone	1,347	0	0	0	0	0	0	0	355	400
Total Africa	31,120	30,525	27,981	28,610	31,145	27,546	30,786	25,511	24,517	27,736
India	22,222	22,815	23,341	19,459	23,870	26,194	23,708	24,372	20,682	24,312
Philippines	1,322	836	1,983	3,280	4,100	4,264	0	18	0	0
Total Asia	23,544	23,651	25,324	22,739	27,970	30,458	23,708	24,390	20,682	24,312
TOTAL DEVELOPING CTS.	156,569	150,221	136,763	141,900	159,813	161,906	159,791	140,322	130,287	158,669
TOTAL WESTERN WORLD	324,381	326,794	313,504	308,636	351,197	338,269	324,548	282,215	267,507	321,617
USSR	43,626	43,126	40,946	40,605	39,012	38,108	34,917	33,201	33,245	35,293
WORLD TOTAL	368,007	369,920	354,450	349,241	390,209	376,377	359,465	315,416	300,752	356,910

TABLE 20

IRON ORE IMPORTS  
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	1,975	1,976	1,977	1,978	1,979	1,980	1,981	1,982	1,983	1,984
Belgium/Luxembourg	25,520	26,979	21,522	24,242	26,144	22,182	21,148	18,613	17,519	19,628
Denmark	1	1	1	3	1	3	127	183	63	1
France	13,169	14,043	14,585	14,605	14,910	18,435	16,384	12,805	10,068	15,043
FR of Germany	44,279	46,775	39,749	42,133	51,703	49,834	44,288	38,910	35,497	42,568
Greece	786	371	646	235	389	288	0	0	0	0
Ireland	0	0	0	0	0	0	0	0	0	0
Italy	15,649	17,053	15,281	16,297	17,318	16,912	15,196	16,066	13,800	19,240
Netherlands	7,368	6,528	6,921	5,579	7,430	7,586	6,659	6,159	4,875	7,237
United Kingdom	15,783	18,589	15,539	15,453	17,924	8,530	14,643	10,572	13,169	14,160
EC Total	122,555	130,339	114,244	118,547	135,819	123,770	118,445	103,308	94,991	117,877
Austria	2,574	2,877	2,611	2,618	3,963	3,336	3,423	3,241	2,391	3,890
Finland	1,295	973	1,140	1,530	1,792	1,736	1,496	1,494	1,300	1,857
Norway	39	164	120	121	312	87	11	48	226	40
Portugal	419	524	447	389	620	495	0	263	470	375
Spain	6,135	6,150	4,899	4,628	5,196	4,757	4,687	4,620	4,202	4,220
Sveden	318	190	121	121	33	0	0	5	19	39
Switzerland	38	30	26	39	37	40	35	6	0	0
Turkey	234	413	667	173	773	811	1,050	1,171	1,329	1,656
Yugoslavia	598	482	516	547	1,060	1,640	1,360	1,477	1,568	1,600 E
Other Western Europe	11,640	11,803	10,547	10,166	13,786	12,902	12,062	12,325	11,505	13,677
Total Western Europe	134,195	142,142	124,791	128,713	149,605	136,672	130,507	115,633	106,496	131,554
Canada	4,842	3,020	2,505	4,686	5,913	5,875	5,792	3,357	4,013	5,453
United States	47,513	45,133	38,520	34,167	34,350	25,493	28,800	14,990	13,543	17,449
Japan	131,749	133,727	132,571	114,645	130,268	133,721	123,362	121,808	109,153	125,372
TOTAL INDUSTRIAL CTS.	318,299	324,022	298,387	282,211	320,136	301,761	288,461	255,788	233,205	279,828
Argentina	400	629	802	2,134	2,000	2,000	2,305	2,025	1,570	2,199
Republic of Korea	711	2,442	3,320	3,789	6,950	8,681	11,201	11,793	11,497	12,438
Philippines	0	0	2,407	3,405	3,363	4,651	36	0	0	0
Taiwan (ROC)	143	151	1,176	2,489	2,649	2,844	2,413	4,049	4,957	5,000 E
Total Asia	854	2,593	6,903	9,683	12,962	16,176	13,650	15,842	16,454	17,438
TOTAL DEVELOPING CTS.	1,254	3,222	7,705	11,817	14,962	18,176	15,955	17,867	18,124	19,637
TOTAL WESTERN WORLD	319,553	327,244	306,092	294,028	335,098	319,937	304,416	273,655	251,329	299,465
Bulgaria	1,918	1,638	1,672	1,646	2,107	2,225	2,280	2,360	2,312	2,286
Czechoslovakia	14,802	15,400	15,970	15,600	12,459	12,819	12,166	11,640	11,683	11,228
German Dem Rep	2,118	2,053	2,267	2,046	2,033	2,088	2,335	1,932	1,842	1,971
Hungary	4,261	4,234	4,281	4,200	4,045	3,286	3,765	3,757	3,967	4,170
Poland	15,423	15,829	16,943	17,179	18,872	20,133	15,870	13,493	13,787	17,110
Romania	10,879	11,740	12,402	13,373	14,974	15,982	15,016	14,398	14,477	14,963
USSR	0	0	0	0	0	0	0	0	0	0
Total Eastern Europe	49,401	50,894	53,535	54,044	54,490	56,533	51,432	47,580	48,068	51,728
China	1,436	1,370	1,405	6,636	6,039	5,949	2,955	2,300	3,750	5,650 E
TOTAL CPE'S	50,837	52,264	54,940	60,680	60,529	62,482	54,387	49,880	51,818	57,378
WORLD TOTAL	370,390	379,508	361,032	354,708	395,627	382,419	358,803	323,535	303,147	356,843

EXPLANATORY NOTES

## Table

Production

1-3 Crude Steel Production is defined as the sum of useable ingots, continuously cast semi-finished products and liquid steel for castings.

Deliveries

6 The figures show total deliveries of the domestic steel industry, to both home and export markets. Due to differences in national statistical systems, the various countries included report different ranges of steel products. Therefore delivery figures are not internationally comparable: for example a country which reported deliveries of tubes and wire would show correspondingly lower deliveries of the hot-rolled products which had been used in their manufacture.

Trade

7-9 Trade figures are based on a broad definition of steel industry products, including ingots and semi-finished products; tubes; single strand wire; wheels tyres and axles; and unworked steel castings and forgings. Trade within the European Community, and within Comecon, is included. The imports of many developing nations for the most recent years have been estimated from the destinations declared by steel exporters. To obtain ingot equivalents in Table 7, 1 ton of continuously cast semi-finished product was assumed to be equivalent to 1.175 tons of ingot.

Consumption

10 Apparent crude steel consumption is developed as Production + Imports - Exports. Fixed United Nations conversion co-efficients were used to convert traded products back into their crude steel equivalents:

<u>Steel Product</u>	<u>Factor</u>
ingots	1.000
semi-finished products	1.172
heavy and light sections	1.271
heavy and medium plates	1.420
sheets	1.359
hoop and strip	1.228
tinplate	1.359
railway track material	1.300
wire rods	1.271
wire	1.319
tubes	1.470
wheels, tyres and axles	1.400

For some countries an average factor of 1.3 was applied to total trade.

It is clear that these factors convert trade into its ingot equivalent, whereas a growing proportion of crude steel is continuously cast. The result is that trade tonnages are overstated: in reality it no longer requires so much crude steel to produce these products. This is particularly true for Japan, where national coefficients have been used instead of those listed above. Thus Japanese exports are converted at realistic low factors; but in the destination countries' calculations, these exports are added to consumption at the higher United Nations factors. This leads to a systematic overstatement of crude steel consumption, amounting to some 5 million tons per year.

Sources

In addition to IISI's own direct respondents, publications of the United Nations Economic Commission for Europe, The United Kingdom Iron and Steel Statistics Bureau, ILAFA, IBS, and APEF have been used.

## **International Iron and Steel Institute**

Founded in 1967, the International Iron and Steel Institute (IISI) is a non-profit, economic research organisation whose members are steel companies, national steel federations and steel research associations in 43 countries. Together these 43 countries produced more than 60 percent of the 1984 world crude steel production, and approximately 99 percent of world production excluding the USSR and other Eastern Bloc countries, China and the DPR of Korea. IISI undertakes research into economic, financial, technological, environmental and promotional aspects of world steel and into various raw materials and industrial relations matters on behalf of its members. It also collects, evaluates and disseminates world steel statistics.

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