

INTERNATIONAL IRON AND STEEL INSTITUTE

# **Steel Statistical Yearbook 1993**

COMMITTEE ON STATISTICS  
Brussels 1993



## INTRODUCTION

This yearbook presents a cross-section of steel industry statistics which are exchanged or published by the International Iron and Steel Institute. The contents were finalised in January, 1994.

In general the statistics presented are based on a broad definition of the steel industry and its products, covering blast furnaces and their associated raw material preparation facilities; steel melting and casting shops, with associated foundries; hot and cold rolling and finishing; manufacture of tube and pipe, and wire drawing. Crude steel is defined as the total of usable ingots, continuously cast semi-finished products, and liquid steel for castings. Pig iron comprises both steel making and foundry iron, but excludes direct reduced iron. In contrast to previous editions of the I.I.S.I. Steel Statistical Yearbook, countries are now classified solely on a geographic basis. However, in order to maintain some comparability with earlier editions, included at the foot of each table are series for Industrialised Countries, Developing Countries, Western World, and Centrally Planned Economies/Economies in Transition. For further details the reader should consult the explanatory notes on page 120.

The terms F.R. Germany and German Democratic Republic refer to the territories prior to unification in all tables up to and including the year 1990, except in Table 3A and Table 17A.

The unit of measurement employed is the metric ton (1,000 kg. or 2,205 lbs.). Due to rounding, some columns or rows may not add exactly to the stated totals. E indicates that the figure has been estimated by I.I.S.I., three dots (...) indicates that an item of information was not available. Further explanatory notes related to specific tables can be found on page 119.

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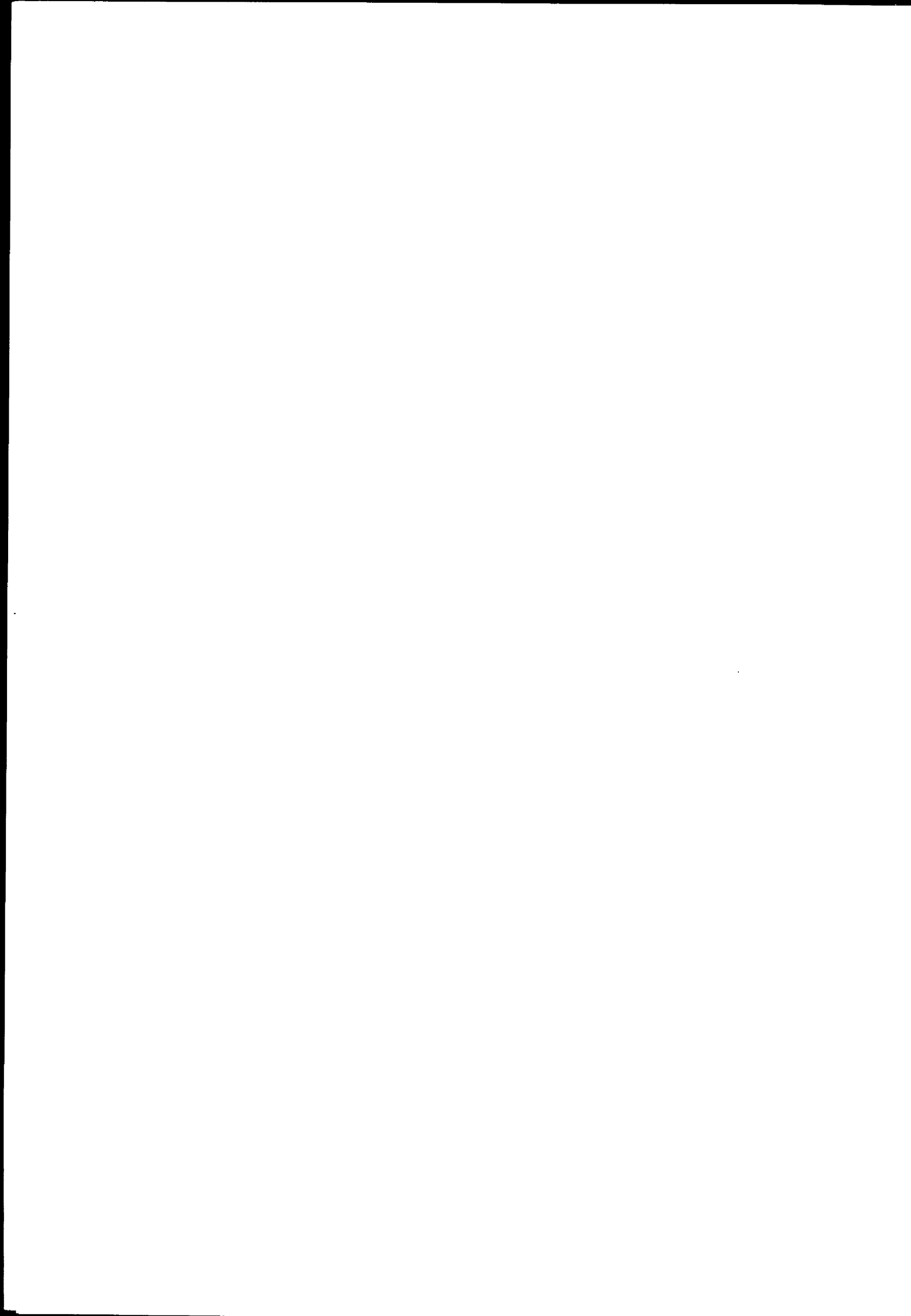
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Table 1

**WORLD CRUDE STEEL PRODUCTION SUMMARY**

million metric tons

Year	Production	Year	Production
1900	28.3	1950	189.8
1901	31.0	1951	211.3
1902	34.5	1952	211.8
1903	36.1	1953	235.1
1904	36.3	1954	224.4
1905	44.9	1955	270.5
1906	51.2	1956	283.9
1907	53.0	1957	293.0
1908	41.4	1958	271.7
1909	54.2	1959	306.6
1910	60.3	1960	347.1
1911	60.5	1961	347.2
1912	72.8	1962	353.6
1913	76.4	1963	379.2
1914	60.4	1964	429.9
1915	66.6	1965	452.4
1916	78.2	1966	471.3
1917	82.0	1967	493.3
1918	77.2	1968	523.9
1919	58.5	1969	570.9
1920	72.5	1970	595.3
1921	45.2	1971	582.3
1922	68.8	1972	630.2
1923	78.3	1973	696.4
1924	78.5	1974	703.5
1925	90.4	1975	643.5
1926	93.4	1976	675.1
1927	101.8	1977	675.3
1928	110.0	1978	716.5
1929	120.8	1979	746.7
1930	95.1	1980	716.3
1931	69.6	1981	707.1
1932	50.7	1982	644.9
1933	68.0	1983	663.4
1934	82.4	1984	710.1
1935	99.5	1985	718.9
1936	124.3	1986	713.6
1937	135.7	1987	736.5
1938	110.0	1988	780.2
1939	137.1	1989	785.8
1940	140.6	1990	770.2
1941	153.8	1991	737.1
1942	151.4	1992	722.7
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

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	10,154	11,300	10,683	9,713	9,783	11,217	10,948	11,414	11,331	10,330
Denmark	493	548	528	632	606	650	624	610	632	591
France	17,582	19,000	18,808	17,857	17,693	19,122	19,335	19,015	18,434	17,961
F.R. Germany (1)	35,729	39,389	40,497	37,134	36,248	41,023	41,073	38,434	42,169	39,711
Greece	866	936	985	1,009	907	959	956	999	980	924
Ireland	141	166	203	208	220	271	324	326	293	257
Italy	21,811	24,061	23,898	22,882	22,859	23,760	25,213	25,467	25,112	24,842
Luxembourg	3,294	3,987	3,945	3,705	3,302	3,661	3,721	3,560	3,379	3,068
Netherlands	4,484	5,739	5,517	5,283	5,082	5,518	5,681	5,412	5,171	5,439
Portugal	674	690	665	710	732	812	762	744	541	749
Spain	13,009	13,497	14,193	11,882	11,691	11,886	12,765	12,936	12,932	12,272
United Kingdom	14,986	15,121	15,722	14,725	17,414	18,950	18,740	17,841	16,474	16,212
<b>European Union</b>	<b>123,223</b>	<b>134,434</b>	<b>135,644</b>	<b>125,740</b>	<b>126,537</b>	<b>137,829</b>	<b>140,142</b>	<b>136,758</b>	<b>137,448</b>	<b>132,356</b>
Austria	4,411	4,870	4,660	4,292	4,301	4,560	4,717	4,291	4,187	3,953
Bosnia -Herzegovina									767	261
Croatia									215	102
Finland	2,416	2,639	2,518	2,586	2,669	2,798	2,921	2,860	2,890	3,077
Macedonia									222	202
Norway	876	916	944	836	851	910	678	383	438	446
Slovenia									373	401
Sweden	4,210	4,705	4,813	4,710	4,595	4,779	4,692	4,454	4,248	4,358
Switzerland	835	978	987	1,075	866	988	916	963	955	1,050
Turkey	3,834	4,330	4,864	5,928	7,044	7,982	7,799	9,322	9,987	10,343
Yugoslavia	4,134	4,236	4,480	4,520	4,367	4,485	4,500	3,743	2,295	1,833
F.R. Yugoslavia			923	870	852	1,111	1,170	1,102	725	667
<b>Other Western Europe</b>	<b>20,716</b>	<b>22,674</b>	<b>23,266</b>	<b>23,947</b>	<b>24,693</b>	<b>26,502</b>	<b>26,223</b>	<b>26,016</b>	<b>25,000</b>	<b>24,859</b>
<b>Western Europe</b>	<b>143,939</b>	<b>157,108</b>	<b>158,910</b>	<b>149,687</b>	<b>151,230</b>	<b>164,331</b>	<b>166,365</b>	<b>162,774</b>	<b>162,448</b>	<b>157,215</b>
Albania (E: to 1988)	70	80	90	100	100	100	112	79	16	0
Bulgaria	2,825	2,878	2,945	2,898	3,044	2,880	2,899	2,184	1,615	1,552
Czechoslovakia	15,024	14,831	15,036	15,112	15,416	15,379	15,466	14,877	12,071	10,844
Czech Republic										7,282
German Dem. Rep.	7,219	7,573	7,852	7,967	8,243	8,133	7,829	5,566	3,392	2,984
Hungary	3,617	3,770	3,647	3,716	3,622	3,582	3,315	2,823	1,931	1,533
Poland	16,236	16,533	16,126	17,144	17,145	16,873	15,094	13,597	10,403	9,835
Romania	12,593	14,437	13,795	14,276	14,962	14,314	14,415	9,761	7,116	5,372
Slovak Republic										3,858
<b>Eastern Europe</b>	<b>57,584</b>	<b>60,102</b>	<b>59,491</b>	<b>61,213</b>	<b>62,532</b>	<b>61,261</b>	<b>59,130</b>	<b>48,887</b>	<b>33,152</b>	<b>29,136</b>
<b>Europe</b>	<b>201,523</b>	<b>217,210</b>	<b>218,401</b>	<b>210,900</b>	<b>213,762</b>	<b>225,592</b>	<b>225,495</b>	<b>211,661</b>	<b>195,600</b>	<b>186,351</b>
Belarus									803	1,105
Kazakhstan									5,940	5,675
Russia							78,990	77,076		67,003
Ukraine							52,646	44,992		41,759
Uzbekistan									804	630
<b>C.I.S.</b>								<b>131,636</b>	<b>129,615</b>	<b>116,172</b>
Azerbaijan										385
Georgia									980	531
Latvia									374	246
Moldova									618	619
<b>former U.S.S.R.</b>	<b>152,511</b>	<b>154,230</b>	<b>154,653</b>	<b>160,537</b>	<b>161,874</b>	<b>163,037</b>	<b>160,096</b>	<b>154,414</b>	<b>132,839</b>	<b>117,953</b>

**Table 2**  
(continued)

**CRUDE STEEL PRODUCTION**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Canada	12,832	14,699	14,637	14,081	14,737	14,866	15,458	12,281	12,987	13,840
United States	76,762	83,941	80,068	74,032	80,877	90,650	88,834	89,723	79,738	84,322
<b>North America</b>	<b>89,594</b>	<b>98,640</b>	<b>94,705</b>	<b>88,113</b>	<b>95,614</b>	<b>105,516</b>	<b>104,292</b>	<b>102,004</b>	<b>92,726</b>	<b>98,162</b>
Argentina	2,943	2,647	2,942	3,235	3,633	3,652	3,908	3,657	2,972	2,661
Brazil	14,727	18,386	20,455	21,233	22,228	24,657	25,055	20,567	22,617	23,934
Central America	60	102	101	133	129	116	97	81	81	89
Chile	618	692	689	706	726	909	800	772	807	1,012
Colombia	482	507	530	632	689	712	711	701	652	657
Cuba	352	325	401	412	402	320	314	255	180	121
Ecuador	23	18	18	17	25	23	23	20	21	19
Mexico	6,978	7,560	7,399	7,225	7,642	7,779	7,852	8,734	7,964	8,435
Paraguay					13	62	55	48	61	86
Peru	299	337	397	486	496	430	364	270	404	342
Trinidad & Tobago	210	187	172	336	388	374	347	371	445	516
Uruguay	46	41	39	31	30	30	37	38	41	53
Venezuela	2,367	2,777	3,055	3,401	3,699	3,646	3,196	2,998	3,304	3,443
<b>Latin America</b>	<b>29,105</b>	<b>33,579</b>	<b>36,200</b>	<b>37,848</b>	<b>40,101</b>	<b>42,710</b>	<b>42,759</b>	<b>38,511</b>	<b>39,549</b>	<b>41,368</b>
Algeria	892	755	1,414	1,450	1,533	1,412	1,042	897	1,393	1,400 E
Egypt	979	928	1,028	1,013	1,433	2,025	2,114	2,247	2,556	2,524
Kenya	11	11	14	16	20	20	19	20	20	20 E
Libya								492	718	822
Nigeria	182	229	321	200	184	234	213	220	250	200 E
South Africa	7,180	7,732	8,507	8,895	8,991	8,837	9,337	8,619	9,358	9,061
Tunisia	163	166	160	182	188	159	187	177	194	182
Zimbabwe	647	423	730	680	616	603	582	585	581	547
Other Africa (E)	65	65	65	65	65	65	65	70	70	70 E
<b>Africa</b>	<b>10,119</b>	<b>10,309</b>	<b>12,239</b>	<b>12,501</b>	<b>13,029</b>	<b>13,354</b>	<b>13,559</b>	<b>13,326</b>	<b>15,140</b>	<b>14,826</b>
Iran	734	854	836	838	839	978	1,081	1,425	2,203	2,937
Israel	83	92	100	110	116	99	100	135	90	109
Qatar	480	488	533	507	491	527	563	564	564	575
Saudi Arabia	275	842	1,106	1,100	1,365	1,614	1,768	1,790	1,783	1,823
Other Middle East (E)	100	100	100	100	100	100	100	100	100	100 E
<b>Middle East</b>	<b>1,672</b>	<b>2,376</b>	<b>2,675</b>	<b>2,655</b>	<b>2,911</b>	<b>3,318</b>	<b>3,612</b>	<b>4,013</b>	<b>4,741</b>	<b>5,544</b>
Bangladesh	58	88	122	116	120	120	120	120	120	100 E
P.R. China	40,021	43,475	46,794	52,208	56,280	59,430	61,590	66,349	71,000	80,935
Hong Kong (E)	120	120	120	120	120	120	150	150	150	150 E
India	10,237	10,549	11,936	12,197	13,121	14,309	14,608	14,963	17,100	18,117
Indonesia	983	1,171	1,374	1,729	2,059	2,054	2,383	2,892	3,089	2,949
Japan	97,179	105,586	105,279	98,275	98,513	105,681	107,908	110,339	109,649	98,132
D.P.R. Korea (E)	6,100	6,500	6,500	6,600	6,730	6,830	6,930	7,000	7,000	7,000 E
R.o.Korea	11,915	13,034	13,539	14,555	16,782	19,118	21,873	23,125	26,001	28,054
Malaysia (E)	350	350	400	450	680	925	1,000	1,100	1,130	1,559
Pakistan (E)	120	300	750	900	1,000	1,200	1,200	1,200	1,200	1,000 E
Philippines (E)	200	250	300	400	450	500	550	600	605	497
Singapore	305	362	365	390	441	432	495	489	510	482
Taiwan (R.o.C.)	5,022	4,934	5,186	5,545	5,771	8,288	9,047	9,747	10,973	10,705
Thailand	244	381	447	463	534	552	600	650	711	929
Viet Nam (E: 1981-85)	60	60	60	64	70	74	85	102	183	219
Other Asia (E)	50	50	60	60	60	70	70	70	70	70 E
<b>Asia</b>	<b>172,964</b>	<b>187,210</b>	<b>193,232</b>	<b>194,073</b>	<b>202,730</b>	<b>219,703</b>	<b>228,609</b>	<b>238,895</b>	<b>249,491</b>	<b>250,897</b>

**Table 2**  
(continued)

**CRUDE STEEL PRODUCTION**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Australia	5,676	6,302	6,609	6,674	6,100	6,387	6,735	6,676	6,184	6,803
New Zealand	234	280	227	287	409	560	682	719	806	758
<b>Oceania</b>	<b>5,910</b>	<b>6,582</b>	<b>6,836</b>	<b>6,961</b>	<b>6,509</b>	<b>6,947</b>	<b>7,417</b>	<b>7,395</b>	<b>6,990</b>	<b>7,561</b>
<b>World</b>	<b>663,398</b>	<b>710,137</b>	<b>718,941</b>	<b>713,587</b>	<b>736,530</b>	<b>780,178</b>	<b>785,838</b>	<b>770,220</b>	<b>737,075</b>	<b>722,663</b>

of which:

Total Industrial Cts.	343,802	375,648	374,237	351,931	360,857	391,312	395,319	391,131	381,170	370,132
Total Developing Cts.	62,967	69,796	76,805	80,622	87,786	97,913	102,375	102,082	111,551	117,168
Total Western World	406,770	445,444	451,042	432,553	448,643	489,225	497,694	493,213	492,722	487,300
Total C.P.E.s/E.i.T.s	256,628	264,693	267,900	281,034	287,887	290,953	288,145	277,006	244,354	235,363

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Shaded figures are not included in totals.

**Crude Steel Production by Region**

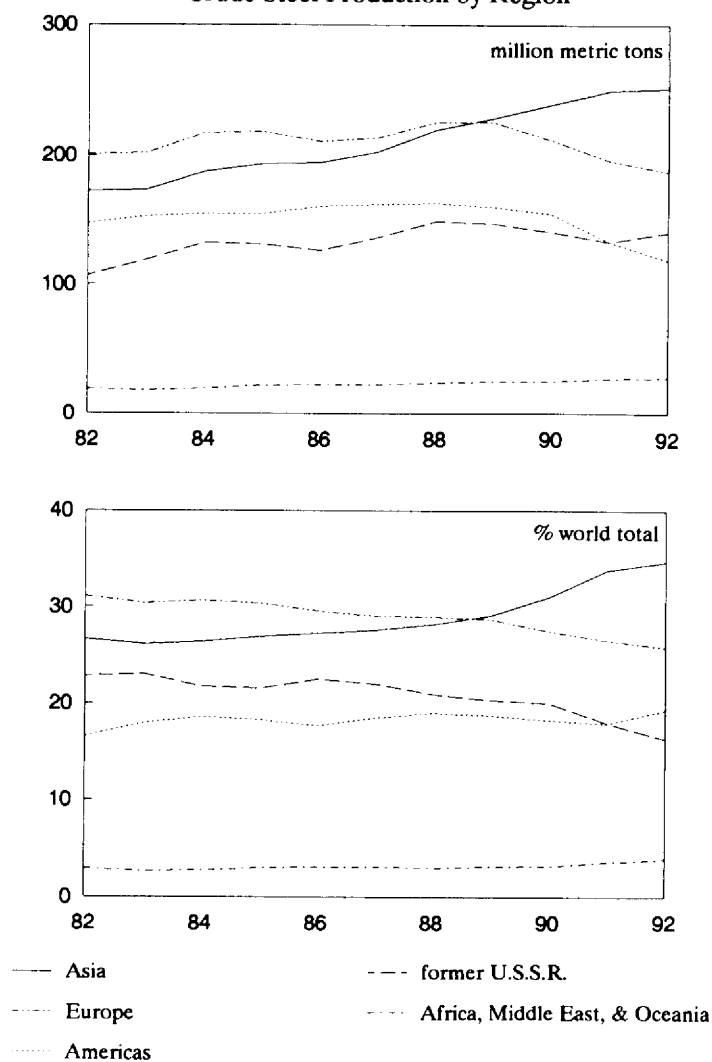


Table 3

**MONTHLY CRUDE STEEL PRODUCTION**

thousand metric tons

European Union (12)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	9,557	11,012	11,067	11,090	9,853	11,543	12,271	12,241	11,626	11,487	10,259
February	9,760	11,266	10,888	10,903	10,023	11,206	11,584	11,810	11,136	11,529	10,440
March	11,053	12,048	12,297	12,313	11,343	11,841	12,275	13,255	12,210	12,453	11,942
April	10,303	11,025	11,575	11,602	10,763	11,159	12,316	12,271	11,926	11,670	11,704
May	10,902	11,825	11,877	11,883	11,432	11,690	12,028	12,607	12,054	12,077	11,729
June	10,705	11,498	11,980	11,993	11,017	11,794	12,125	12,047	12,062	11,605	11,900
July	9,588	11,111	11,255	11,237	10,380	11,034	11,585	11,419	11,082	10,778	10,696
August	8,017	8,941	9,302	9,280	8,542	9,793	10,290	10,243	9,112	9,595	9,569
September	10,681	11,617	11,515	11,504	10,455	11,871	11,772	12,003	11,640	11,020	11,413
October	11,381	12,048	11,989	11,985	11,421	12,506	12,004	12,205	12,184	11,383	11,906
November	11,066	11,598	11,544	11,533	11,031	12,179	11,709	11,964	11,751	10,107	10,940
December	9,808	10,350	10,295	10,290	10,145	11,061	10,043	10,267	10,618	8,499	9,952
<b>Year total</b>	<b>122,821</b>	<b>134,339</b>	<b>135,584</b>	<b>135,613</b>	<b>126,405</b>	<b>137,677</b>	<b>140,001</b>	<b>142,333</b>	<b>137,403</b>	<b>132,204</b>	<b>132,450</b>

United States

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	5,053	7,230	6,336	6,954	5,668	7,602	7,919	7,475	6,874	7,035	7,205
February	5,149	7,386	6,215	6,505	5,436	7,243	7,277	6,916	5,994	6,742	6,829
March	6,466	8,215	7,502	7,209	6,690	7,950	8,162	7,716	6,607	7,296	7,392
April	6,615	8,162	7,141	7,064	6,715	7,619	7,927	7,447	6,431	7,144	7,191
May	6,724	8,323	7,103	6,909	6,932	8,012	7,832	7,736	6,419	7,228	7,510
June	6,344	7,208	6,615	6,105	6,667	7,286	7,413	7,386	6,366	6,880	7,200
July	6,279	6,768	6,359	5,762	6,644	7,541	7,217	7,349	6,657	6,845	7,317
August	6,368	6,273	6,468	5,142	6,798	7,422	7,067	7,666	6,701	6,828	7,258
September	6,472	5,786	6,281	5,120	6,980	7,472	6,910	7,341	6,765	6,576	7,147
October	6,978	6,081	6,669	5,522	7,324	7,559	7,416	7,642	6,995	7,023	7,629
November	6,589	5,826	6,397	5,316	7,150	7,151	6,700	7,276	6,769	6,758	7,064
December	6,342	5,455	6,104	5,332	7,181	7,216	6,552	6,733	6,665	6,747	7,250
<b>Year total</b>	<b>75,379</b>	<b>82,713</b>	<b>79,190</b>	<b>72,940</b>	<b>80,185</b>	<b>90,073</b>	<b>88,392</b>	<b>88,683</b>	<b>79,242</b>	<b>83,102</b>	<b>86,991</b>

Japan

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	7,677	8,645	8,875	8,568	7,797	9,081	9,055	9,172	9,533	8,123	8,557
February	7,121	8,325	8,426	7,877	7,261	8,540	8,344	8,274	8,839	7,792	7,846
March	7,759	8,608	9,162	8,496	7,987	8,788	8,986	9,170	9,614	8,276	8,592
April	7,964	8,822	9,113	8,438	8,237	8,794	9,082	9,126	9,500	7,945	8,439
May	8,207	9,031	9,159	8,526	8,225	8,795	9,191	9,335	9,635	8,240	8,960
June	8,005	8,719	8,779	8,267	7,946	8,537	8,968	8,980	9,345	8,161	8,861
July	8,408	9,068	8,965	8,077	8,153	8,940	9,189	9,189	9,238	8,162	8,479
August	8,139	8,836	8,539	7,764	8,158	8,559	8,769	9,157	9,016	8,069	8,140
September	8,202	8,621	8,289	7,910	8,010	8,618	8,710	9,077	8,894	8,087	8,156
October	8,913	9,186	8,917	8,227	8,984	9,365	9,435	9,822	9,244	8,522	8,242
November	8,459	8,828	8,498	8,024	8,862	8,822	8,933	9,394	8,468	8,354	7,597
December	8,315	8,895	8,559	8,101	8,893	8,842	9,247	9,643	8,321	8,402	7,748
<b>Year total</b>	<b>97,169</b>	<b>105,584</b>	<b>105,281</b>	<b>98,275</b>	<b>98,513</b>	<b>105,681</b>	<b>107,909</b>	<b>110,339</b>	<b>109,647</b>	<b>98,133</b>	<b>99,617</b>

Table 3A

## MONTHLY CRUDE STEEL PRODUCTION

Year: 1992

thousand metric tons

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Belgium	989	873	867	830	809	912	860	895	907	946	760	683	10,331
Denmark	49	52	52	43	64	53	15	63	59	54	57	31	592
France	1,631	1,613	1,713	1,648	1,581	1,638	1,487	1,153	1,482	1,507	1,346	1,163	17,961
F.R. Germany (1)	3,485	3,444	3,691	3,368	3,674	3,343	3,393	3,305	3,508	3,307	2,897	2,296	39,711
Greece	62	80	83	76	97	83	85	15	88	95	91	68	923
Ireland	22	28	25	19	20	24	7	5	27	28	28	25	257
Italy	2,070	2,213	2,494	2,277	2,437	2,367	2,083	1,320	1,744	2,058	1,980	1,801	24,844
Luxembourg	308	287	315	256	257	182	196	176	274	303	274	242	3,068
Netherlands	462	472	459	470	452	418	450	436	468	489	432	429	5,437
Portugal	58	61	74	73	68	67	64	57	53	70	68	55	768
Spain	1,001	983	1,189	1,164	1,155	1,151	866	953	1,102	1,123	835	732	12,254
United Kingdom	1,351	1,423	1,492	1,446	1,463	1,367	1,273	1,217	1,308	1,404	1,339	976	16,058
<b>European Union (12)</b>	<b>11,487</b>	<b>11,529</b>	<b>12,453</b>	<b>11,670</b>	<b>12,077</b>	<b>11,605</b>	<b>10,778</b>	<b>9,595</b>	<b>11,020</b>	<b>11,383</b>	<b>10,107</b>	<b>8,499</b>	<b>132,204</b>
Austria	326	293	340	328	380	380	386	335	305	287	296	290	3,946
Croatia	7	9	9	7	5	8	10	10	8	9	10	9	101
Finland	265	251	267	258	266	242	213	257	268	274	266	250	3,077
Macedonia	19	19	7	26	24	21	19	27	19	9	0	10	202
Norway	15	42	43	32	42	43	21	44	43	45	44	38	452
Slovenia	32	33	44	36	38	40	32	29	33	34	23	24	398
Sweden	422	376	433	411	406	285	40	384	410	426	403	362	4,358
Turkey	816	752	830	746	871	775	885	860	876	952	919	974	10,254
Yugoslavia (2)	35	63	93	90	83	66	16	22	70	30	51	46	665
<b>Other Western Europe</b>	<b>1,935</b>	<b>1,837</b>	<b>2,066</b>	<b>1,934</b>	<b>2,114</b>	<b>1,860</b>	<b>1,623</b>	<b>1,969</b>	<b>2,032</b>	<b>2,067</b>	<b>2,012</b>	<b>2,003</b>	<b>23,452</b>
<b>Total Western Europe</b>	<b>13,422</b>	<b>13,367</b>	<b>14,519</b>	<b>13,604</b>	<b>14,191</b>	<b>13,466</b>	<b>12,401</b>	<b>11,564</b>	<b>13,052</b>	<b>13,450</b>	<b>12,120</b>	<b>10,502</b>	<b>155,657</b>
Canada	1,071	1,116	1,239	1,171	1,162	1,222	1,006	1,121	1,209	1,192	1,195	1,232	13,936
United States	7,035	6,742	7,296	7,144	7,228	6,880	6,845	6,828	6,576	7,023	6,758	6,747	83,102
Japan	8,123	7,792	8,276	7,945	8,240	8,161	8,162	8,069	8,087	8,522	8,354	8,402	98,133
Australia	613	548	592	551	523	534	604	575	583	591	575	579	6,868
New Zealand	65 E	60 E	65 E	60 E	58	57	81	59	62	72	50	72	759
South Africa	751	758	747	738	756	779	776	779	730	785	782	681	9,062
<b>Total Industrial Cts.</b>	<b>31,081</b>	<b>30,382</b>	<b>32,735</b>	<b>31,213</b>	<b>32,157</b>	<b>31,099</b>	<b>29,874</b>	<b>28,994</b>	<b>30,298</b>	<b>31,634</b>	<b>29,834</b>	<b>28,215</b>	<b>367,516</b>
Czech Republic	588	609	658	662	697	656	554	586	581	588	562	541	7,282
Hungary	108	131	138	139	167	110	104	96	141	135	125	133	1,527
Poland	763	733	871	840	874	885	832	840	843	782	824	781	9,868
Romania	416	374	482	521	524	469	460	445	456	403	418	405	5,372
Slovak Republic	348	371	403	316	402	266	286	292	259	290	313	312	3,858
<b>Eastern Europe</b>	<b>2,223</b>	<b>2,218</b>	<b>2,552</b>	<b>2,478</b>	<b>2,664</b>	<b>2,386</b>	<b>2,236</b>	<b>2,259</b>	<b>2,280</b>	<b>2,198</b>	<b>2,242</b>	<b>2,172</b>	<b>27,907</b>
former G.D.R. (3)	225	223	237	242	265	277	201	276	280	257	263	238	2,984

Table 3A  
(continued)

MONTHLY CRUDE STEEL PRODUCTION

thousand metric tons

Year: 1992

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Belarus	74	80	70	68	58	69	74	60	69	76	63	78	839
Kazakhstan	415	490	510	502	517	507	478	488	463	442	436	427	5,675
Russia	5,443	5,648	6,260	6,242	6,103	5,617	5,441	5,283	4,919	5,201	5,438	5,408	67,003
Ukraine	2,978	3,044	3,261	3,383	3,468	3,329	3,371	3,129	3,061	3,336	3,069	3,010	38,439
Uzbekistan	42	28	64	70	59	50	52	50	42	54	51	68	630
<b>C.I.S.</b>	<b>8,952</b>	<b>9,290</b>	<b>10,165</b>	<b>10,265</b>	<b>10,205</b>	<b>9,572</b>	<b>9,416</b>	<b>9,010</b>	<b>8,554</b>	<b>9,109</b>	<b>9,057</b>	<b>8,991</b>	<b>112,586</b>
Azerbaijan	29	21	22	27	37	36	34	40	38	41	26	34	385
Georgia	44	30	46	57	47	42	46	52	48	39	43	37	531
Moldova	53	56	60	59	62	56	53	39	50	0	59	59	606
<b>former U.S.S.R.</b>	<b>9,078</b>	<b>9,397</b>	<b>10,293</b>	<b>10,408</b>	<b>10,351</b>	<b>9,706</b>	<b>9,549</b>	<b>9,141</b>	<b>8,690</b>	<b>9,189</b>	<b>9,185</b>	<b>9,121</b>	<b>114,108</b>
Argentina	101	180	246	246	239	287 r	251 r	212	216 E	241	239	222	2,680
Brazil	1,926	1,878	2,035	1,949	2,059	1,950	2,028 r	2,079	1,929 E	2,011	2,033	2,022	23,900
Chile	86	78	85	71	81	80	87	89	85 E	86	83	85	995
Colombia	58	53	60	59	60	58	51	63	53 E	65	56	54	689
Mexico	719	709	768	661	591	716	718	727 E	665 E	730	740	727	8,469
Peru	39	21	20	30	35	17	17 r	32 E	41 E	25	31	37	344
Trinidad and Tobago	42	38	32	37	39	43	53	42	48 E	51	46	52	523
Venezuela	281	282	324	293	295	289	324	287 E	269 E	240	284	272	3,440
Other Latin America (4)	19	19	20	16	18	15	16	27	29 E	29	23	18	248
<b>Total Latin America</b>	<b>3,269</b>	<b>3,259</b>	<b>3,590</b>	<b>3,362</b>	<b>3,417</b>	<b>3,455</b>	<b>3,544</b>	<b>3,557</b>	<b>3,335</b>	<b>3,477</b>	<b>3,536</b>	<b>3,487</b>	<b>41,287</b>
Iran	224	235	218	271	256	262	222	264	189	259	286	276	2,964
Qatar	52	19	51	51	49	48	53	53	47	53	52	46	575
Saudi Arabia	117	157	170	87	152	151	165	163	160	169	183	192	1,866
Egypt	209	195	222	198	222	219	195	196	209	190	223	246	2,524
Libya	91	84	84	60	49	5	56	47	65	81	96	104	822
Tunisia	15	12	14	14	13	17	18	16	12	16	16	18	181
Zimbabwe	60	56	52	40	39	53	47	56	43	47	25	41	559
India	1,454	1,409	1,575	1,460	1,452	1,398	1,505	1,543 E	1,517	1,612	1,544	1,631	18,100
R.o.Korea	2,220	2,098	2,353	2,237	2,316	2,227	2,269	2,260	2,224	2,568	2,612	2,670	28,055
Taiwan (R.o.C.)	999	887	992	879	986	886	925	844 E	741	857	810	899	10,705
<b>Total Developing Cts.</b>	<b>8,710</b>	<b>8,411</b>	<b>9,320</b>	<b>8,660</b>	<b>8,951</b>	<b>8,722</b>	<b>8,998</b>	<b>9,000</b>	<b>8,541</b>	<b>9,331</b>	<b>9,382</b>	<b>9,612</b>	<b>107,637</b>
P.R. China	6,299	6,284	6,685	6,466	6,577	6,549	6,537	6,467 E	6,779	7,218	7,128	7,048	80,037
Cuba	16 E	15 E	16 E	14 E	14	10	13	13 E	13 E	13	13	13	162
<b>Total 67 countries</b>	<b>57,406</b>	<b>56,707</b>	<b>61,600</b>	<b>59,239</b>	<b>60,714</b>	<b>58,473</b>	<b>57,207</b>	<b>55,874</b>	<b>56,601</b>	<b>59,583</b>	<b>57,784</b>	<b>56,181</b>	<b>697,367</b>

E - estimated

(1) - including former G.D.R.

(3) - not included in totals.

(2) - Serbia and Montenegro.

(4) - Dominican Rep., Ecuador, El Salvador, Guatemala, Honduras, Paraguay, and Uruguay.

Table 3A  
(continued)

MONTHLY CRUDE STEEL PRODUCTION  
thousand metric tons

Year: 1993

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Belgium	817	879	970	965	824	872	731	732	845	921	821	801	10,178
Denmark	41	46	52	43	43	56	28	58	65	68	58	48	606
France	1,335	1,359	1,593	1,650	1,601	1,561	1,495	990	1,448	1,488	1,215	1,376	17,108
F.R. Germany (1)	2,790	2,940	3,295	3,187	2,994	3,384	3,160	3,319	3,315	3,267	3,213	2,757	37,620
Greece	86	81	91	82	98	90	94	52	99	83	85	90	1,031
Ireland	16	20	37	33	29	41	14	23	39	31	23	23	326
Italy	1,985	2,060	2,495	2,278	2,518	2,387	2,101	1,522	2,230	2,373	2,133	1,776	25,858
Luxembourg	268	269	312	302	300	298	252	179	281	306	253	272	3,293
Netherlands	484	442	514	488	525	508	513	506	477	508	507	511	5,983
Portugal	69	54	59	67	68	66	59	37	63	68	65	70	745
Spain	965	961	1,098	1,072	1,237	1,203	880	950	1,135	1,268	1,110	1,130	13,009
United Kingdom	1,404	1,330	1,426	1,537	1,493	1,435	1,369	1,201	1,417	1,525	1,457	1,099	16,693
<b>European Union (12)</b>	<b>10,259</b>	<b>10,440</b>	<b>11,942</b>	<b>11,704</b>	<b>11,729</b>	<b>11,900</b>	<b>10,696</b>	<b>9,569</b>	<b>11,413</b>	<b>11,906</b>	<b>10,940</b>	<b>9,952</b>	<b>132,450</b>
Austria	302	318	359	319	340	340	352	330	353	379	375	382	4,149
Croatia	9	9	3	8	7	6	7	4	4	8	3	3 E	71
Finland	271	245	281	276	290	274	223	278	287	270	288	269	3,251
Macedonia	5	13	12	6 E	8 E	5	13	18	16	14	9	6	123
Norway	41	40	46	34	45	46	19	48	50	46	50	41	506
Slovenia	28	30	27	28	29	33	33	31	31	35	28	27	359
Sweden	415	360	450	399	419	414	58	354	421	435	429	436	4,591
Turkey	949	829	950	940	947	940	993	981	958	1,019	958	971	11,436
F.R. Yugoslavia (2)	35	10	43	12	9	16	4	10	12	17	3	10	180
<b>Other Western Europe</b>	<b>2,055</b>	<b>1,854</b>	<b>2,170</b>	<b>2,022</b>	<b>2,095</b>	<b>2,074</b>	<b>1,701</b>	<b>2,053</b>	<b>2,131</b>	<b>2,223</b>	<b>2,143</b>	<b>2,146</b>	<b>24,666</b>
<b>Total Western Europe</b>	<b>12,315</b>	<b>12,295</b>	<b>14,113</b>	<b>13,726</b>	<b>13,823</b>	<b>13,973</b>	<b>12,396</b>	<b>11,621</b>	<b>13,545</b>	<b>14,129</b>	<b>13,083</b>	<b>12,097</b>	<b>157,117</b>
Canada	1,140	1,098	1,283	1,253	1,244	1,168	1,198	1,238	1,207	1,135	1,206	1,160	14,333
United States	7,205	6,829	7,392	7,191	7,510	7,200	7,317	7,258	7,147	7,629	7,064	7,250	86,991
Japan	8,557	7,846	8,592	8,439	8,960	8,861	8,479	8,140	8,156	8,242	7,597	7,748	99,617
Australia	616	557	622	597	675	651	643	653	663	693	676	676	7,723
New Zealand	56	66	58	81	70	65	88	67	81	74	68	75	850
South Africa	724	686	714	717	714	684	738	738	764	735	749	650 E	8,613
<b>Total Industrial Cts.</b>	<b>30,613</b>	<b>29,377</b>	<b>32,773</b>	<b>32,004</b>	<b>32,996</b>	<b>32,604</b>	<b>30,859</b>	<b>29,716</b>	<b>31,562</b>	<b>32,638</b>	<b>30,443</b>	<b>29,657</b>	<b>375,242</b>
Czech Republic	601	563	638	553	611	517	554	571	470	573	560 E	540 E	6,751
Hungary	138	133	162	109	109	155	165	137	145	169	160	170 E	1,752
Poland	767	789	813	865	857	765	873	833	784	865	866	820 E	9,897
Romania	375	447	402	448	498	455	472	461	455	475	438	410 E	5,334
Slovak Republic	354	317	303	352	282	295	334	369	364	350	340 E	340 E	4,000
<b>Eastern Europe</b>	<b>2,235</b>	<b>2,249</b>	<b>2,318</b>	<b>2,327</b>	<b>2,357</b>	<b>2,187</b>	<b>2,398</b>	<b>2,371</b>	<b>2,218</b>	<b>2,432</b>	<b>2,364</b>	<b>2,280</b>	<b>27,734</b>
former G.D.R. (3)	255	202	283	290	68	280	247	293	320	345	315	243	3,141



Table 3A  
(continued)

MONTHLY CRUDE STEEL PRODUCTION

thousand metric tons

Year: 1993

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Belarus	53	70	65	66	56	67	72	58	67	73	56	63	766
Kazakhstan	385	333	376	394	379	350	403	383	317	345	311	303	4,279
Russia	5,144	4,907	5,422	5,155	5,367	5,123	5,109	4,843	4,562	4,409	4,137	4,058	58,236
Ukraine	2,832	2,687	2,996	2,934	2,978	2,237	2,524	2,739	2,193	2,411	2,071	1,935	30,537
Uzbekistan	53	52	54	59	47	51	48	44	42	45	41	37	573
<b>C.I.S.</b>	<b>8,467</b>	<b>8,049</b>	<b>8,913</b>	<b>8,608</b>	<b>8,927</b>	<b>7,928</b>	<b>8,156</b>	<b>8,067</b>	<b>7,181</b>	<b>7,283</b>	<b>6,616</b>	<b>6,396</b>	<b>94,391</b>
Azerbaijan	26	21	20	22	23	23	19	13	18	20	16	7	228
Georgia	9	6	9	13	17	34	25	22	22	23	23	12	215
Moldova	43	36	53	57	60	54	52	38	49	48	57	57	604
<b>former U.S.S.R.</b>	<b>8,545</b>	<b>8,112</b>	<b>8,995</b>	<b>8,700</b>	<b>8,927</b>	<b>7,939</b>	<b>8,252</b>	<b>8,140</b>	<b>7,270</b>	<b>7,374</b>	<b>6,712</b>	<b>6,472</b>	<b>95,438</b>
Argentina	215	167	237	250	261	254	248	219	262	264	244	230 E	2,851
Brazil	1,999	1,875	2,005	2,080	2,151	2,142	2,193	2,216	2,142	2,186	2,130	2,028	25,149
Chile	84	79	89	86	86	88	94	96	96	97	86	90 E	1,071
Colombia	47	54	51	51	40	44	70	70	72	72	72	70 E	714
Mexico	719	672	826	752	778	741	768	658	776	774	775 E	760 E	8,998
Peru	35	28	37	8	48	40	33	41	32	40	39	50 E	430
Trinidad and Tobago	45	37	51	46	44	36	0	30	53	49	45	50 E	485
Venezuela	295	282	247	289	290	253	298	299	285	277	276	260 E	3,349
Other Latin America (4)	10	13	16	15	14	19	18	17	19	20 E	20	20 E	200
<b>Total Latin America</b>	<b>3,449</b>	<b>3,208</b>	<b>3,558</b>	<b>3,575</b>	<b>3,713</b>	<b>3,617</b>	<b>3,722</b>	<b>3,646</b>	<b>3,737</b>	<b>3,778</b>	<b>3,687</b>	<b>3,558</b>	<b>43,246</b>
Iran	266	271	278	270	286	308	340	319	345	290	325	373	3,672
Qatar	54	31	53	53	61	53	54	52	52	51	52	54	620
Saudi Arabia	193	179	194	192	197	191	198	202	190	205	203	213	2,357
Egypt	247	221	232	235	242	227	227	234	236	233	237	239	2,811
Libya	111	83	70	82	91	99	96	0	77	99	56	96	960
Tunisia	17	15	16	15	16	15	14	13	16	15	15	15	182
Zimbabwe	22	25	27	21	18	13	15	12	13	18	19	19	222
India	1,647	1,510	1,673	1,553	1,504	1,456	1,564	1,496	1,504	1,534	1,504	1,586	18,531
R.o.Korea	2,591	2,477	2,789	2,708	2,798	2,727	2,840	2,792	2,709	2,825	2,866	2,893	33,016
Taiwan (R.o.C.)	955	913	1,050	1,035	993	999	988	1,017	1,006	986	980 E	1,010 E	11,932
<b>Total Developing Cts.</b>	<b>9,552</b>	<b>8,932</b>	<b>9,941</b>	<b>9,740</b>	<b>9,918</b>	<b>9,704</b>	<b>10,057</b>	<b>9,783</b>	<b>9,884</b>	<b>10,034</b>	<b>9,944</b>	<b>10,058</b>	<b>117,548</b>
P.R. China	6,839	6,891	7,558	7,354	7,502	7,738	7,442	7,479	7,536	7,823	7,597	7,694	89,453
Cuba	9 E	8 E	9 E	8 E	7	7	8	1	8	7	7 E	5 E	83
<b>Total 67 countries</b>	<b>57,793</b>	<b>55,569</b>	<b>61,593</b>	<b>60,133</b>	<b>61,706</b>	<b>60,178</b>	<b>59,017</b>	<b>57,490</b>	<b>58,479</b>	<b>60,308</b>	<b>57,067</b>	<b>56,165</b>	<b>705,498</b>

E - estimated

(1) - including former G.D.R.

(2) - Serbia and Montenegro.

(3) - not included in totals.

(4) - Dominican Rep., Ecuador, El Salvador, Guatemala, Honduras, Paraguay, and Uruguay.

Table 4

## CRUDE STEEL PRODUCTION BY PROCESS

Year: 1991

	thousand metric tons					percentage of total production				
	B.O.F.	E.A.F.	O.H.	Other	Total	B.O.F.	E.A.F.	O.H.	Other	Total
Belgium	10,299	1,032			11,331	90.9	9.1			100.0
Denmark		632			632		100.0			100.0
France	13,112	5,322			18,434	71.1	28.9			100.0
F.R. Germany	32,842	8,559	768		42,169	77.9	20.3	1.8		100.0
Greece		980			980		100.0			100.0
Ireland		293			293		100.0			100.0
Italy	10,419	14,691			25,110	41.5	58.5			100.0
Luxembourg	3,379				3,379	100.0				100.0
Netherlands	4,943	228			5,171	95.6	4.4			100.0
Portugal	229	312			541	42.3	57.7			100.0
Spain	5,619	7,313			12,932	43.5	56.5			100.0
United Kingdom	12,540	3,934			16,474	76.1	23.9			100.0
<b>European Union</b>	<b>93,382</b>	<b>43,296</b>	<b>768</b>		<b>137,446</b>	<b>67.9</b>	<b>31.5</b>	<b>0.6</b>		<b>100.0</b>
Austria	3,896	290			4,186	93.1	6.9			100.0
Bosnia -Herzegovina	430	80	260		770	55.8	10.4	33.8		100.0
Croatia		120	94		214		56.1	43.9		100.0
Finland	2,478	412			2,890	85.7	14.3			100.0
Macedonia		222			222		100.0			100.0
Norway		438			438		100.0			100.0
Slovenia		373			373		100.0			100.0
Sweden	2,811	1,441			4,252	66.1	33.9			100.0
Switzerland		955			955		100.0			100.0
Turkey	3,652	4,991	693		9,336	39.1	53.5	7.4		100.0
Yugoslavia	1,018	808	351		2,177	46.8	37.1	16.1		100.0
F.R. Yugoslavia		725			725		100.0			100.0
<b>Other Western Europe</b>	<b>13,855</b>	<b>9,335</b>	<b>1,044</b>		<b>24,234</b>	<b>57.2</b>	<b>38.5</b>	<b>4.3</b>		<b>100.0</b>
<b>Western Europe</b>	<b>107,237</b>	<b>52,631</b>	<b>1,812</b>		<b>161,680</b>	<b>66.3</b>	<b>32.6</b>	<b>1.1</b>		<b>100.0</b>
Albania (E)		16			16		100.0			100.0
Bulgaria	810	650	155		1,615	50.2	40.2	9.6		100.0
Czechoslovakia	9,524	1,319	1,228		12,071	78.9	10.9	10.2		100.0
Hungary	1,322	112	497		1,931	68.5	5.8	25.7		100.0
Poland	5,746	2,019	2,628	15	10,408	55.2	19.4	25.2	0.1	100.0
Romania	3,875	1,953	1,288		7,116	54.5	27.4	18.1		100.0
<b>Eastern Europe</b>	<b>21,277</b>	<b>6,069</b>	<b>5,796</b>	<b>15</b>	<b>33,157</b>	<b>64.2</b>	<b>18.3</b>	<b>17.5</b>	<b>0.0</b>	<b>100.0</b>
<b>Europe</b>	<b>128,514</b>	<b>58,700</b>	<b>7,608</b>	<b>15</b>	<b>194,837</b>	<b>66.0</b>	<b>30.1</b>	<b>3.9</b>	<b>0.0</b>	<b>100.0</b>
Belarus		803			803		100.0			100.0
Russia	24,242	12,366			36,608	66.2	33.8			100.0
Ukraine	18,013	3,302			21,315	84.5	15.5			100.0
<b>C.I.S.</b>	<b>42,255</b>	<b>16,471</b>			<b>58,726</b>	<b>72.0</b>	<b>28.0</b>			<b>100.0</b>
Latvia		9	365		374		2.4	97.6		100.0
Moldova		618			618		100.0			100.0
<b>former U.S.S.R.</b>	<b>46,917</b>	<b>18,318</b>	<b>67,548</b>	<b>56</b>	<b>132,839</b>	<b>35.3</b>	<b>13.8</b>	<b>50.8</b>	<b>0.0</b>	<b>100.0</b>
Canada	8,814	4,173			12,987	67.9	32.1			100.0
United States	47,821	30,640	1,278		79,738	60.0	38.4	1.6		100.0
<b>North America</b>	<b>56,635</b>	<b>34,813</b>	<b>1,278</b>		<b>92,725</b>	<b>61.1</b>	<b>37.5</b>	<b>1.4</b>		<b>100.0</b>

**Table 4**  
(continued)

**CRUDE STEEL PRODUCTION BY PROCESS**

Year: 1991

	thousand metric tons					percentage of total production				
	B.O.F.	E.A.F.	O.H.	Other	Total	B.O.F.	E.A.F.	O.H.	Other	Total
Argentina	1,397	1,575			2,972	47.0	53.0			100.0
Brazil	17,934	4,274		409	22,617	79.3	18.9		1.8	100.0
Central America		81			81		100.0			100.0
Chile	757	50			807	93.8	6.2			100.0
Colombia	305	347			652	46.8	53.2			100.0
Cuba			180		180			100.0		100.0
Ecuador		21			21		100.0			100.0
Mexico	3,125	4,577	262		7,964	39.2	57.5	3.3		100.0
Paraguay	61				61	100.0				100.0
Peru	193	211			404	47.7	52.3			100.0
Trinidad & Tobago		445			445		100.0			100.0
Uruguay		41			41		100.0			100.0
Venezuela		3,304			3,304		100.0			100.0
<b>Latin America</b>	<b>23,771</b>	<b>14,926</b>	<b>442</b>	<b>409</b>	<b>39,548</b>	<b>60.1</b>	<b>37.7</b>	<b>1.1</b>	<b>1.0</b>	<b>100.0</b>
Algeria	1,258	75	60		1,393	90.3	5.4	4.3		100.0
Egypt	1,002	1,397	157		2,556	39.2	54.7	6.1		100.0
Kenya		20			20		100.0			100.0
Libya		718			718		100.0			100.0
Nigeria		250			250		100.0			100.0
South Africa	5,856	3,397		105	9,358	62.6	36.3		1.1	100.0
Tunisia	156	37			193	80.8	19.2			100.0
Zimbabwe	581				581	100.0				100.0
Other Africa (E)		70			70		100.0			100.0
<b>Africa</b>	<b>8,853</b>	<b>5,964</b>	<b>217</b>	<b>105</b>	<b>15,139</b>	<b>58.5</b>	<b>39.4</b>	<b>1.4</b>	<b>0.7</b>	<b>100.0</b>
Iran (E)	1,655	548			2,203	75.1	24.9			100.0
Israel		90			90		100.0			100.0
Qatar		564			564		100.0			100.0
Saudi Arabia		1,783			1,783		100.0			100.0
Other Middle East (E)		100			100		100.0			100.0
<b>Middle East</b>	<b>1,655</b>	<b>3,085</b>			<b>4,740</b>	<b>34.9</b>	<b>65.1</b>			<b>100.0</b>
Bangladesh			120		120			100.0		100.0
P.R. China	42,796	15,004	13,092	108	71,000	60.3	21.1	18.4	0.2	100.0
Hong Kong (E)		150			150		100.0			100.0
India	7,476	4,783	4,841		17,100	43.7	28.0	28.3		100.0
Indonesia		3,089			3,089		100.0			100.0
Japan	75,217	34,432			109,649	68.6	31.4			100.0
D.P.R. Korea (E)	2,100	3,100	1,800		7,000	30.0	44.3	25.7		100.0
R.o.Korea	18,423	7,578			26,001	70.9	29.1			100.0
Malaysia	157	973			1,130	13.9	86.1			100.0
Pakistan (E)	1,150	50			1,200	95.8	4.2			100.0
Philippines		605			605		100.0			100.0
Singapore		510			510		100.0			100.0
Taiwan (R.o.C.)	5,829	4,942		201	10,973	53.1	45.0		1.8	100.0
Thailand		711			711		100.0			100.0
Viet Nam		183			183		100.0			100.0
Other Asia (E)		70			70		100.0			100.0
<b>Asia</b>	<b>153,148</b>	<b>76,180</b>	<b>19,853</b>	<b>309</b>	<b>249,491</b>	<b>61.4</b>	<b>30.5</b>	<b>8.0</b>	<b>0.1</b>	<b>100.0</b>
Australia	5,719	465			6,184	92.5	7.5			100.0
New Zealand	560	246			806	69.5	30.5			100.0
<b>Oceania</b>	<b>6,279</b>	<b>711</b>			<b>6,990</b>	<b>89.8</b>	<b>10.2</b>			<b>100.0</b>
<b>World</b>	<b>425,772</b>	<b>212,697</b>	<b>96,946</b>	<b>894</b>	<b>736,310</b>	<b>57.8</b>	<b>28.9</b>	<b>13.2</b>	<b>0.1</b>	<b>100.0</b>
of which:										
Total Industrial Cts.	251,223	125,984	3,090	105	380,401	66.0	33.1	0.8	0.0	100.0
Total Developing Cts.	61,459	44,040	5,440	610	111,549	55.1	39.5	4.9	0.5	100.0
Total Western World	312,682	170,023	8,530	715	491,951	63.6	34.6	1.7	0.1	100.0
Total C.P.E.s/E.i.T.s	113,090	42,674	88,416	179	244,359	46.3	17.5	36.2	0.1	100.0

E - estimate

Shaded figures are not included in totals. The totals are of available data only. Discrepancies exist between the crude steel production totals shown here, and those shown in Table 2.

Table 4  
(continued)

CRUDE STEEL PRODUCTION BY PROCESS

Year: 1992

	thousand metric tons					percentage of total production				
	B.O.F.	E.A.F.	O.H.	Other	Total	B.O.F.	E.A.F.	O.H.	Other	Total
Belgium	9,275	1,055			10,330	89.8	10.2			100.0
Denmark		591			591		100.0			100.0
France	12,551	5,410			17,961	69.9	30.1			100.0
F.R. Germany	30,612	8,581	518		39,711	77.1	21.6	1.3		100.0
Greece		924			924		100.0			100.0
Ireland		257			257		100.0			100.0
Italy	10,165	14,671			24,836	40.9	59.1			100.0
Luxembourg	3,068				3,068	100.0				100.0
Netherlands	5,196	243			5,439	95.5	4.5			100.0
Portugal	415	334			749	55.4	44.6			100.0
Spain	4,995	7,277			12,272	40.7	59.3			100.0
United Kingdom	12,092	4,120			16,212	74.6	25.4			100.0
<b>European Union</b>	<b>88,369</b>	<b>43,463</b>	<b>518</b>		<b>132,350</b>	<b>66.8</b>	<b>32.8</b>	<b>0.4</b>		<b>100.0</b>
Austria	3,592	361			3,953	90.9	9.1			100.0
Bosnia -Herzegovina	164	5	91		260	63.1	1.9	35.0		100.0
Croatia		102			102		100.0			100.0
Finland	2,558	519			3,077	83.1	16.9			100.0
Macedonia	29	173			202	14.4	85.6			100.0
Norway		446			446		100.0			100.0
Slovenia		401			401		100.0			100.0
Sweden	2,808	1,550			4,358	64.4	35.6			100.0
Switzerland		1,050			1,050		100.0			100.0
Turkey	4,246	6,097			10,343	41.1	58.9			100.0
F.R. Yugoslavia	513	154			667	76.9	23.1			100.0
<b>Other Western Europe</b>	<b>13,910</b>	<b>10,858</b>	<b>91</b>		<b>24,859</b>	<b>56.0</b>	<b>43.7</b>	<b>0.4</b>		<b>100.0</b>
<b>Western Europe</b>	<b>102,279</b>	<b>54,321</b>	<b>609</b>		<b>157,209</b>	<b>65.1</b>	<b>34.6</b>	<b>0.4</b>		<b>100.0</b>
Bulgaria	922	630			1,552	59.4	40.6			100.0
Czechoslovakia	9,118	745	981		10,844	84.1	6.9	9.0		100.0
Czech Republic	5,521	622	981		7,124	77.5	8.7	13.8		100.0
Hungary	1,338	55	140		1,533	87.3	3.6	9.1		100.0
Poland	6,248	1,767	1,820		9,835	63.5	18.0	18.5		100.0
Romania	2,828	1,653	890		5,371	52.7	30.8	16.6		100.0
Slovak Republic	3,597	123			3,720	96.7	3.3			100.0
<b>Eastern Europe</b>	<b>20,454</b>	<b>4,850</b>	<b>3,831</b>		<b>29,135</b>	<b>70.2</b>	<b>16.6</b>	<b>13.1</b>		<b>100.0</b>
<b>Europe</b>	<b>122,733</b>	<b>59,171</b>	<b>4,440</b>		<b>186,344</b>	<b>65.9</b>	<b>31.8</b>	<b>2.4</b>		<b>100.0</b>
Belarus		1,105			1,105		100.0			100.0
Kazakhstan	4,230	40	1,400		5,670	74.6	0.7	24.7		100.0
Russia	23,100	9,400	34,500		67,000	34.5	14.0	51.5		100.0
Ukraine	16,597	3,181	21,963		41,741	39.8	7.6	52.6		100.0
Uzbekistan		440	190		630		69.8	30.2		100.0
<b>C.I.S.</b>	<b>43,927</b>	<b>14,166</b>	<b>58,053</b>		<b>116,146</b>	<b>37.8</b>	<b>12.2</b>	<b>50.0</b>		<b>100.0</b>
Azerbaijan			385		385			100.0		100.0
Georgia		30	500		530		5.7	94.3		100.0
Latvia		7	239		246		2.8	97.2		100.0
Moldova		619			619		100.0			100.0
<b>former U.S.S.R.</b>	<b>43,927</b>	<b>14,822</b>	<b>59,177</b>		<b>117,926</b>	<b>37.2</b>	<b>12.6</b>	<b>50.2</b>		<b>100.0</b>
Canada	9,282	4,558			13,840	67.1	32.9			100.0
United States	52,292	32,031			84,322	62.0	38.0			100.0
<b>North America</b>	<b>61,574</b>	<b>36,589</b>			<b>98,162</b>	<b>62.7</b>	<b>37.3</b>			<b>100.0</b>

Table 4  
(continued)

CRUDE STEEL PRODUCTION BY PROCESS

Year: 1992

	thousand metric tons					percentage of total production				
	B.O.F.	E.A.F.	O.H.	Other	Total	B.O.F.	E.A.F.	O.H.	Other	Total
Argentina	1,004	1,657			2,661	37.7	62.3			100.0
Brazil	18,848	4,638		448	23,934	78.7	19.4		1.9	100.0
Central America		89			89		100.0			100.0
Chile	963	49			1,012	95.2	4.8			100.0
Colombia	292	365			657	44.4	55.6			100.0
Cuba			121		121			100.0		100.0
Ecuador		19			19		100.0			100.0
Mexico	3,744	4,691			8,435	44.4	55.6			100.0
Paraguay	86				86	100.0				100.0
Peru	143	199			342	41.8	58.2			100.0
Trinidad & Tobago		516			516		100.0			100.0
Uruguay		53			53		100.0			100.0
Venezuela		3,443			3,443		100.0			100.0
<b>Latin America</b>	<b>25,080</b>	<b>15,719</b>	<b>121</b>	<b>448</b>	<b>41,368</b>	<b>60.6</b>	<b>38.0</b>	<b>0.3</b>	<b>1.1</b>	<b>100.0</b>
Algeria	1,260	80	60		1,400	90.0	5.7	4.3		100.0
Egypt	894	1,483	147		2,524	35.4	58.8	5.8		100.0
Kenya		20			20		100.0			100.0
Libya		822			822		100.0			100.0
Nigeria		200			200		100.0			100.0
South Africa	5,746	3,225		91	9,061	63.4	35.6		1.0	100.0
Tunisia	141	40			181	77.9	22.1			100.0
Zimbabwe	547				547	100.0				100.0
Other Africa (E)		70			70		100.0			100.0
<b>Africa</b>	<b>8,588</b>	<b>5,939</b>	<b>207</b>	<b>91</b>	<b>14,825</b>	<b>57.9</b>	<b>40.1</b>	<b>1.4</b>	<b>0.6</b>	<b>100.0</b>
Iran (E)	2,200	740			2,939	74.8	25.2			100.0
Israel		109			109		100.0			100.0
Qatar		575			575		100.0			100.0
Saudi Arabia		1,823			1,823		100.0			100.0
Other Middle East (E)		100			100		100.0			100.0
<b>Middle East</b>	<b>2,200</b>	<b>3,347</b>			<b>5,546</b>	<b>39.7</b>	<b>60.3</b>			<b>100.0</b>
Bangladesh			100		100			100.0		100.0
P.R. China	49,160	17,626	13,992	157	80,935	60.7	21.8	17.3	0.2	100.0
Hong Kong (E)		150			150		100.0			100.0
India	8,246	5,107	4,763	1	18,117	45.5	28.2	26.3	0.0	100.0
Indonesia		2,949			2,949		100.0			100.0
Japan	67,144	30,988			98,132	68.4	31.6			100.0
D.P.R. Korea (E)	2,100	3,100	1,800		7,000	30.0	44.3	25.7		100.0
R.o.Korea	19,587	8,467			28,054	69.8	30.2			100.0
Malaysia	162	1,397			1,559	10.4	89.6			100.0
Pakistan (E)	950	50			1,000	95.0	5.0			100.0
Philippines		417		80	497		83.9		16.1	100.0
Singapore		482			482		100.0			100.0
Taiwan (R.o.C.)	5,421	5,229		56	10,705	50.6	48.8		0.5	100.0
Thailand		929			929		100.0			100.0
Viet Nam		184		35	219		84.0		16.0	100.0
Other Asia (E)		70			70		100.0			100.0
<b>Asia</b>	<b>152,769</b>	<b>77,144</b>	<b>20,655</b>	<b>329</b>	<b>250,897</b>	<b>60.9</b>	<b>30.7</b>	<b>8.2</b>	<b>0.1</b>	<b>100.0</b>
Australia	6,385	418			6,803	93.9	6.1			100.0
New Zealand (E)	530	230			760	69.7	30.3			100.0
<b>Oceania</b>	<b>6,915</b>	<b>648</b>			<b>7,563</b>	<b>91.4</b>	<b>8.6</b>			<b>100.0</b>
<b>World</b>	<b>423,785</b>	<b>213,379</b>	<b>84,600</b>	<b>868</b>	<b>722,632</b>	<b>58.6</b>	<b>29.5</b>	<b>11.7</b>	<b>0.1</b>	<b>100.0</b>
of which:										
Total Industrial Cts.	243,657	125,770	609	91	370,127	65.8	34.0	0.2	0.0	100.0
Total Developing Cts.	64,488	47,027	5,070	585	117,169	55.0	40.1	4.3	0.5	100.0
Total Western World	308,145	172,797	5,679	676	487,297	63.2	35.5	1.2	0.1	100.0
Total C.P.E.s/E.i.T.s	115,641	40,582	78,921	192	235,335	49.1	17.2	33.5	0.1	100.0

E - estimate

Shaded figures are not included in totals. The totals are of available data only. Discrepancies exist between the crude steel production totals shown here, and those shown in Table 2.

Table 5

## CONTINUOUSLY CAST STEEL

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	3,903	5,597	6,412	7,036	8,391	9,871	9,951	10,469	10,445	9,695
Denmark	480	545	528	632	606	650	624	610	632	591
France	11,218	12,708	15,168	16,094	16,475	17,969	18,156	17,940	17,516	17,106
F.R. Germany (1)	25,654	30,294	32,208	31,404	31,898	36,325	36,875	35,091	37,759	36,534
Greece	866	936	985	1,009	907	959	956	999	980	924
Ireland	141	166	203	208	220	271	324	326	293	257
Italy	14,886	17,638	18,794	19,227	20,547	22,074	23,731	24,148	23,924	23,884
Luxembourg	794	1,044	1,117	1,282	1,238	1,252	1,246	1,215	1,171	1,277
Netherlands	1,610	2,220	2,155	2,258	3,302	4,171	4,949	5,061	4,912	5,194
Portugal	291	277	293	319	332	375	372	382	524	741
Spain	5,965	6,666	8,084	7,267	7,797	8,843	10,979	11,567	11,875	11,445
United Kingdom	6,986	7,858	8,620	8,903	11,294	13,356	15,031	14,909	14,085	13,958
<b>European Union</b>	<b>72,794</b>	<b>85,949</b>	<b>94,567</b>	<b>95,639</b>	<b>103,007</b>	<b>116,116</b>	<b>123,194</b>	<b>122,717</b>	<b>124,115</b>	<b>121,606</b>
Austria	3,862	4,336	4,352	4,061	4,117	4,357	4,515	4,113	4,066	3,821
Bosnia -Herzegovina										164
Croatia									170	85
Finland	2,259	2,485	2,355	2,440	2,508	2,628	2,746	2,798	2,873	3,062
Norway	320	471	525	474	459	486	409	330	419	446
Slovenia									279	297
Sweden	3,354	3,744	3,880	3,858	3,842	3,967	3,862	3,820	3,731	3,739
Switzerland	835	978	987	1,075	866	988	916	963	955	1,050
Turkey	2,438	3,118	3,197	4,614	5,576	6,752	6,420	7,627	8,563	9,658
Yugoslavia	2,133	2,194	2,395	2,415	2,388	2,776	2,876	2,535	2,231	
F.R. Yugoslavia										575
<b>Other Western Europe</b>	<b>15,201</b>	<b>17,326</b>	<b>17,691</b>	<b>18,937</b>	<b>19,756</b>	<b>21,954</b>	<b>21,744</b>	<b>22,186</b>	<b>22,838</b>	<b>22,897</b>
<b>Western Europe</b>	<b>87,995</b>	<b>103,275</b>	<b>112,258</b>	<b>114,576</b>	<b>122,763</b>	<b>138,070</b>	<b>144,938</b>	<b>144,903</b>	<b>146,953</b>	<b>144,503</b>
Bulgaria	197	288	273	404	377	446	450	429	303	356
Czechoslovakia	766	1,077	1,156	1,246	1,310	1,338	1,422	1,707	2,057	2,447
German Dem. Rep.	1,308	1,937	2,649	2,908	3,101	3,219	3,211	2,290		
Hungary	1,420	1,757	1,698	1,937	2,023	2,263	1,842	2,162	1,596	1,413
Poland	653	1,663	1,660	1,820	1,889	1,874	1,162	1,041	890	758
Romania	3,280	4,366	4,127	4,549	4,848	4,509	4,924	3,533	2,832	2,000
<b>Eastern Europe</b>	<b>7,624</b>	<b>11,088</b>	<b>11,563</b>	<b>12,864</b>	<b>13,548</b>	<b>13,649</b>	<b>13,011</b>	<b>11,162</b>	<b>7,678</b>	<b>6,974</b>
<b>Europe</b>	<b>95,619</b>	<b>114,363</b>	<b>123,821</b>	<b>127,440</b>	<b>136,311</b>	<b>151,719</b>	<b>157,949</b>	<b>156,065</b>	<b>154,631</b>	<b>151,477</b>
Russia								20,700	17,652	18,700
Ukraine								4,120	3,510	3,129
<b>C.I.S.</b>								<b>24,820</b>	<b>21,162</b>	<b>21,829</b>
Latvia									365	239
<b>former U.S.S.R.</b>	<b>18,900</b>	<b>19,600</b>	<b>21,022</b>	<b>24,051</b>	<b>26,108</b>	<b>27,085</b>	<b>27,622</b>	<b>27,657</b>	<b>23,451</b>	<b>22,068</b>
Canada	4,802	5,647	6,384	6,456	7,216	10,300	11,760	9,426	10,851	12,056
United States	24,652	33,266	35,527	40,882	48,339	55,549	57,553	60,458	60,478	66,876
<b>North America</b>	<b>29,454</b>	<b>38,913</b>	<b>41,911</b>	<b>47,338</b>	<b>55,555</b>	<b>65,849</b>	<b>69,313</b>	<b>69,884</b>	<b>71,329</b>	<b>78,932</b>

**Table 5**  
(continued)

**CONTINUOUSLY CAST STEEL**

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Argentina	1,429	1,254	1,839	2,100	2,372	2,478	2,863	2,770	2,422	2,170
Brazil	6,505	7,589	8,949	9,782	10,123	12,075	13,517	12,023	12,675	13,855
Central America	51	94	94	128	122	107	88	78	81	89
Chile	8	11	13	13	13	15	16	17	20	25
Colombia	208	220	255	292	333	374	381	380	322	340
Ecuador	23	18	18	17	25	23	23	20	20	19
Mexico	3,849	4,082	3,774	3,416	4,143	4,348	4,564	5,312	5,132	5,440
Paraguay					13	62	55	48	61	86
Peru	164	165	181	260	259	238	218	180	273	230
Trinidad & Tobago	210	187	172	336	388	374	347	371	445	532
Uruguay	23	41	39	31	30	30	37	35	41	50
Venezuela	1,817	2,021	2,214	2,600	2,943	2,873	2,502	2,367	3,042	3,320
<b>Latin America</b>	<b>14,288</b>	<b>15,682</b>	<b>17,548</b>	<b>18,974</b>	<b>20,765</b>	<b>22,998</b>	<b>24,611</b>	<b>23,599</b>	<b>24,535</b>	<b>26,156</b>
Egypt	626	695	759	746	1,369	1,707	1,739	2,166	2,285	2,270
Libya								492	718	822
Nigeria	163	162	232	126	130	139	128	139	109	80 E
South Africa	4,316	4,758	5,500	5,684	5,746	6,153	6,854	6,350	7,098	7,225
Tunisia	163	166	160	182	188	159	187	177	193	181
Zimbabwe	82	47	103	91	92	128	103	119	101	100
<b>Africa</b>	<b>5,350</b>	<b>5,828</b>	<b>6,754</b>	<b>6,829</b>	<b>7,525</b>	<b>8,287</b>	<b>9,010</b>	<b>9,443</b>	<b>10,504</b>	<b>10,678</b>
Iran								1,403	2,203	2,937
Israel	83	92	100	110	116	99	100	135	90	109
Qatar	480	488	533	507	491	527	563	564	564	575
Saudi Arabia	275	842	1,106	1,100	1,365	1,614	1,768	1,790	1,783	1,823
<b>Middle East</b>	<b>838</b>	<b>1,422</b>	<b>1,739</b>	<b>1,717</b>	<b>1,972</b>	<b>2,240</b>	<b>2,431</b>	<b>3,891</b>	<b>4,640</b>	<b>5,444</b>
P.R. China	3,585	4,605	5,069	6,232	7,243	8,719	10,051	14,807	18,835	24,282
India			495	821	1,038	1,390	1,661	1,834	2,438	3,012
Indonesia	710	943	1,136	1,548	1,869	1,936	2,284	2,795	3,028	2,949
Japan	83,819	94,097	95,940	91,113	91,916	98,367	100,856	103,659	103,532	93,591
R.o.Korea	6,739	7,903	8,574	10,349	14,017	16,885	20,575	22,218	25,053	27,144
Malaysia									1,130	1,559
Philippines									505	408
Singapore	288	352	360	370	422	413	476	489	510	482
Taiwan (R.o.C.)	4,250	4,277	4,411	4,894	5,155	7,754	8,423	9,370	10,389	10,367
Thailand									711	779
<b>Asia</b>	<b>99,391</b>	<b>112,177</b>	<b>115,985</b>	<b>115,327</b>	<b>121,660</b>	<b>135,464</b>	<b>144,326</b>	<b>155,172</b>	<b>166,130</b>	<b>164,573</b>
Australia	1,398	1,701	1,792	1,800	2,713	4,568	5,390	5,569	5,049	5,863
New Zealand	234	280	227	287	409	560	682	719	806	758
<b>Oceania</b>	<b>1,632</b>	<b>1,981</b>	<b>2,019</b>	<b>2,087</b>	<b>3,122</b>	<b>5,128</b>	<b>6,072</b>	<b>6,288</b>	<b>5,855</b>	<b>6,621</b>
<b>World</b>	<b>265,472</b>	<b>309,966</b>	<b>330,799</b>	<b>343,763</b>	<b>373,017</b>	<b>418,769</b>	<b>441,333</b>	<b>451,999</b>	<b>461,075</b>	<b>465,948</b>
of which:										
Total Industrial Cts.	207,216	243,024	257,628	260,798	279,102	313,566	328,033	331,084	334,767	330,872
Total Developing Cts.	28,147	31,649	35,517	39,818	47,016	55,750	62,617	67,290	76,344	81,752
Total Western World	235,363	274,673	293,145	300,616	326,118	369,316	390,649	398,373	411,111	412,624
Total C.P.E.s/E.i.T.s	30,109	35,293	37,654	43,147	46,899	49,453	50,684	53,626	49,964	53,324

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

E - estimate

Totals are of available data only.

Shaded figures are not included in totals.

**Table 5**  
(continued)

**CONTINUOUSLY CAST STEEL**  
percentage of total crude steel production

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	38.4	49.5	60.0	72.4	85.8	88.0	90.9	91.7	92.2	93.9
Denmark	97.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
France	63.8	66.9	80.6	90.1	93.1	94.0	93.9	94.3	95.0	95.2
F.R. Germany (1)	71.8	76.9	79.5	84.6	88.0	88.5	89.8	91.3	89.5	92.0
Greece	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Ireland	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Italy	68.2	73.3	78.6	84.0	89.9	92.9	94.1	94.8	95.3	96.1
Luxembourg	24.1	26.2	28.3	34.6	37.5	34.2	33.5	34.1	34.7	41.6
Netherlands	35.9	38.7	39.1	42.7	65.0	75.6	87.1	93.5	95.0	95.5
Portugal	43.2	40.1	44.1	44.9	45.4	46.2	48.8	51.3	96.9	98.9
Spain	45.9	49.4	57.0	61.2	66.7	74.4	86.0	89.4	91.8	93.3
United Kingdom	46.6	52.0	54.8	60.5	64.9	70.5	80.2	83.6	85.5	86.1
<b>European Union</b>	<b>59.1</b>	<b>63.9</b>	<b>69.7</b>	<b>76.1</b>	<b>81.4</b>	<b>84.2</b>	<b>87.9</b>	<b>89.7</b>	<b>90.3</b>	<b>91.9</b>
Austria	87.6	89.0	93.4	94.6	95.7	95.5	95.7	95.9	97.1	96.7
Bosnia -Herzegovina										63.0
Croatia									79.1	83.3
Finland	93.5	94.2	93.5	94.4	94.0	93.9	94.0	97.8	99.4	99.5
Norway	36.5	51.4	55.6	56.7	53.9	53.4	60.3	86.2	95.7	100.0
Slovenia									74.8	74.1
Sweden	79.7	79.6	80.6	81.9	83.6	83.0	82.3	85.8	87.8	85.8
Switzerland	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Turkey	63.6	72.0	65.7	77.8	79.2	84.6	82.3	81.8	85.7	93.4
Yugoslavia	51.6	51.8	53.5	53.4	54.7	61.9	63.9	67.7	97.2	
F.R. Yugoslavia										86.2
<b>Other Western Europe</b>	<b>73.4</b>	<b>76.4</b>	<b>76.0</b>	<b>79.1</b>	<b>80.0</b>	<b>82.8</b>	<b>82.9</b>	<b>85.3</b>	<b>86.2</b>	<b>92.9</b>
<b>Western Europe</b>	<b>61.1</b>	<b>65.7</b>	<b>70.6</b>	<b>76.5</b>	<b>81.2</b>	<b>84.0</b>	<b>87.1</b>	<b>89.0</b>	<b>89.6</b>	<b>92.0</b>
Bulgaria	7.0	10.0	9.3	13.9	12.4	15.5	15.5	19.6	18.8	22.9
Czechoslovakia	5.1	7.3	7.7	8.2	8.5	8.7	9.2	11.5	17.0	22.0
German Dem. Rep.	18.1	25.6	33.7	36.5	37.6	39.6	41.0	41.1		
Hungary	39.3	46.6	46.6	52.1	55.9	63.2	55.6	76.6	82.7	92.2
Poland	4.0	10.1	10.3	10.6	11.0	11.1	7.7	7.7	8.6	7.7
Romania	26.0	30.2	29.9	31.9	32.4	31.5	34.2	36.2	39.8	37.2
<b>Eastern Europe</b>	<b>13.3</b>	<b>18.5</b>	<b>19.5</b>	<b>21.0</b>	<b>21.7</b>	<b>22.3</b>	<b>22.0</b>	<b>22.9</b>	<b>23.2</b>	<b>23.7</b>
<b>Europe</b>	<b>47.5</b>	<b>52.7</b>	<b>56.7</b>	<b>60.5</b>	<b>63.8</b>	<b>67.3</b>	<b>70.1</b>	<b>73.8</b>	<b>78.5</b>	<b>81.2</b>
Russia								26.2	22.9	27.9
Ukraine								7.3	7.8	7.5
<b>C.I.S.</b>								<b>18.9</b>	<b>17.3</b>	<b>20.1</b>
Latvia									97.6	97.2
<b>former U.S.S.R.</b>	<b>12.4</b>	<b>12.7</b>	<b>13.6</b>	<b>15.0</b>	<b>16.1</b>	<b>16.6</b>	<b>17.3</b>	<b>17.9</b>	<b>17.7</b>	<b>20.2</b>
Canada	37.4	38.4	43.6	45.8	49.0	69.3	76.1	76.8	83.5	87.1
United States	32.1	39.6	44.4	55.2	59.8	61.3	64.8	67.4	75.8	79.3
<b>North America</b>	<b>32.9</b>	<b>39.4</b>	<b>44.3</b>	<b>53.7</b>	<b>58.1</b>	<b>62.4</b>	<b>66.5</b>	<b>68.5</b>	<b>76.9</b>	<b>80.4</b>



**Table 5**  
(continued)

**CONTINUOUSLY CAST STEEL**  
percentage of total crude steel production

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Argentina	48.6	47.4	62.5	64.9	65.3	67.9	73.3	75.7	81.5	81.5
Brazil	44.2	41.3	43.7	46.1	45.5	49.0	53.9	58.5	56.0	57.9
Central America	85.6	92.1	93.1	95.7	94.6	92.2	90.4	96.1	99.5	100.0
Chile	1.3	1.6	1.9	1.8	1.8	1.6	2.0	2.2	2.5	2.5
Colombia	43.1	43.4	48.1	46.2	48.2	52.5	53.5	54.2	49.4	51.8
Ecuador	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	100.0
Mexico	55.2	54.0	51.0	47.3	54.2	55.9	58.1	60.8	64.4	64.5
Paraguay					100.0	100.0	100.0	100.0	100.2	99.8
Peru	54.9	49.0	45.5	53.5	52.4	55.5	59.9	66.7	67.6	67.3
Trinidad & Tobago	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	103.1
Uruguay	49.5	100.0	100.0	100.0	100.0	99.3	99.4	90.9	99.5	94.3
Venezuela	76.8	72.8	72.5	76.4	79.6	78.8	78.3	79.0	92.1	96.4
<b>Latin America</b>	<b>49.7</b>	<b>47.2</b>	<b>49.0</b>	<b>50.7</b>	<b>52.3</b>	<b>54.3</b>	<b>58.0</b>	<b>61.7</b>	<b>62.3</b>	<b>63.4</b>
Egypt	63.9	74.9	73.8	73.6	95.5	84.3	82.3	96.4	89.4	89.9
Libya								100.0	100.0	100.0
Nigeria	89.6	70.7	72.3	63.0	70.7	59.5	59.9	63.2	43.5	40.0 E
South Africa	60.1	61.5	64.7	63.9	63.9	69.6	73.4	73.7	75.9	79.7
Tunisia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	99.5
Zimbabwe	12.7	11.1	14.1	13.4	14.9	21.3	17.6	20.3	17.4	18.3
<b>Africa</b>	<b>58.5</b>	<b>61.5</b>	<b>62.8</b>	<b>62.3</b>	<b>65.9</b>	<b>69.9</b>	<b>72.5</b>	<b>76.5</b>	<b>76.9</b>	<b>80.1</b>
Iran								98.5	100.0	100.0
Israel	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Qatar	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Saudi Arabia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>Middle East</b>	<b>53.3</b>	<b>62.5</b>	<b>67.5</b>	<b>67.2</b>	<b>70.2</b>	<b>69.6</b>	<b>69.2</b>	<b>99.4</b>	<b>100.0</b>	<b>100.0</b>
P.R. China	9.0	10.6	10.8	11.9	12.9	14.7	16.3	22.3	26.5	30.0
India			4.1	6.7	7.9	9.7	11.4	12.3	14.3	16.6
Indonesia	72.3	80.6	82.7	89.5	90.8	94.3	95.8	96.6	98.0	100.0
Japan	86.3	89.1	91.1	92.7	93.3	93.1	93.5	93.9	94.4	95.4
R.o.Korea	56.6	60.6	63.3	71.1	83.5	88.3	94.1	96.1	96.4	96.8
Malaysia									100.0	100.0
Philippines									83.4	82.2
Singapore	94.4	97.2	98.6	94.9	95.7	95.6	96.2	100.0	100.0	100.0
Taiwan (R.o.C.)	84.6	86.7	85.1	88.3	89.3	93.6	93.1	96.1	94.7	96.8
Thailand									100.0	83.9
<b>Asia</b>	<b>60.0</b>	<b>62.6</b>	<b>62.9</b>	<b>62.4</b>	<b>63.0</b>	<b>64.7</b>	<b>66.2</b>	<b>68.1</b>	<b>69.0</b>	<b>67.9</b>
Australia	24.6	27.0	27.1	27.0	44.5	71.5	80.0	83.4	81.6	86.2
New Zealand	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>Oceania</b>	<b>27.6</b>	<b>30.1</b>	<b>29.5</b>	<b>30.0</b>	<b>48.0</b>	<b>73.8</b>	<b>81.9</b>	<b>85.0</b>	<b>83.8</b>	<b>87.6</b>
<b>World</b>	<b>40.6</b>	<b>44.2</b>	<b>46.7</b>	<b>49.0</b>	<b>51.5</b>	<b>54.5</b>	<b>57.1</b>	<b>59.6</b>	<b>63.3</b>	<b>66.3</b>
of which:										
Total Industrial Cts.	60.3	64.7	68.8	74.1	77.3	80.1	83.0	84.6	87.5	89.4
Total Developing Cts.	46.3	47.0	48.6	52.1	56.6	60.1	64.2	69.3	70.4	71.6
Total Western World	58.2	62.0	65.5	70.2	73.5	76.3	79.3	81.6	83.7	85.2
Total C.P.E.s/E.i.T.s	12.0	13.7	14.4	15.8	16.7	17.4	18.1	19.9	21.1	24.3

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

E - estimate

Totals are of available data only.

Shaded figures are not included in totals.

**Table 6**  
**Argentina**

**TOTAL DELIVERIES OF STEEL PRODUCTS**  
thousand metric tons

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes										
Ingots & Semis for sale	285	238	215	163	7	18	308	459	234	
Railway Track Material	21	21	64	29	25	35	4	7	2	
Structurals and Bar Mill Products:										
Heavy Structurals	66	44	50	69	50	45	25	52	63	
Bars & Light Shapes	222	151	142	246	192	199	157	277	293	
Re-inforcing Bars (1)	627	552	516	485	476	336	273	335	382	
<b>Total</b>	<b>915</b>	<b>747</b>	<b>708</b>	<b>800</b>	<b>718</b>	<b>580</b>	<b>455</b>	<b>664</b>	<b>738</b>	
Wire Rods	58	67	77	93	194	220	328	242	218	
Hot Rolled Strip	4	11	42	86	90	41	87	55	101	
Plates	207	272	148	217	153	47	62	105	114	
Sheet and Coil:										
Hot Rolled Sheet & Coil	214	75	30	60	147	242	139	283	341	
Cold Rolled Sheet & Coil	641	527	392	524	557	527	459	734	779	
Galvanised Sheet	152	127	94	88	120	128	21	0	0	
Other Coated Sheet	7	7	10	6	8	10	1	0	0	
<b>Total</b>	<b>1,014</b>	<b>736</b>	<b>526</b>	<b>678</b>	<b>832</b>	<b>907</b>	<b>620</b>	<b>1,017</b>	<b>1,120</b>	
Tinplate & Black Plate	71	43	52	87	79	94	89	85	90	
Wheels & Axles (rolled & forged) (2)	7	8	6	5	3	4	5	26	25	
Steel Tubes and Fittings (3)										
Drawn Wire	157	107	92	117	131	132	92	118	154	
Cold Rolled Strip	17	23	44	29	32	20	34	55	47	
Cold Drawn Bars (4)										
<b>Total Carbon Steels</b>	<b>2,756</b>	<b>2,273</b>	<b>1,974</b>	<b>2,304</b>	<b>2,264</b>	<b>2,098</b>	<b>2,084</b>	<b>3,157</b>	<b>3,261</b>	
Special Steel Grades (all products)	528	413	407	434	478	475	458	472*	557*	
<b>Total Steel Products</b>	<b>3,284</b>	<b>2,686</b>	<b>2,381</b>	<b>2,738</b>	<b>2,742</b>	<b>2,573</b>	<b>2,542</b>	<b>3,157</b>	<b>3,261</b>	

(1) Includes concrete reinforcing wire.

(2) Includes other forgings for railway wagons.

From 1986 read Forgings

\* - not included in totals to avoid double counting.

(3) Welded tubes included in plates, sheets and cold rolled strip.

(4) Included in special steels.

For 1988-92 see Table 6A

**Table 6**  
**Belgium**

**TOTAL DELIVERIES OF STEEL PRODUCTS**  
thousand metric tons

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	472	712	646	438	350	449	280	254	330	407
Railway Track Material	0	0	0	0	0	0	0	0	0	0
<b>Structurals and Bar Mill Products:</b>										
Heavy Structurals	462	519	488	529	491	433	506	516	72	46
Bars & Light Shapes	282	320	264	223	199	119	153	217	179	176
Re-inforcing Bars	262	202	205	200	138	125	80	20	29	32
<b>Total</b>	<b>1,006</b>	<b>1,041</b>	<b>957</b>	<b>952</b>	<b>828</b>	<b>677</b>	<b>739</b>	<b>753</b>	<b>280</b>	<b>254</b>
Wire Rods	572	503	570	607	530	465	451	420	534	543
Hot Rolled Strip	64	58	84	93	84	104	59	17	30	48
Plates	1,341	1,084	1,131	1,194	961	977	1,107	1,140	1,178	1,088
<b>Sheet and Coil:</b>										
Hot Rolled Sheet & Coil	2,002	2,147	2,541	2,584	2,430	2,662	3,057	2,993	3,753	3,732
Cold Rolled Sheet & Coil	1,542	1,444	1,692	1,888	1,856	1,966	2,246	2,287	2,184	1,954
Electrical Sheet	79	100	95	101	96	94	105	75	57	25
Galvanised Sheet (1)	626	679	734	747	724	741	971	1,139	1,215	1,124
Other Coated Sheet	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4,249</b>	<b>4,370</b>	<b>5,062</b>	<b>5,320</b>	<b>5,106</b>	<b>5,463</b>	<b>6,379</b>	<b>6,493</b>	<b>7,209</b>	<b>6,835</b>
Tinplate & Black Plate	418	473	572	531	479	495	445	380	354	390
Wheels & Axles (rolled & forged)	...	...	...	...	...	...	...	...	...	...
Steel Tubes and Fittings	...	...	...	...	...	...	...	...	...	...
Drawn Wire	...	...	...	...	...	...	...	...	...	...
Cold Rolled Strip	...	...	...	...	...	...	...	...	...	...
Cold Drawn Bars	...	...	...	...	...	...	...	...	...	...
<b>Total Carbon Steels</b>	<b>8,122</b>	<b>8,241</b>	<b>9,022</b>	<b>9,135</b>	<b>8,338</b>	<b>8,630</b>	<b>9,460</b>	<b>9,457</b>	<b>9,916</b>	<b>9,564</b>
Special Steel Grades (all products)	478	510	640	539	470	503	744	680	629	672
<b>Total Steel Products</b>	<b>8,600</b>	<b>8,751</b>	<b>9,662</b>	<b>9,674</b>	<b>8,808</b>	<b>9,133</b>	<b>10,204</b>	<b>10,137</b>	<b>10,545</b>	<b>10,236</b>

(1) Other Coated Sheet included with Galvanised Sheet.  
Excluding tonnages of coils re-exported after sub-contract rolling for other EC steelworks.

**Table 6**  
**Brazil**

**TOTAL DELIVERIES OF STEEL PRODUCTS**  
thousand metric tons

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	1,004	919	536	400	703	2,530	3,626	4,322	5,482	
Railway Track Material	108	113	57	104	76	88	110	96	57	
Structurals and Bar Mill Products:										
Heavy Structurals	212	243	219	162	129	142	176	555	559	
Bars & Light Shapes	698	728	521	537	645	819	828	1,375	1,121	
Re-inforcing Bars	1,587	1,682	1,796	1,722	1,794	2,218	2,393	2,225	2,089	
<b>Total</b>	<b>2,497</b>	<b>2,653</b>	<b>2,536</b>	<b>2,421</b>	<b>2,568</b>	<b>3,179</b>	<b>3,397</b>	<b>4,155</b>	<b>3,769</b>	
Wire Rods	256	307	383	420	429	484	796	1,942	1,992	
Hot Rolled Strip										
Plates	1,975	2,337	2,018	1,636	1,773	2,107	2,580	2,333	1,833	
Sheet and Coil:										
Hot Rolled Sheet & Coil	1,397	1,607	1,242	1,701	2,607	2,702	2,428	2,867	2,598	
Cold Rolled Sheet & Coil	1,719	1,920	1,554	1,703	1,987	2,015	1,964	2,846	2,918	
Electrical Sheet	21	37	29	45	41	53	62			
Galvanised Sheet	182	191	169	182	166	193	305	925	1,000	
Other Coated Sheet	39	31	49	63	93	123	137			
<b>Total</b>	<b>3,358</b>	<b>3,786</b>	<b>3,043</b>	<b>3,694</b>	<b>4,894</b>	<b>5,086</b>	<b>4,896</b>	<b>6,638</b>	<b>6,516</b>	
Tinplate & Black Plate	588	652	406	541	476	517	474			
Wheels & Axles (rolled & forged)										
Steel Tubes and Fittings	224	276	305	281	178	294	255	348	336	
Drawn Wire	35	1,012	839	920	798	923	978			
Cold Rolled Strip										
Cold Drawn Bars	45	67	46	41	43	70	51			
<b>Total Carbon Steels</b>	<b>10,090</b>	<b>12,122</b>	<b>10,169</b>	<b>10,458</b>	<b>11,938</b>	<b>15,278</b>	<b>17,163</b>	<b>19,834</b>	<b>19,985</b>	
Special Steel Grades (all products)	832	980	814	753	723	1,046	1,242			
<b>Total Steel Products</b>	<b>10,922</b>	<b>13,102</b>	<b>10,983</b>	<b>11,211</b>	<b>12,661</b>	<b>16,324</b>	<b>18,405</b>	<b>19,834</b>	<b>19,985</b>	

For 1986 and 1987, reporting basis has been changed; major categories of rolled products only are shown, and special steels are not separately identified. Tubes are seamless only.

For 1988-92 see Table 6A

**Table 6**  
**Canada**

**TOTAL DELIVERIES OF STEEL PRODUCTS**  
thousand metric tons

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	266	306	315	191	128	223	228	62	167	
Ingots & Semis for sale	234	508	682	334	620	316	141	208	185	
Railway Track Material	417	376	412	248	262	305	207	241	231	
Structurals and Bar Mill Products:										
Heavy Structurals	834	902	850	437	507	578	694	676	775	
Bars & Light Shapes	1,428	1,164	1,188	868	978	1,262	1,314	1,281	1,410	
Re-inforcing Bars	530	765	681	543	526	475	564	548	656	
<b>Total</b>	<b>2,792</b>	<b>2,831</b>	<b>2,719</b>	<b>1,848</b>	<b>2,011</b>	<b>2,315</b>	<b>2,572</b>	<b>2,505</b>	<b>2,841</b>	
Wire Rods	1,141	1,237	987	898	1,025	1,088	1,048	1,139	1,163	
Hot Rolled Strip (1)										
Plates	1,701	1,773	1,803	1,123	1,015	1,483	1,476	1,403	1,807	
Sheet and Coil:										
Hot Rolled Sheet & Coil	2,557	2,320	2,274	1,999	2,113	2,764	2,740	2,840	2,945	
Cold Rolled Sheet & Coil	1,937	1,849	1,761	1,710	1,784	1,870	1,918	1,889	1,921	
Electrical Sheet (2)										
Galvanised Sheet	1,066	997	951	930	950	1,072	1,212	1,244	1,346	
Other Coated Sheet (2)										
<b>Total</b>	<b>5,560</b>	<b>5,166</b>	<b>4,986</b>	<b>4,639</b>	<b>4,847</b>	<b>5,706</b>	<b>5,870</b>	<b>5,973</b>	<b>6,212</b>	
Tinplate & Black Plate (2)										
Wheels & Axles (rolled & forged)										
Steel Tubes and Fittings										
Drawn Wire										
Cold Rolled Strip (2)										
Cold Drawn Bars	119	98	95	68	90	123	119	131	143	
<b>Total Carbon Steels</b>	<b>12,230</b>	<b>12,295</b>	<b>11,999</b>	<b>9,349</b>	<b>9,998</b>	<b>11,559</b>	<b>11,661</b>	<b>11,662</b>	<b>12,749</b>	
Special Steel Grades (all products) (3)										
<b>Total Steel Products</b>	<b>12,230</b>	<b>12,295</b>	<b>11,999</b>	<b>9,349</b>	<b>9,998</b>	<b>11,559</b>	<b>11,661</b>	<b>11,662</b>	<b>12,749</b>	

- (1) Included with Hot Rolled Sheet and Coil.  
(2) Included with Cold Rolled Sheet and Coil.  
(3) Included with Carbon Steel grades.

For 1988-92 see Table 6A

**Table 6**  
**France**

**TOTAL DELIVERIES OF STEEL PRODUCTS**  
thousand metric tons

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	498	491	343	285	165	140	119	68	31	
Ingots & Semis for sale	260	334	190	269	404	528	813	671	624	
Railway Track Material	322	314	254	254	191	212	217	248	150	
Structurals and Bar Mill Products:										
Heavy Structurals	987	983	938	768	769	727	698	680	671	
Bars & Light Shapes	962	1,000	790	760	741	759	729	631	630	
Re-inforcing Bars	977	738	719	560	548	532	555	479	484	
<b>Total</b>	<b>2,926</b>	<b>2,721</b>	<b>2,447</b>	<b>2,088</b>	<b>2,058</b>	<b>2,018</b>	<b>1,982</b>	<b>1,790</b>	<b>1,785</b>	
Wire Rods	2,143	2,084	2,022	1,564	1,638	1,749	1,938	1,744	1,670	
Hot Rolled Strip	1,192	1,029	836	682	621	552	493	504	371	
Plates	2,112	2,455	2,564	1,540	1,590	1,618	1,675	1,504	1,638	
Sheet and Coil:										
Hot Rolled Sheet & Coil	1,425	1,320	1,462	1,079	1,429	1,611	1,519	1,701	1,850	
Cold Rolled Sheet & Coil	3,372	3,252	3,000	2,189	2,291	2,322	2,441	2,189	2,167	
-Electrical Sheet	195	254	211	198	248	235	236	226	226	
Galvanised Sheet	1,101	1,152	1,189	1,141	1,264	1,496	1,597	1,793	1,956	
Other Coated Sheet (1)										
<b>Total</b>	<b>6,093</b>	<b>5,978</b>	<b>5,862</b>	<b>4,607</b>	<b>5,232</b>	<b>5,664</b>	<b>5,793</b>	<b>5,909</b>	<b>6,199</b>	
Tinplate & Black Plate	1,108	1,143	1,008	880	944	965	974	1,016	982	
Wheels & Axles (rolled & forged)										
Steel Tubes and Fittings										
Drawn Wire										
Cold Rolled Strip										
Cold Drawn Bars										
<b>Total Carbon Steels</b>	<b>16,654</b>	<b>16,549</b>	<b>15,526</b>	<b>12,169</b>	<b>12,843</b>	<b>13,446</b>	<b>14,004</b>	<b>13,454</b>	<b>13,450</b>	
Special Steel Grades (all products)	2,944	3,011	2,862	1,969	2,137	2,658	2,450	2,246	2,318	
<b>Total Steel Products</b>	<b>19,598</b>	<b>19,560</b>	<b>18,388</b>	<b>14,138</b>	<b>14,980</b>	<b>16,104</b>	<b>16,454</b>	<b>15,700</b>	<b>15,768</b>	

(1) Included with Galvanised Sheet.

For 1988-92 see Table 6A

**Table 6**  
**F.R. Germany**

**TOTAL DELIVERIES OF STEEL PRODUCTS**  
thousand metric tons

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
CARBON STEEL GRADES:										
Semis for Seamless Tubes	971	890								
Ingots & Semis for sale	5,610	5,603	6,274	5,241	4,755	6,128	6,698	5,455	5,072	
Railway Track Material	531	456	475	367	306	342	369	285	263	
Structurals and Bar Mill Products:										
Heavy Structurals	2,022	2,209	1,982	1,520	1,524	1,435	1,543	1,463	1,437	
Bars & Light Shapes	3,431	3,186	3,714	3,087	3,035	3,097	3,098	2,890	2,778	
Re-inforcing Bars	1,403	1,246								
<b>Total</b>	<b>6,856</b>	<b>6,641</b>	<b>5,696</b>	<b>4,607</b>	<b>4,559</b>	<b>4,532</b>	<b>4,641</b>	<b>4,353</b>	<b>4,215</b>	
Wire Rods	4,016	3,626	3,234	2,688	2,849	3,067	3,264	3,254	3,352	
Hot Rolled Strip	2,654	2,516	2,334	2,084	2,104	2,093	2,065	2,007	1,956	
Plates	7,661	7,194	5,232	4,415	4,025	4,396	4,831	4,353	3,752	
Sheet and Coil:										
Hot Rolled Sheet & Coil	1,562	1,774	4,467	3,516	3,734	4,699	4,485	4,408	4,777	
Cold Rolled Sheet & Coil	5,619	5,478	5,292	4,803	4,924	4,964	5,051	4,742	5,126	
Electrical Sheet	361	372								
Galvanised Sheet	1,724	1,751	1,808	1,816	1,912	2,149	2,201	2,268	2,627	
Other Coated Sheet										
<b>Total</b>	<b>9,266</b>	<b>9,375</b>	<b>11,567</b>	<b>10,135</b>	<b>10,570</b>	<b>11,812</b>	<b>11,737</b>	<b>11,418</b>	<b>12,530</b>	
Tinplate & Black Plate	858	963	1,017	1,026	1,078	999	1,019	994	1,068	
Wheels & Axles (rolled & forged)										
Steel Tubes and Fittings										
Drawn Wire										
Cold Rolled Strip										
Cold Drawn Bars										
<b>Total Carbon Steels</b>	<b>38,423</b>	<b>37,264</b>	<b>35,829</b>	<b>30,563</b>	<b>30,246</b>	<b>33,369</b>	<b>34,624</b>	<b>32,119</b>	<b>32,208</b>	
Special Steel Grades (all products)										
<b>Total Steel Products</b>	<b>38,423</b>	<b>37,264</b>	<b>35,829</b>	<b>30,563</b>	<b>30,246</b>	<b>33,369</b>	<b>34,624</b>	<b>32,119</b>	<b>32,208</b>	

Since 1981, semis for tubes are included with Ingots; reinforcing bars are included with other bars; electrical sheet is included in cold rolled sheet; and the figures include all grades. Galvanised sheet includes other coated sheet.

For 1988-92 see Table 6A

**Table 6**  
**Italy**

**TOTAL DELIVERIES OF STEEL PRODUCTS**  
thousand metric tons

	1983	1984	1985	1986	1987	1988*	1989*	1990*	1991*	1992*
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	523	606	568	545	583	675	676	749	835	959
Ingots & Semis for sale	871	616	658	473	384	...	...	...	...	...
Railway Track Material	217	275	265	260	291	317	293	185	225	178
<b>Structurals and Bar Mill Products:</b>										
Heavy Structurals	966	750	646	653	685	734	836	927	1,045	872
Bars & Light Shapes	2,592	2,260	2,563	2,349	2,546	3,411	3,596	3,636	3,525	3,318
Re-inforcing Bars	3,359	3,474	3,442	3,884	4,187	4,298	4,955	5,169	5,397	5,664
<b>Total</b>	<b>6,917</b>	<b>6,484</b>	<b>6,651</b>	<b>6,886</b>	<b>7,418</b>	<b>8,443</b>	<b>9,387</b>	<b>9,732</b>	<b>9,967</b>	<b>9,854</b>
Wire Rods	1,530	1,750	1,815	1,819	1,811	2,671	2,831	2,813	3,024	3,194
Hot Rolled Strip	438	491	322	342	376	407	403	451	473	...
Plates	2,477	2,841	3,079	2,359	2,208	3,377	3,222	3,058	1,473	1,496
<b>Sheet and Coil:</b>										
Hot Rolled Sheet & Coil	1,423	1,447	1,958	1,773	1,787	1,801	1,990	1,985	7,792	7,254
Cold Rolled Sheet & Coil	2,172	2,149	1,881	2,232	2,099	4,319	4,409	4,134	(172)	(4,296)
Electrical Sheet	196	205	199	201	189	(194)	(206)	(191)	(172)	(193)
Galvanised Sheet	653	708	746	846	929	(1312)	(1338)	(1331)	(1250)	(1,126)
Other Coated Sheet	64	71	105	157	270	...	...	...	...	...
<b>Total</b>	<b>4,508</b>	<b>4,580</b>	<b>4,889</b>	<b>5,209</b>	<b>5,274</b>	<b>6,120</b>	<b>6,399</b>	<b>6,119</b>	<b>7,792</b>	<b>7,254</b>
Tinplate & Black Plate	501	499	476	427	529	(513)	(480)	(448)	(465)	(510)
Wheels & Axles (rolled & forged)	(46)	(39)	(29)	(28)	(33)	...	...	...	...	...
Steel Tubes and Fittings	(3663)	(3837)	(3583)	(3324)	(3515)	(4549)	...	...	...	...
Drawn Wire	(828)	(849)	(912)	(909)	(985)	(926)	...	...	...	...
Cold Rolled Strip	(477)	(490)	(459)	(514)	(556)	(617)	...	...	...	...
Cold Drawn Bars	(592)	(708)	(753)	(782)	(841)	(852)	...	...	...	...
<b>Total Carbon Steels</b>	<b>17,982</b>	<b>18,142</b>	<b>18,723</b>	<b>18,320</b>	<b>18,874</b>	<b>22,010</b>	<b>23,211</b>	<b>23,107</b>	<b>23,789</b>	<b>22,935</b>
Special Steel Grades (all products) (1)	3,009	3,649	3,448	3,255	3,192	(5039)	(4996)	(4580)		
<b>Total Steel Products</b>	<b>20,991</b>	<b>21,791</b>	<b>22,171</b>	<b>21,575</b>	<b>22,066</b>	<b>22,010</b>	<b>23,211</b>	<b>23,107</b>	<b>23,789</b>	<b>22,935</b>

\* - Production not deliveries.

The figures shown in parentheses are not added into totals to avoid double-counting; they cover all grades of products concerned.

(1) ECSC steel products only, i.e. excluding products shown in brackets.



**Table 6**  
**Japan**

**TOTAL DELIVERIES OF STEEL PRODUCTS**  
thousand metric tons

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
CARBON STEEL GRADES:										
Semis for Seamless Tubes										
Ingots & Semis for sale	293	271	252	221	233	270	238	321	232	
Railway Track Material	545	518	436	496	450	614	596	464	417	
Structurals and Bar Mill Products:										
Heavy Structurals	7,376	7,424	7,519	7,515	7,118	7,409	7,040	6,289	6,902	
Bars & Light Shapes	19,023	18,410	15,969	16,496	16,667	16,935	18,391	17,630	17,777	
Re-inforcing Bars (1)										
<b>Total</b>	<b>26,399</b>	<b>25,834</b>	<b>23,488</b>	<b>24,011</b>	<b>23,785</b>	<b>24,344</b>	<b>25,431</b>	<b>23,919</b>	<b>24,679</b>	
Wire Rods	5,248	5,367	4,096	3,729	4,257	4,562	4,435	4,341	3,973	
Hot Rolled Strip (2)										
Plates	10,762	11,232	10,504	9,596	8,558	9,828	9,826	8,065	7,730	
Sheet and Coil:										
Hot Rolled Sheet & Coil	11,675	11,111	8,829	8,565	9,290	9,174	8,776	8,068	7,824	
Cold Rolled Sheet & Coil	12,393	12,648	11,470	10,962	11,488	11,698	11,549	11,086	10,880	
Electrical Sheet	1,220	1,025	947	1,021	1,181	1,301	1,265	1,301	1,494	
Galvanised Sheet	6,519	6,562	5,940	6,205	6,810	7,709	8,139	8,655	9,892	
Other Coated Sheet	1,119	1,168	1,149	1,186	1,509	1,824	1,875	1,863	2,010	
<b>Total</b>	<b>32,926</b>	<b>32,514</b>	<b>28,335</b>	<b>27,939</b>	<b>30,278</b>	<b>31,706</b>	<b>31,604</b>	<b>30,973</b>	<b>32,100</b>	
Tinplate & Black Plate	1,865	1,886	1,673	1,626	1,608	1,619	1,577	1,525	1,689	
Wheels & Axles (rolled & forged)	97	102	78	65	96	69	54	43	63	
Steel Tubes and Fittings	9,516	9,582	9,563	8,628	7,446	8,281	8,273	7,858	7,116	
Drawn Wire										
Cold Rolled Strip (3)										
Cold Drawn Bars										
<b>Total Carbon Steels</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>	<b>82,034</b>	<b>77,509</b>	<b>77,999</b>	
Special Steel Grades (all products)	12,483	12,915	13,546	13,976	13,430	15,456	16,421	15,094	13,740	
<b>Total Steel Products</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>	<b>98,455</b>	<b>92,603</b>	<b>91,739</b>	

- (1) Re-inforcing bars included with Bars & Light Shapes.  
(2) Hot rolled strip included with Hot Rolled Sheet & Coil.  
(3) Cold rolled strip included with Cold Rolled Sheet & Coil.

For 1988-92 see Table 6A

**Table 6**  
**Republic of Korea**

**TOTAL DELIVERIES OF STEEL PRODUCTS \***  
thousand metric tons

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
<b>CARBON STEEL GRADES</b>										
Semis for Seamless Tubes										
Ingots & Semis for sale										
Railway Track Material	35	27	53	49	75	111	97	102		
Structurals and Bar Mill Products:										
Heavy Structural										
Bars & Light Shapes (1)	779	637	846	1,087	1,219	1,398	1,539	1,912		
Re-inforcing Bars	1,582	1,986	1,808	2,351	2,756	3,056	3,218	3,591		
<b>Total</b>	<b>2,361</b>	<b>2,623</b>	<b>2,654</b>	<b>3,438</b>	<b>3,975</b>	<b>4,454</b>	<b>4,757</b>	<b>5,503</b>		
Wire Rods	414	554	587	639	671	715	999	1,083		
Hot Rolled Strip										
Plates	1,433	1,496	1,765	1,812	1,845	1,975	2,016	2,129		
Sheet and Coil:										
Hot Rolled Sheet & Coil (2)	494	582	1,856	2,006	1,855	1,969	1,849	2,294		
Cold Rolled Sheet & Coil										
Electrical Sheet										
Galvanised Sheet	183	190	307	333	425	485	511	603		
Other Coated Sheet	1,245	1,059	1,196	1,036	1,307	1,506	1,460	1,509		
<b>Total</b>	<b>1,922</b>	<b>1,831</b>	<b>3,359</b>	<b>3,375</b>	<b>3,587</b>	<b>3,960</b>	<b>3,820</b>	<b>4,406</b>		
Tinplate & Black Plate	68	71	84	101	124	149	148	177		
Wheels & Axles (rolled & forged)										
Steel Tubes and Fittings	1,096	1,122	1,424	1,297	1,666	1,872	1,881	1,662		
Drawn Wire @	210	198	258	308	398	520	492	567		
Cold Rolled Strip										
Cold Drawn Bars										
<b>Total Carbon Steels</b>	<b>7,329</b>	<b>7,724</b>	<b>9,926</b>	<b>10,711</b>	<b>11,943</b>	<b>13,236</b>	<b>13,718</b>	<b>15,062</b>		
Special Steel Grades (all products)										
<b>Total Steel Products</b>	<b>7,329</b>	<b>7,724</b>	<b>9,926</b>	<b>10,711</b>	<b>11,943</b>	<b>13,236</b>	<b>13,718</b>	<b>15,062</b>		

\* - Production, not deliveries.

@ - not included in totals to avoid double counting.

(1) - includes all sections

(2) - includes Hot Rolled Strip

For 1987-92 see Table 6A

**Table 6**  
**Luxembourg**

**TOTAL DELIVERIES OF STEEL PRODUCTS**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989*	1990*	1991*	1992*
<b>CARBON STEEL GRADES</b>										
Semis for Seamless Tubes										
Ingots & Semis for sale	898	908	1,135	671	523	521				
Railway Track Material	106	124	137	140	116	114	118	116	131	129
Structurals and Bar Mill Products:										
Heavy Structurals	825	832	850	902	856	1,013	1,350	1,313	1,271	1,024
Bars & Light Shapes	316	353	371	347	290	350	344	320	245	234
Re-inforcing Bars	352	399	423	325	301	301	294	323	290	352
<b>Total</b>	<b>1,493</b>	<b>1,584</b>	<b>1,644</b>	<b>1,574</b>	<b>1,447</b>	<b>1,664</b>	<b>1,988</b>	<b>1,956</b>	<b>1,806</b>	<b>1,610</b>
Wire Rods	290	325	304	327	282	251	524	513	499	561
Hot Rolled Strip	465	338	365	299	283	338	318	295	259	262
Plates	179	1								
Sheet and Coil:										
Hot Rolled Sheet & Coil		264	251	195	242	295				
Cold Rolled Sheet & Coil	154	150	183		148	151	351	344	356	378
Electrical Sheet										
Galvanised Sheet	67	66	65	65	79	78				
Other Coated Sheet	43	183	196	232	278	373				
<b>Total</b>	<b>264</b>	<b>663</b>	<b>695</b>	<b>492</b>	<b>747</b>	<b>897</b>	<b>351</b>	<b>344</b>	<b>356</b>	<b>378</b>
Tinplate & Black Plate										
Wheels & Axles (rolled & forged)										
Steel Tubes and Fittings										
Drawn Wire										
Cold Rolled Strip			27	33	29	27	(28)	(28)	(24)	(31)
Cold Drawn Bars										
<b>Total Carbon Steels</b>	<b>3,695</b>	<b>3,943</b>	<b>4,307</b>	<b>3,536</b>	<b>3,427</b>	<b>3,812</b>	<b>3,299</b>	<b>3,224</b>	<b>3,051</b>	<b>2,940</b>
Special Steel Grades (all products)	51	44	37	52	61	87				
<b>Total Steel Products</b>	<b>3,746</b>	<b>3,987</b>	<b>4,344</b>	<b>3,588</b>	<b>3,488</b>	<b>3,899</b>	<b>3,299</b>	<b>3,224</b>	<b>3,051</b>	<b>2,940</b>

\* - Production not deliveries.

**Table 6**  
**Netherlands**

**TOTAL DELIVERIES OF STEEL PRODUCTS \***

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
CARBON STEEL GRADES:										
Semis for Seamless Tubes										
Ingots & Semis for sale (1)	849	1,308	1,285	1,335	1,353	1,531				
Railway Track Material										
Structurals and Bar Mill Products:										
Heavy Structurals										
Bars & Light Shapes										
Re-inforcing Bars	215	226	262	258	284	318	326	338	379	387
<b>Total</b>	<b>215</b>	<b>226</b>	<b>262</b>	<b>258</b>	<b>284</b>	<b>318</b>	<b>326</b>	<b>338</b>	<b>379</b>	<b>387</b>
Wire Rods	222	234	228	244	244	254	272	227	215	214
Hot Rolled Strip	230	230	254	257	245	283	297	261	220	...
Plates	214	280	256	237	173	237	275	239	242	139
Sheet and Coil:										
Hot Rolled Sheet & Coil	591	708	703	591	649	611	779	816	844	...
Cold Rolled Sheet & Coil	1,490	1,546	1,464	1,427	1,448	1,563	1,663	1,722	1,769	1,844
Electrical Sheet										
Galvanised Sheet					1	102	(102)	(180)	(256)	(283)
Other Coated Sheet										(54)
<b>Total</b>	<b>2,081</b>	<b>2,254</b>	<b>2,167</b>	<b>2,018</b>	<b>2,098</b>	<b>2,276</b>	<b>2,442</b>	<b>2,538</b>	<b>2,613</b>	<b>1,844</b>
Tinplate & Black Plate	525	566	533	484	498	525	(546)	(553)	(596)	(588)
Wheels & Axles (rolled & forged)										
Steel Tubes and Fittings										
Drawn Wire										
Cold Rolled Strip										
Cold Drawn Bars										
<b>Total Carbon Steels</b>	<b>4,837</b>	<b>5,602</b>	<b>5,510</b>	<b>5,367</b>	<b>5,396</b>	<b>5,940</b>	<b>3,612</b>	<b>3,603</b>	<b>3,669</b>	<b>2,584</b>
Special Steel Grades (all products)										
<b>Total Steel Products</b>	<b>4,837</b>	<b>5,602</b>	<b>5,510</b>	<b>5,367</b>	<b>5,396</b>	<b>5,940</b>	<b>3,612</b>	<b>3,603</b>	<b>3,669</b>	<b>2,584</b>

\* - Production, not deliveries.  
(1) Exports.

**Table 6**  
**Portugal**

**TOTAL DELIVERIES OF STEEL PRODUCTS**  
thousand metric tons

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	9	5	2	2	13	3	0	9	1	
Railway Track Material	1	3	3	8	3	0	0	3	7	
Structurals and Bar Mill Products:										
Heavy Structural	16	17	25	27	16	19	27	23	21	
Bars & Light Shapes	81	91	91	103	74	85	91	86	108	
Re-inforcing Bars	334	374	382	399	331	312	262	316	402	
<b>Total</b>	<b>431</b>	<b>482</b>	<b>498</b>	<b>529</b>	<b>421</b>	<b>416</b>	<b>380</b>	<b>425</b>	<b>531</b>	
Wire Rods	88	95	90	86	126	145	207	166	136	
Hot Rolled Strip	0	0	0	0	0	0	0	0	0	
Plates	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	
Cold Rolled Sheet & Coil	62	80	61	58	54	56	29	20	52	
Electrical Sheet	0	0	0	0	0	0	0	0	0	
Galvanised Sheet	42	38	36	36	36	62	88	68	87	
Other Coated Sheet	0	0	0	0	0	0	0	0	0	
<b>Total</b>	<b>104</b>	<b>118</b>	<b>97</b>	<b>94</b>	<b>90</b>	<b>118</b>	<b>117</b>	<b>88</b>	<b>139</b>	
Tinplate & Black Plate	61	70	54	65	62	69	56	48	59	
Wheels & Axles (rolled & forged)										
Steel Tubes and Fittings										
Drawn Wire										
Cold Rolled Strip										
Cold Drawn Bars										
<b>Total Carbon Steels</b>	<b>694</b>	<b>773</b>	<b>744</b>	<b>784</b>	<b>715</b>	<b>751</b>	<b>760</b>	<b>739</b>	<b>873</b>	
Special Steel Grades (all products)	0	0	0	0	0	0	0	0	0	
<b>Total Steel Products</b>	<b>694</b>	<b>773</b>	<b>744</b>	<b>784</b>	<b>715</b>	<b>751</b>	<b>760</b>	<b>739</b>	<b>873</b>	

For 1988-92 see Table 6A

**Table 6**  
**Spain**

**TOTAL DELIVERIES OF STEEL PRODUCTS**  
thousand metric tons

	1981	1982	1983	1984	1985	1986	1987	1988*	1989*	1990*
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	406	443	385	530	535	402	367	289	300	...
Ingots & Semis for sale	612	786	802	683	1,158	791	811	...	...	...
Railway Track Material	118	98	97	85	57	40	52	82	69	107
<b>Structurals and Bar Mill Products:</b>										
Heavy Structural	1,563	1,348	1,423	1,393	1,558	1,250	1,252	1,379	1,379	1,339
Bars & Light Shapes	1,545	1,452	1,528	1,609	1,517	1,343	1,349	1,473	1,304	1,038
Re-inforcing Bars	2,177	2,226	2,201	2,869	2,976	2,176	2,229	2,125	2,186	2,429
<b>Total</b>	<b>5,285</b>	<b>5,026</b>	<b>5,152</b>	<b>5,871</b>	<b>6,051</b>	<b>4,769</b>	<b>4,830</b>	<b>4,977</b>	<b>4,869</b>	<b>4,806</b>
Wire Rods	525	662	723	968	958	1,081	1,175	1,112	1,204	1,222
Hot Rolled Strip	204	216	223	250	297	320	304	407	385	355
Plates	1,012	749	608	639	576	553	587	671	716	685
<b>Sheet and Coil:</b>										
Hot Rolled Sheet & Coil	769	407	800	992	916	562	818	981	1,207	1,209
Cold Rolled Sheet & Coil	1,092	1,213	1,263	1,197	1,292	1,288	1,320	2,284	2,540	2,684
Electrical Sheet (1)	26	25	20	31	33	17	20	0	0	(93)
Galvanised Sheet (1)	328	347	374	405	351	383	378	538	669	(596)
Other Coated Sheet (1)	9	9	11	10	10	29	38	0	0	(117)
<b>Total</b>	<b>2,224</b>	<b>2,001</b>	<b>2,468</b>	<b>2,635</b>	<b>2,602</b>	<b>2,279</b>	<b>2,574</b>	<b>3,265</b>	<b>3,747</b>	<b>3,893</b>
Tinplate & Black Plate (1)	402	436	434	528	392	415	402	404	449	(499)
Wheels & Axles (rolled & forged)	31	25	19	17	22	0	0	0	0	...
Steel Tubes and Fittings								971	1,053	...
Drawn Wire										
Cold Rolled Strip								221	232	...
Cold Drawn Bars										
<b>Total Carbon Steels</b>	<b>10,819</b>	<b>10,442</b>	<b>10,911</b>	<b>12,206</b>	<b>12,648</b>	<b>10,650</b>	<b>11,102</b>	<b>11,995</b>	<b>12,575</b>	<b>11,068</b>
<b>Special Steel Grades (all products)</b>										
<b>Total Steel Products</b>	<b>10,819</b>	<b>10,442</b>	<b>10,911</b>	<b>12,206</b>	<b>12,648</b>	<b>10,650</b>	<b>11,102</b>	<b>11,995</b>	<b>12,575</b>	<b>11,068</b>

\* - Production not deliveries.

(1) Figures in brackets not included in totals to avoid double counting.

(2) Included above.

For 1991-92 see Table 6A

**Table 6**  
**Taiwan (R.o.C.)**

**TOTAL DELIVERIES OF STEEL PRODUCTS\***

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<b>CARBON STEEL GRADES</b>										
Semis for Seamless Tubes										
Ingots & Semis for sale										
Railway Track Material	8							1	1	2
Structurals and Bar Mill Products:										
Heavy Structurals										
Bars & Light Shapes	748	754	869	952	1,090	1,153	1,535	1,115	1,357	1,234
Re-inforcing Bars	1,709	2,026	1,532	1,624	1,773	1,999	3,066	5,194	5,489	6,729
<b>Total</b>	<b>2,457</b>	<b>2,780</b>	<b>2,401</b>	<b>2,576</b>	<b>2,863</b>	<b>3,152</b>	<b>4,601</b>	<b>6,309</b>	<b>6,846</b>	<b>7,963</b>
Wire Rods	608	676	761	922	816	760	721	739	814	969
Hot Rolled Strip										
Plates	579	535	626	678	755	773	759	793	889	901
Sheet and Coil:										
Hot Rolled Sheet & Coil	1,209	1,220	1,204	1,172	1,070	1,878	2,316	2,329	2,898	3,259
Cold Rolled Sheet & Coil	483	569	534	951	1,106	1,589	1,569	1,411	1,881	2,170
Electrical Sheet										
Galvanised Sheet @	12	12	12	13	13	32	137	96	223	457
Other Coated Sheet @						35	72	107	205	283
<b>Total</b>	<b>1,692</b>	<b>1,789</b>	<b>1,738</b>	<b>2,123</b>	<b>2,176</b>	<b>3,467</b>	<b>3,885</b>	<b>3,740</b>	<b>4,779</b>	<b>5,429</b>
Tinplate & Black Plate @	41	50	56	36	47	113	87	130	172	217
Wheels & Axles (rolled & forged)										
Steel Tubes and Fittings										
Drawn Wire										
Cold Rolled Strip										
Cold Drawn Bars										
<b>Total Carbon Steels</b>	<b>5,344</b>	<b>5,780</b>	<b>5,526</b>	<b>6,299</b>	<b>6,610</b>	<b>8,152</b>	<b>9,966</b>	<b>11,582</b>	<b>13,329</b>	<b>15,264</b>
Special Steel Grades (all products)										
<b>Total Steel Products</b>	<b>5,344</b>	<b>5,780</b>	<b>5,526</b>	<b>6,299</b>	<b>6,610</b>	<b>8,152</b>	<b>9,966</b>	<b>11,582</b>	<b>13,329</b>	<b>15,264</b>

\* - Production, not deliveries.

@ - not added into totals to avoid double counting.

Some of the above products are re-rolled material.

**Table 6**  
**United Kingdom**

**TOTAL DELIVERIES OF STEEL PRODUCTS**  
(thousand metric tons)

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
CARBON STEEL GRADES:										
Semis for Seamless Tubes	3	2	13	1				3	6	
Ingots & Semis for sale	630	392	379	476	667	477	668	1,071	1,594	
Railway Track Material	259	161	226	221	262	232	216	174	237	
Structurals and Bar Mill Products:										
Heavy Structural	1,831	1,314	1,789	1,570	1,551	1,417	1,643	1,705	1,945	
Bars & Light Shapes	1,503	977	956	809	769	803	814	754	782	
Re-inforcing Bars	1,102	781	788	723	823	811	937	903	950	
<b>Total</b>	<b>4,436</b>	<b>3,072</b>	<b>3,533</b>	<b>3,102</b>	<b>3,143</b>	<b>3,031</b>	<b>3,394</b>	<b>3,362</b>	<b>3,677</b>	
Wire Rods	1,452	839	959	795	857	957	948	933	1,013	
Hot Rolled Strip	345	175	165	171	205	215	209	189	216	
Plates	2,220	1,386	1,701	1,599	1,495	1,516	1,541	1,373	1,555	
Sheet and Coil: (1)										
Hot Rolled Sheet & Coil	223	1,325	2,198	2,014	2,286	2,353	2,384	2,473	2,798	
Cold Rolled Sheet & Coil	1,435									
Electrical Sheet	198									
Galvanised Sheet	513									
Other Coated Sheet	353									
<b>Total</b>	<b>2,722</b>	<b>1,325</b>	<b>2,198</b>	<b>2,014</b>	<b>2,286</b>	<b>2,353</b>	<b>2,384</b>	<b>2,473</b>	<b>2,798</b>	
Tinplate & Black Plate	1,152	624	864	911	938	967	910	940	1,074	
Wheels & Axles (rolled & forged)	48									
Steel Tubes and Fittings	1,200	928	1,110	1,085	1,072	1,222	1,154	1,090	1,182	
Drawn Wire										
Cold Rolled Strip	405	291	286	277	275	287	288	286	312	
Cold Drawn Bars	423	304	287	257	257	304	280	271	276	
<b>Total Carbon Steels</b>	<b>15,295</b>	<b>9,499</b>	<b>11,721</b>	<b>10,909</b>	<b>11,457</b>	<b>11,561</b>	<b>11,992</b>	<b>12,165</b>	<b>13,940</b>	
Special Steel Grades (all products)	1,343	892	968	929	805	1,003	1,082	976	1,057	
<b>Total Steel Products</b>	<b>16,638</b>	<b>10,391</b>	<b>12,689</b>	<b>11,838</b>	<b>12,262</b>	<b>12,564</b>	<b>13,074</b>	<b>13,141</b>	<b>14,997</b>	

Reporting basis changed from 1980; figures for 1979 are not comparable.

(1) No breakdown available.

For 1988-92 see Table 6A



**Table 6**  
**United States**

**TOTAL DELIVERIES OF STEEL PRODUCTS**  
(thousand metric tons)

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
CARBON STEEL GRADES:										
Semis for Seamless Tubes										
Ingots & Semis for sale	1,391	1,676	1,533	473	480	743	828	897	898	
Railway Track Material	1,438	1,269	1,075	595	683	974	691	485	373	
Structurals and Bar Mill Products:										
Heavy Structural	4,309	3,993	3,810	2,661	2,663	3,150	3,780	3,683	4,236	
Bars & Light Shapes	6,607	4,476	4,796	3,083	4,275	4,702	4,408	4,682	5,200	
Re-inforcing Bars	4,745	4,184	3,866	3,139	3,700	3,885	3,962	3,880	4,435	
<b>Total</b>	<b>15,661</b>	<b>12,653</b>	<b>12,472</b>	<b>8,883</b>	<b>10,638</b>	<b>11,737</b>	<b>12,150</b>	<b>12,245</b>	<b>13,871</b>	
Wire Rods	2,491	2,359	2,679	2,096	2,526	2,709	2,642	3,073	3,398	
Hot Rolled Strip	772	526	512	391	488	498	467	489	514	
Plates	6,123	5,618	5,201	2,746	2,525	2,863	2,781	2,278	2,582	
Sheet and Coil:										
Hot Rolled Sheet & Coil	13,044	9,783	10,833	7,327	9,488	10,781	10,477	9,895	10,637	
Cold Rolled Sheet & Coil	14,955	11,470	12,375	9,521	11,690	11,660	11,555	11,303	11,727	
Electrical Sheet	102	103	74	31	48	43	21	24	23	
Galvanised Sheet	5,670	4,650	5,218	4,599	5,513	5,853	6,537	7,060	7,906	
Other Coated Sheet	877	650	736	624	851	1,038	1,024	1,010	1,049	
<b>Total</b>	<b>34,648</b>	<b>26,656</b>	<b>29,236</b>	<b>22,102</b>	<b>27,590</b>	<b>29,375</b>	<b>29,614</b>	<b>29,292</b>	<b>31,342</b>	
Tinplate & Black Plate	5,679	5,138	4,434	3,889	3,878	3,787	3,570	3,456	3,625	
Wheels & Axles (rolled & forged)	352	314	187	95	64	85	94	71	79	
Steel Tubes and Fittings	5,948	6,528	7,029	3,459	2,482	3,292	3,079	2,063	2,661	
Drawn Wire (1)	2,152	1,558	1,481	1,177	1,203	1,078	1,020	944	959	
Cold Rolled Strip	802	599	683	494	604	654	570	626	627	
Cold Drawn Bars	1,634	1,128	1,168	725	841	1,029	889	916	990	
<b>Total Carbon Steels</b>	<b>79,091</b>	<b>66,022</b>	<b>67,690</b>	<b>47,125</b>	<b>54,002</b>	<b>58,824</b>	<b>58,395</b>	<b>56,835</b>	<b>61,919</b>	
Special Steel Grades (all products)	11,145	9,445	10,563	6,720	6,643	8,062	8,141	7,039	7,762	
<b>Total Steel Products</b>	<b>90,236</b>	<b>75,467</b>	<b>78,253</b>	<b>53,845</b>	<b>60,645</b>	<b>66,886</b>	<b>66,536</b>	<b>63,874</b>	<b>69,681</b>	

(1) Includes Wire Products.

For 1988-92 see Table 6A

Table 6A

**TOTAL DELIVERIES OF STEEL PRODUCTS**

thousand metric tons

	All Grades	Australia	Austria	Argentina				1992
		1992	1992	1988	1989*	1990*	1991*	
A1	Solids for Seamless Tubes		209	...	...	...	...	...
A2	Ingots and Semis	871	44	262	527	1,418	...	61
B	Railway Track Material	75	257	12	14	25	11	78
C1	Heavy Sections	286	17	75	82	36	20	11
C2	Light Sections		103	52	53	40	2	80
C3	Reinforcing Bars	274	155	368	343	174	213	379
C4	Other Hot Rolled Bars	917		95	124	145	83	182
C5	Wire Rods	869	403	285	311	379	220	104
C6	Drawn Wire	314	54	136	129	110	30	101
C7	Cold Finished Bars	12		33	11	23	...	...
C	<b>Total Long Products</b>	<b>2,672</b>	<b>732</b>	<b>1,045</b>	<b>1,052</b>	<b>907</b>	<b>568</b>	<b>857</b>
D1	Hot Rolled Strip	105	131	103	95	108	131	2
D2	Hot Rolled Wide Coils (>3mm)	326		522	...	...	...	90
D3	Hot Rolled Wide Coils (<3mm)	688	645	58	...	...	...	...
D4	Hot Rolled Plates (>3mm)	329	308	64	170	336	...	...
D5	Hot Rolled Plates (<3mm)	6	131	8	687	532	707	...
D6	Cold Rolled Plates, Sheets, and Coils	215		834	709	559	647	590
D7	Cold Rolled Strip	78	719	19	50	28	...	28
D8	Electrical Sheet and Strip	18	38	...	...	...	...	...
D9	Tinplate, TFS and Strip	340	1	78	...	...	44	42
D10	Zinc Coated Sheet and Strip	1,055	568	...	61	46	...	28
D11	Other Coated Sheet and Strip	40	97	...	...	...	240	10
D	<b>Total Flat Products</b>	<b>3,199</b>	<b>2,638</b>	<b>1,685</b>	<b>1,773</b>	<b>1,610</b>	<b>1,769</b>	<b>790</b>
E1	Steel Tubes, Seamless		263	399	484	511	661	565
E2	Steel Tubes, Welded	361	226	...	...	...	...	290
E	<b>Total Steel Tubes</b>	<b>361</b>	<b>489</b>	<b>399</b>	<b>484</b>	<b>511</b>	<b>661</b>	<b>855</b>
F	Railway Tyres, Wheels and Axles	31		6	...	...	...	...
T(A..F)	<b>Total All Products</b>	<b>7,209</b>	<b>4,369</b>	<b>3,409</b>	<b>3,851</b>	<b>4,472</b>	<b>3,009</b>	<b>2,640</b>
U	Adjustment to avoid double counting		253					59
V(T-U)	<b>Net Totals #</b>	<b>7,209</b>	<b>4,116</b>	<b>3,409</b>	<b>3,851</b>	<b>4,472</b>	<b>3,009</b>	<b>2,581</b>
	# of which:							
V1	Stainless Steel Total			5	...	...	...	...
V2	Other Alloys Total			246	...	...	...	...

\* - production not deliveries

Due to the introduction of the new Harmonised System of reporting, some of these series are not strictly compatible with those shown on the preceding pages.

Table 6A

**TOTAL DELIVERIES OF STEEL PRODUCTS**

thousand metric tons

	All Grades	Brazil				
		1988	1989	1990	1991	1992
A1	Solids for Seamless Tubes	...	...	...	...	...
A2	Ingots and Semis	6,141	6,843	3,782	5,745	5,883
B	Railway Track Material	82	18	22	23	4
C1	Heavy Sections	204	207	92	109	93
C2	Light Sections	271	274	201	217	216
C3	Reinforcing Bars	2,196	2,385	2,193	1,860	1,614
C4	Other Hot Rolled Bars	832	1,013	902	807	916
C5	Wire Rods	1,130	917	1,074	1,032	1,310
C6	Drawn Wire	1,048	1,207	883	1,063	942
C7	Cold Finished Bars	282	115	97	79	...
C	<b>Total Long Products</b>	<b>5,963</b>	<b>6,117</b>	<b>5,441</b>	<b>5,167</b>	<b>5,091</b>
D1	Hot Rolled Strip	...	...	...	...	49
D2	Hot Rolled Wide Coils (>3mm)	1,950	3,049	2,495	2,934	3,736
D3	Hot Rolled Wide Coils (<3mm)	...	...	...	...	...
D4	Hot Rolled Plates (>3mm)	2,680	2,390	2,100	1,773	1,127
D5	Hot Rolled Plates (<3mm)	1,395	367	252	296	978
D6	Cold Rolled Plates, Sheets, and Coils	2,898	2,687	1,954	1,968	2,262
D7	Cold Rolled Strip	...	...	...	...	...
D8	Electrical Sheet and Strip	75	100	80	78	81
D9	Tinplate, TFS and Strip	532	560	528	546	818
D10	Zinc Coated Sheet and Strip	369	385	439	343	340
D11	Other Coated Sheet and Strip	341	362	138	385	409
D	<b>Total Flat Products</b>	<b>10,241</b>	<b>9,900</b>	<b>7,986</b>	<b>8,322</b>	<b>9,800</b>
E1	Steel Tubes, Seamless	278	318	237	283	251
E2	Steel Tubes, Welded	...	...	...	...	...
E	<b>Total Steel Tubes</b>	<b>278</b>	<b>318</b>	<b>237</b>	<b>283</b>	<b>251</b>
F	Railway Tyres, Wheels and Axles	...	...	...	...	...
T(A..F)	<b>Total All Products</b>	<b>22,704</b>	<b>23,197</b>	<b>17,467</b>	<b>19,541</b>	<b>21,029</b>
U	Adjustment to avoid double counting					
V(T-U)	<b>Net Totals #</b>	<b>22,704</b>	<b>23,197</b>	<b>17,467</b>	<b>19,541</b>	<b>21,029</b>
	# of which:					
V1	Stainless Steel Total	133	138	114	134	94
V2	Other Alloys Total	560	797	558	560	205

Due to the introduction of the new Harmonised System of reporting, some of these series are not strictly compatible with those shown on the preceding pages.

Table 6A

**TOTAL DELIVERIES OF STEEL PRODUCTS**

thousand metric tons

All Grades		Canada				
		1988	1989	1990	1991	1992a
A1	Solids for Seamless Tubes	188	78	63		34
A2	Ingots and Semis	205	221	416	686	336
B	Railway Track Material	184	174	105	5	5
C1	Heavy Sections	761	692	563	589	633
C2	Light Sections	209	141	120	86	1,222
C3	Reinforcing Bars	651	746	708	557	623
C4	Other Hot Rolled Bars	1,248	1,228	1,018	918	in C2
C5	Wire Rods					
C6	Drawn Wire	1,160	1,181	1,029	936	1,194
C7	Cold Finished Bars	155	126	114	99	110
C	<b>Total Long Products</b>	<b>4,184</b>	<b>4,114</b>	<b>3,552</b>	<b>3,186</b>	<b>3,782</b>
D1	Hot Rolled Strip					
D2	Hot Rolled Wide Coils (>3mm)					
D3	Hot Rolled Wide Coils (<3mm)	2,835	3,239	2,620		2,795
D4	Hot Rolled Plates (>3mm)	2,295	2,140	1,937	2,042	
D5	Hot Rolled Plates (<3mm)		included in D2		2,645	2,102
D6	Cold Rolled Plates, Sheets, and Coils				1,110	
D7	Cold Rolled Strip	1509	1,439	1207		
D8	Electrical Sheet and Strip					1,204
D9	Tinplate, TFS and Strip	458	460	416	415	430
D10	Zinc Coated Sheet and Strip	1,402	1,462	1,247	1,155	
D11	Other Coated Sheet and Strip			included in D7		1,519
D	<b>Total Flat Products</b>	<b>8,499</b>	<b>8,740</b>	<b>7,427</b>	<b>7,366</b>	<b>8,050</b>
E1	Steel Tubes, Seamless			included in A1		
E2	Steel Tubes, Welded			included in D		
E	<b>Total Steel Tubes</b>					
F	Railway Tyres, Wheels and Axles	...	...	...	...	...
T(A..F)	<b>Total All Products</b>	<b>13,260</b>	<b>13,327</b>	<b>11,563</b>	<b>11,243</b>	<b>12,207</b>
U	Adjustment to avoid double counting					
V(T-U)	<b>Net Totals #</b>	<b>13,260</b>	<b>13,327</b>	<b>11,563</b>	<b>11,243</b>	<b>12,207</b>
	# of which:					
V1	Stainless Steel Total	...	...	...	...	
V2	Other Alloys Total	...	...	...	...	513

Due to the introduction of the new Harmonised System of reporting, some of these series are not strictly compatible with those shown on the preceding pages.

Notes:  
a - new series.

Table 6A

**TOTAL DELIVERIES OF STEEL PRODUCTS**

thousand metric tons

	All Grades	P.R. China*				
		1988	1989	1990	1991	1992
A1	Solids for Seamless Tubes	...	...	...	...	...
A2	Ingots and Semis	...	...	...	...	...
B	Railway Track Material	1,313	1,288	1,340	1,311	1,185
C1	Heavy Sections	3,675	3,543	3,606	3,646	4,494
C2	Light Sections					
C3	Reinforcing Bars					
C4	Other Hot Rolled Bars	16,042	16,181	16,753	18,632	22,851
C5	Wire Rods	7,982	8,822	9,989	10,999	12,570
C6	Drawn Wire	...	...	...	...	...
C7	Cold Finished Bars	...	...	...	...	...
<b>C</b>	<b>Total Long Products</b>	<b>27,699</b>	<b>28,546</b>	<b>30,348</b>	<b>33,277</b>	<b>39,915</b>
D1	Hot Rolled Strip					
D2	Hot Rolled Wide Coils (>3mm)					
D3	Hot Rolled Wide Coils (<3mm)	753	776	1,009	1,194	1,684
D4	Hot Rolled Plates (>3mm)	6,007	6,512	6,839	7,191	8,536
D5	Hot Rolled Plates (<3mm)	3,493	3,211	3,299	3,853	4,252
D6	Cold Rolled Plates, Sheets, and Coils	1,664	2,033	2,225	2,550	3,254
D7	Cold Rolled Strip	635	732	680	636	766
D8	Electrical Sheet and Strip	603	642	673	606	688
D9	Tinplate, TFS and Strip	...	...	...	...	...
D10	Zinc Coated Sheet and Strip	...	...	...	...	...
D11	Other Coated Sheet and Strip	434	246	74	34	49 a
<b>D</b>	<b>Total Flat Products</b>	<b>13,589</b>	<b>14,152</b>	<b>14,799</b>	<b>16,063</b>	<b>19,229</b>
E1	Steel Tubes, Seamless	1,783	1,941	2,112	2,314	2,652
E2	Steel Tubes, Welded	2,242	2,142	2,208	2,616	3,184
<b>E</b>	<b>Total Steel Tubes</b>	<b>4,025</b>	<b>4,083</b>	<b>4,320</b>	<b>4,929</b>	<b>5,836</b>
F	Railway Tyres, Wheels and Axles	129	122	127	139	139
<b>T(A..F)</b>	<b>Total All Products</b>	<b>46,890</b>	<b>48,590</b>	<b>51,532</b>	<b>56,382</b>	<b>66,940 b</b>
U	Adjustment to avoid double counting					
<b>V(T-U)</b>	<b>Net Totals #</b>	<b>46,890</b>	<b>48,590</b>	<b>51,532</b>	<b>56,382</b>	<b>66,940</b>
	# of which:					
V1	Stainless Steel Total					
V2	Other Alloys Total	4,859	4,805	4,568	4,541	...

\* - production not deliveries.

Due to the introduction of the new Harmonised System of reporting, some of these series are not strictly compatible with those shown on the preceding pages.

Notes:

a - 'Other Steel Products'.

b - not equal to sum of categories.

Table 6A

**TOTAL DELIVERIES OF STEEL PRODUCTS**

thousand metric tons

	All Grades	France					
		1988	1989	1990	1991	1992	1993b
A1	Solids for Seamless Tubes	169	164	152	161	127	80
A2	Ingots and Semis	749	684	725	736	643	800
B	Railway Track Material	187	156	181	216	225	171
C1	Heavy Sections	757	740	694	601	129	
C2	Light Sections	1,196	209	173	182	151	129
C3	Reinforcing Bars	750	865	881	1,005	993	731
C4	Other Hot Rolled Bars	a	825	987	926	921	618
C5	Wire Rods	2,140	2,124	2,076	1,987	1,948	1,809
C6	Drawn Wire	...	...	...	...	...	...
C7	Cold Finished Bars	...	...	...	...	...	...
C	<b>Total Long Products</b>	<b>4,843</b>	<b>4,763</b>	<b>4,813</b>	<b>4,701</b>	<b>4,142</b>	<b>3,287</b>
D1	Hot Rolled Strip	455	436	386	363	326	176
D2	Hot Rolled Wide Coils (>3mm)	1,449	1,495	1,526	1,555	1,405	976
D3	Hot Rolled Wide Coils (<3mm)	1,952	1,784	1,523	1,640	1,687	1,263
D4	Hot Rolled Plates (>3mm)	1,172	1,192	1,099	1,017	999	593
D5	Hot Rolled Plates (<3mm)	79	98	74	61	56	27
D6	Cold Rolled Plates, Sheets, and Coils	2,672	2,569	2,457	2,299	1,979	1,309
D7	Cold Rolled Strip	...	...	...	...	...	...
D8	Electrical Sheet and Strip	254	281	235	252	212	129
D9	Tinplate, TFS and Strip	1,009	964	960	1,001	961	696
D10	Zinc Coated Sheet and Strip	...	...	...	...	...	...
D11	Other Coated Sheet and Strip	2,257	2,303	2,458	2,560	2,702	1,785
D	<b>Total Flat Products</b>	<b>11,298</b>	<b>11,122</b>	<b>10,719</b>	<b>10,747</b>	<b>10,327</b>	<b>6,954</b>
E1	Steel Tubes, Seamless	...	...	...	...	...	...
E2	Steel Tubes, Welded	...	...	...	...	...	...
E	<b>Total Steel Tubes</b>	...	...	...	...	...	...
F	Railway Tyres, Wheels and Axles	...	...	...	...	...	...
T(A..F)	<b>Total All Products</b>	<b>17,246</b>	<b>16,889</b>	<b>16,590</b>	<b>16,561</b>	<b>15,465</b>	<b>11,292</b>
U	Adjustment to avoid double counting						
V(T-U)	<b>Net Totals #</b>	<b>17,246</b>	<b>16,889</b>	<b>16,590</b>	<b>16,561</b>	<b>15,465</b>	<b>11,292</b>
	# of which:						
V1	Stainless Steel Total	622	578	628	667	632	485
V2	Other Alloys Total	879	989	905	836	1,137	792

Due to the introduction of the new Harmonised System of reporting, some of these series are not strictly compatible with those shown on the preceding pages.

Notes:

a - C4 included in C2.

b - 9 months.

Table 6A

**TOTAL DELIVERIES OF STEEL PRODUCTS**

thousand metric tons

		All Grades		F.R. Germany		
		1988	1989	1990	1991	1992
A1	Solids for Seamless Tubes	2,693	2,478	2,099	2,158	1,592
A2	Ingots and Semis	2,942	2,544	2,270	2,189	2,117
B	Railway Track Material	259	224	217	370	330
C1	Heavy Sections	1,672	1,721	1,723	2,253	1,873
C2	Light Sections	2,048	2,047	1,942	1,224	1,777
C3	Reinforcing Bars	942	892	865	1,940	1,419
C4	Other Hot Rolled Bars	included in C2				
C5	Wire Rods	3,820	3,915	3,726	4,601	5,009
C6	Drawn Wire	...	...	...	...	...
C7	Cold Finished Bars	...	...	...	...	...
C	<b>Total Long Products</b>	<b>8,482</b>	<b>8,575</b>	<b>8,256</b>	<b>10,018</b>	<b>10,078</b>
D1	Hot Rolled Strip	2,169	2,344	2,238	2,156	2,032
D2	Hot Rolled Wide Coils (>3mm)	5,355	5,831	5,373	4,653	4,497
D3	Hot Rolled Wide Coils (<3mm)	...	...	...	...	...
D4	Hot Rolled Plates (>3mm)	3,904	4,028	3,420	4,312	3,974
D5	Hot Rolled Plates (<3mm)	102	60	53	92	83
D6	Cold Rolled Plates, Sheets, and Coils	4,907	5,125	4,663	5,208	4,981
D7	Cold Rolled Strip	...	...	...	...	...
D8	Electrical Sheet and Strip	460	505	472	473	558
D9	Tinplate, TFS and Strip	1,161	1,193	1,184	1,194	1,089
D10	Zinc Coated Sheet and Strip	2,976	3,179	3,201	3,726	3,903
D11	Other Coated Sheet and Strip	...	...	...	...	...
D	<b>Total Flat Products</b>	<b>21,034</b>	<b>22,265</b>	<b>20,604</b>	<b>21,814</b>	<b>21,117</b>
E1	Steel Tubes, Seamless	...	...	...	...	...
E2	Steel Tubes, Welded	...	...	...	...	...
E	<b>Total Steel Tubes</b>	...	...	...	...	...
F	Railway Tyres, Wheels and Axles	...	...	...	...	...
T(A..F)	<b>Total All Products</b>	<b>35,410</b>	<b>36,086</b>	<b>33,446</b>	<b>36,549</b>	<b>35,234</b>
U	Adjustment to avoid double counting					
V(T-U)	<b>Net Totals #</b>	<b>35,410</b>	<b>36,086</b>	<b>33,446</b>	<b>36,549</b>	<b>35,234</b>
	# of which:					
V1	Stainless Steel Total	994	963	1,042	1,041	...
V2	Other Alloys Total	1,995	2,126	1,989	1,803	...

Due to the introduction of the new Harmonised System of reporting, some of these series are not strictly compatible with those shown on the preceding pages.

Table 6A

**TOTAL DELIVERIES OF STEEL PRODUCTS**

thousand metric tons

	All Grades	Indonesia*			1991
		1988	1989	1990	
A1	Solids for Seamless Tubes	...	...	...	...
A2	Ingots and Semis	...	...	...	...
B	Railway Track Material	...	...	...	...
C1	Heavy Sections	87	94	176	528
C2	Light Sections				
C3	Reinforcing Bars				
C4	Other Hot Rolled Bars	841	928	1,391	
C5	Wire Rods				
C6	Drawn Wire	452	449	537	
C7	Cold Finished Bars	...	...	...	
C	<b>Total Long Products</b>	<b>1,380</b>	<b>1,471</b>	<b>2,104</b>	<b>2,009</b>
D1	Hot Rolled Strip				943
D2	Hot Rolled Wide Coils (>3mm)				
D3	Hot Rolled Wide Coils (<3mm)	944	1,300	1,325	
D4	Hot Rolled Plates (>3mm)	...	...	...	
D5	Hot Rolled Plates (<3mm)	...	...	...	
D6	Cold Rolled Plates, Sheets, and Coils	328	458	439	
D7	Cold Rolled Strip	...	...	...	
D8	Electrical Sheet and Strip	...	...	...	
D9	Tinplate, TFS and Strip	...	...	...	
D10	Zinc Coated Sheet and Strip	149	145	159	
D11	Other Coated Sheet and Strip	...	...	...	
D	<b>Total Flat Products</b>	<b>1,421</b>	<b>1,903</b>	<b>1,923</b>	<b>2,052</b>
E1	Steel Tubes, Seamless	...	...	...	...
E2	Steel Tubes, Welded	...	...	...	...
E	<b>Total Steel Tubes</b>	<b>244</b>	<b>274</b>	<b>327</b>	<b>375</b>
F	Railway Tyres, Wheels and Axles	...	...	...	...
T(A..F)	<b>Total All Products</b>	<b>3,045</b>	<b>3,648</b>	<b>4,354</b>	<b>4,436</b>
U	Adjustment to avoid double counting				598
V(T-U)	<b>Net Totals #</b>	<b>3,045</b>	<b>3,648</b>	<b>4,354</b>	<b>3,838</b>
	# of which:				
V1	Stainless Steel Total	...	...	...	...
V2	Other Alloys Total	...	...	...	...

\* - production not deliveries.

Due to the introduction of the new Harmonised System of reporting, some of these series are not strictly compatible with those shown on the preceding pages.



Table 6A

**TOTAL DELIVERIES OF STEEL PRODUCTS**

thousand metric tons

	All Grades	Japan				
		1988	1989	1990	1991	1992
A1	Solids for Seamless Tubes	...	...	...	...	...
A2	Ingots and Semis	...	...	...	...	...
B	Railway Track Material	395	342	385	411	441
C1	Heavy Sections	7,299	8,798	10,210	9,475	8,840
C2	Light Sections	11,904	12,723	13,139	12,793	11,424
C3	Reinforcing Bars					
C4	Other Hot Rolled Bars	12,035	12,669	13,821	13,345	10,658
C5	Wire Rods	7,501	7,392	7,311	7,017	6,567
C6	Drawn Wire	4,125	4,264	4,379	4,285	4,090
C7	Cold Finished Bars	1,280	1,341	1,396	1,358	1,179
C	<b>Total Long Products</b>	<b>44,144</b>	<b>47,187</b>	<b>50,256</b>	<b>48,273</b>	<b>42,758</b>
D1	Hot Rolled Strip					
D2	Hot Rolled Wide Coils (>3mm)					
D3	Hot Rolled Wide Coils (<3mm)	9,055	9,027	8,782	8,867	7,829
D4	Hot Rolled Plates (>3mm)	9,108	9,856	10,213	10,320	8,928
D5	Hot Rolled Plates (<3mm)	226	208	162	140	106
D6	Cold Rolled Plates, Sheets, and Coils	12,317	11,701	10,390	10,202	9,535
D7	Cold Rolled Strip	569	587	587	585	545
D8	Electrical Sheet and Strip	1,684	1,611	1,479	1,734	1,589
D9	Tinplate, TFS and Strip	1,783	1,744	1,719	1,827	1,892
D10	Zinc Coated Sheet and Strip	10,803	11,727	12,287	12,924	12,272
D11	Other Coated Sheet and Strip	2,051	2,026	2,074	2,112	2,062
D	<b>Total Flat Products</b>	<b>47,596</b>	<b>48,487</b>	<b>47,693</b>	<b>48,711</b>	<b>44,758</b>
E1	Steel Tubes, Seamless	2,886	...	...	...	...
E2	Steel Tubes, Welded	8,077	...	...	...	...
E	<b>Total Steel Tubes</b>	<b>10,963</b>	<b>11,013</b>	<b>10,358</b>	<b>10,898</b>	<b>9,524</b>
F	Railway Tyres, Wheels and Axles	34	40	51	37	40
T(A..F)	<b>Total All Products</b>	<b>103,132</b>	<b>107,069</b>	<b>108,743</b>	<b>108,330</b>	<b>97,521</b>
U	Adjustment to avoid double counting	5,405	5,605	5,776	5,642	5,269
V(T-U)	<b>Net Totals #</b>	<b>97,727</b>	<b>101,464</b>	<b>102,967</b>	<b>102,688</b>	<b>92,252</b>
	# of which:					
V1	Stainless Steel Total	...	...	...	...	...
V2	Other Alloys Total	...	...	...	...	...

Due to the introduction of the new Harmonised System of reporting, some of these series are not strictly compatible with those shown on the preceding pages.

Table 6A

**TOTAL DELIVERIES OF STEEL PRODUCTS**

thousand metric tons

	All Grades	Republic of Korea*					Norway		
		1987	1988	1989	1990	1991	1992	1992	
A1	Solids for Seamless Tubes	...	...	...	...	...	...		
A2	Ingots and Semis	...	...	...	...	...	...		
B	Railway Track Material	125	93	60	78	78	94		
C1	Heavy Sections							155	
C2	Light Sections	1,305	1,469	1,593	1,823	1,930	2,044		
C3	Reinforcing Bars	3,401	3,605	4,080	4,722	5,231	6,167		
C4	Other Hot Rolled Bars	879	993	972	1,157	1,321	1,120	350	
C5	Wire Rods	1,152	1,161	1,598	1,658	1,534	1,812		
C6	Drawn Wire	(619)	(708)	(694)	(757)	(752)	(894) a	30	
C7	Cold Finished Bars	included in C4							
C	<b>Total Long Products</b>	<b>6,737</b>	<b>7,227</b>	<b>8,243</b>	<b>9,360</b>	<b>10,016</b>	<b>11,143</b>	<b>535</b>	
D1	Hot Rolled Strip	58	48	48					
D2	Hot Rolled Wide Coils (>3mm)								
D3	Hot Rolled Wide Coils (<3mm)	2,428	3,038	3,459	4,163	4,958	4,941		
D4	Hot Rolled Plates (>3mm)	2,381	2,311	2,262	2,717	3,034	2,931		
D5	Hot Rolled Plates (<3mm)	483	538	455					
D6	Cold Rolled Plates, Sheets, and Coils	1,762	1,896	2,732	3,075	3,769	3,959	15	
D7	Cold Rolled Strip	71	103	110					
D8	Electrical Sheet and Strip	113	140	153					
D9	Tinplate, TFS and Strip	225	244	273	317	379	429	105	
D10	Zinc Coated Sheet and Strip	911	786	1,204	1,779	2,301	2,492		
D11	Other Coated Sheet and Strip	26	28	25	...	...	...		
D	<b>Total Flat Products</b>	<b>8,459</b>	<b>9,133</b>	<b>10,720</b>	<b>12,051</b>	<b>14,441</b>	<b>14,752</b>	<b>120</b>	
E1	Steel Tubes, Seamless	...	...	...	...	...	...		
E2	Steel Tubes, Welded	...	...	...	...	...	...	65	
E	<b>Total Steel Tubes</b>	<b>1,883</b>	<b>2,112</b>	<b>2,410</b>	<b>2,657</b>	<b>2,867</b>	<b>2,543</b>	<b>65</b>	
F	Railway Tyres, Wheels and Axles	302	322	323	...	...	...	...	
T(A..F)	<b>Total All Products</b>	<b>17,507</b>	<b>18,887</b>	<b>21,756</b>	<b>24,146</b>	<b>27,402</b>	<b>28,532</b>	<b>720</b>	
U	Adjustment to avoid double counting								
V(T-U)	<b>Net Totals #</b>	<b>17,507</b>	<b>18,887</b>	<b>21,756</b>	<b>24,146</b>	<b>27,402</b>	<b>28,532</b>	<b>720</b>	
	# of which:								
V1	Stainless Steel Total	...	...	...	...	...	...	...	
V2	Other Alloys Total	...	...	...	...	...	...	...	

\* - production not deliveries.

Due to the introduction of the new Harmonised System of reporting, some of these series are not strictly compatible with those shown on the preceding pages.

Notes:

a - not included in totals to avoid double counting.

Table 6A

**TOTAL DELIVERIES OF STEEL PRODUCTS**

thousand metric tons

		All Grades		Portugal		
		1988	1989	1990	1991	1992
A1	Solids for Seamless Tubes	...	...	...	0	
A2	Ingots and Semis	2		1	2	11
B	Railway Track Material	10	0	0		
C1	Heavy Sections	27			22	27
C2	Light Sections	55	27	21	73	48
C3	Reinforcing Bars	458	440	413	339	332
C4	Other Hot Rolled Bars	46	104	89		73
C5	Wire Rods	108	100	105	61	122
C6	Drawn Wire					
C7	Cold Finished Bars		inc. in C4			
<b>C</b>	<b>Total Long Products</b>	<b>694</b>	<b>670</b>	<b>629</b>	<b>496</b>	<b>662</b>
D1	Hot Rolled Strip					
D2	Hot Rolled Wide Coils (>3mm)					
D3	Hot Rolled Wide Coils (<3mm)					
D4	Hot Rolled Plates (>3mm)					
D5	Hot Rolled Plates (<3mm)					
D6	Cold Rolled Plates, Sheets, and Coils	89	71	64	58	59
D7	Cold Rolled Strip					
D8	Electrical Sheet and Strip					
D9	Tinplate, TFS and Strip	59	52	55	57	65
D10	Zinc Coated Sheet and Strip	75	98	106	94	97
D11	Other Coated Sheet and Strip					
<b>D</b>	<b>Total Flat Products</b>	<b>223</b>	<b>221</b>	<b>225</b>	<b>209</b>	<b>157</b>
E1	Steel Tubes, Seamless					
E2	Steel Tubes, Welded					
<b>E</b>	<b>Total Steel Tubes</b>					
F	Railway Tyres, Wheels and Axles					
<b>T(A..F)</b>	<b>Total All Products</b>	<b>929</b>	<b>891</b>	<b>855</b>	<b>706</b>	<b>882</b>
U	Adjustment to avoid double counting					
<b>V(T-U)</b>	<b>Net Totals #</b>	<b>929</b>	<b>891</b>	<b>855</b>	<b>706</b>	<b>882</b>
	# of which:					
V1	Stainless Steel Total	...	6	95	...	1
V2	Other Alloys Total					

Due to the introduction of the new Harmonised System of reporting, some of these series are not strictly compatible with those shown on the preceding pages.

Notes:  
a - 9 months.

Table 6A

## TOTAL DELIVERIES OF STEEL PRODUCTS

thousand metric tons

	All Grades	Spain		Sweden				
		1991	1992	1988	1989	1990	1991	1992
A1	Solids for Seamless Tubes	392	265	...	...	...	...	...
A2	Ingots and Semis	273	364	521	417	269	296	261
B	Railway Track Material	87	55	45	46	41	24	
C1	Heavy Sections	1,214	1,089					
C2	Light Sections	371	308	159	158	141	84	82
C3	Reinforcing Bars	2,721	2,712	246	259	285	189	230
C4	Other Hot Rolled Bars	608	670	553	488	439	423	450
C5	Wire Rods	1,235	1,359	224	97	74	67	69
C6	Drawn Wire	...	...	44	30	23	21	23
C7	Cold Finished Bars	...	...	100	102	86	76	78
C	<b>Total Long Products</b>	<b>6,149</b>	<b>6,138</b>	<b>1,326</b>	<b>1,134</b>	<b>1,048</b>	<b>860</b>	<b>932</b>
D1	Hot Rolled Strip	340	238	128	116	110	84	98
D2	Hot Rolled Wide Coils (>3mm)	686	569					
D3	Hot Rolled Wide Coils (<3mm)	513	449	260	331	416	512	567
D4	Hot Rolled Plates (>3mm)	630	578					
D5	Hot Rolled Plates (<3mm)	5	8	729	767	743	817	778
D6	Cold Rolled Plates, Sheets, and Coils	1,430	1,256	544	538	523	518	554
D7	Cold Rolled Strip			123	122	114	107	118
D8	Electrical Sheet and Strip	50	17	included in D6				
D9	Tinplate, TFS and Strip	519	506					
D10	Zinc Coated Sheet and Strip	641	608					
D11	Other Coated Sheet and Strip	79	68	380	433	419	420	467
D	<b>Total Flat Products</b>	<b>4,893</b>	<b>4,297</b>	<b>2,164</b>	<b>2,307</b>	<b>2,325</b>	<b>2,459</b>	<b>2,582</b>
E1	Steel Tubes, Seamless	...	...	179	175	144	115	114
E2	Steel Tubes, Welded	...	...	94	79	87	82	79
E	<b>Total Steel Tubes</b>	<b>...</b>	<b>...</b>	<b>273</b>	<b>254</b>	<b>231</b>	<b>197</b>	<b>193</b>
F	Railway Tyres, Wheels and Axles	...	...	...	...	...	...	...
T(A..F)	<b>Total All Products</b>	<b>11,794</b>	<b>11,119</b>	<b>4,329</b>	<b>4,156</b>	<b>3,914</b>	<b>3,836</b>	<b>3,968</b>
U	Adjustment to avoid double counting							
V(T-U)	<b>Net Totals #</b>	<b>11,794</b>	<b>11,119</b>	<b>4,329</b>	<b>4,156</b>	<b>3,914</b>	<b>3,836</b>	<b>3,704</b>
	# of which:							
V1	Stainless Steel Total	...	...	336	315	318	299	320
V2	Other Alloys Total	...	...	770	781	707	649	656

Due to the introduction of the new Harmonised System of reporting, some of these series are not strictly compatible with those shown on the preceding pages.

Table 6A

**TOTAL DELIVERIES OF STEEL PRODUCTS**

thousand metric tons

	All Grades	United Kingdom					1993b
		1988	1989	1990	1991	1992	
A1	Solids for Seamless Tubes	533	471	438	236	179	133
A2	Ingots and Semis	1,904	1,726	1,480	1,539	1,130	911
B	Railway Track Material	220	231	235	203	153	114
C1	Heavy Sections	2,228	2,253	2,303	2,053	2,172	1,678
C2	Light Sections	346	321	345	302	355	259
C3	Reinforcing Bars	715	720	691	647	563	534
C4	Other Hot Rolled Bars	944	1,065	1,059	940	1,154	807
C5	Wire Rods	1,813	1,914	1,898	1,828	1,833	1,456
C6	Drawn Wire	...	...	...	...	...	...
C7	Cold Finished Bars	342	340	318	257	281	222
<b>C</b>	<b>Total Long Products</b>	<b>6,387</b>	<b>6,613</b>	<b>6,614</b>	<b>6,026</b>	<b>6,358</b>	<b>4,957</b>
D1	Hot Rolled Strip	352	350	284	237	141	110
D2	Hot Rolled Wide Coils (>3mm)						
D3	Hot Rolled Wide Coils (<3mm)						
D4	Hot Rolled Plates (>3mm)						
D5	Hot Rolled Plates (<3mm)	3,058	3,119	2,918	2,654	2,566	1,997
D6	Cold Rolled Plates, Sheets, and Coils	3,641	3,728	3,560	3,323	3,488	2,701
D7	Cold Rolled Strip	404	398	366	297	236	182
D8	Electrical Sheet and Strip						a
D9	Tinplate, TFS and Strip	1,042	976	860	755	842	638
D10	Zinc Coated Sheet and Strip						a
D11	Other Coated Sheet and Strip						a
<b>D</b>	<b>Total Flat Products</b>	<b>8,497</b>	<b>8,571</b>	<b>7,987</b>	<b>7,266</b>	<b>7,273</b>	<b>5,628</b>
E1	Steel Tubes, Seamless	364	397	377	362	286	183
E2	Steel Tubes, Welded	1,117	1,122	1,088	899	901	707
<b>E</b>	<b>Total Steel Tubes</b>	<b>1,482</b>	<b>1,519</b>	<b>1,465</b>	<b>1,260</b>	<b>1,187</b>	<b>890</b>
F	Railway Tyres, Wheels and Axles	...	...	...	...	...	...
<b>T(A..F)</b>	<b>Total All Products</b>	<b>19,023</b>	<b>19,131</b>	<b>18,219</b>	<b>16,531</b>	<b>16,280</b>	<b>12,633</b>
U	Adjustment to avoid double counting	2,342	2,252	2,139	1,500	1,378	1,148
<b>V(T-U)</b>	<b>Net Totals #</b>	<b>16,681</b>	<b>16,879</b>	<b>16,080</b>	<b>15,032</b>	<b>14,902</b>	<b>11,485</b>
	# of which:						
V1	Stainless Steel Total	362	313	325	325	330	287
V2	Other Alloys Total	900	893	812	654	712	527

Due to the introduction of the new Harmonised System of reporting, some of these series are not strictly compatible with those shown on the preceding pages.

Notes:

a - D8, D10, and D11 included in D6.

b - 9 months.

Table 6A

**TOTAL DELIVERIES OF STEEL PRODUCTS**

thousand metric tons

	All Grades	United States (a)				
		1988	1989	1990	1991	1992
A1	Solids for Seamless Tubes					
A2	Ingots and Semis	1,749	1,890	1,803	2,312	2,241
B	Railway Track Material	558	510	470	441	511
C1	Heavy Sections	4,726	4,858	5,527	5,149	5,021
C2	Light Sections	1,246	1,194	1,109	1,050	1,015
C3	Reinforcing Bars	4,618	4,550	4,812	4,408	4,337
C4	Other Hot Rolled Bars	5,860	5,716	6,037	4,927	5,267
C5	Wire Rods	3,672	3,768	3,924	3,960	4,092
C6	Drawn Wire	973	909	833	785	816
C7	Cold Finished Bars	1,360	1,335	1,348	1,217	1,323
C	<b>Total Long Products</b>	<b>22,456</b>	<b>22,330</b>	<b>23,590</b>	<b>21,496</b>	<b>21,871</b>
D1	Hot Rolled Strip	1,091	984	628	483	499
D2	Hot Rolled Wide Coils (>3mm)		2,084	2,552	2,419	2,486
D3	Hot Rolled Wide Coils (<3mm)					b
D4	Hot Rolled Plates (>3mm)	4,576	4,615	4,665	3,878	3,957
D5	Hot Rolled Plates (<3mm)	11,421	11,701	12,145	11,939	12,120
D6	Cold Rolled Plates, Sheets, and Coils	14,912	12,850	12,218	10,686	11,722
D7	Cold Rolled Strip	854	789	740	685	755
D8	Electrical Sheet and Strip	475	439	441	415	396
D9	Tinplate, TFS and Strip	3,435	3,452	3,412	3,439	3,354
D10	Zinc Coated Sheet and Strip	9,298	9,700	9,021	8,172	9,606
D11	Other Coated Sheet and Strip	1,145	1,249	1,142	1,040	1,223
D	<b>Total Flat Products</b>	<b>47,206</b>	<b>47,863</b>	<b>46,964</b>	<b>43,158</b>	<b>46,118</b>
E1	Steel Tubes, Seamless	4,031	3,638	4,220	4,071	3,808
E2	Steel Tubes, Welded					
E	<b>Total Steel Tubes</b>	<b>4,031</b>	<b>3,638</b>	<b>4,220</b>	<b>4,071</b>	<b>3,808</b>
F	Railway Tyres, Wheels and Axles					
T(A..F)	<b>Total All Products</b>	<b>75,999</b>	<b>76,231</b>	<b>77,047</b>	<b>71,478</b>	<b>74,549</b>
U	Adjustment to avoid double counting					
V(T-U)	<b>Net Totals #</b>	<b>75,999</b>	<b>76,231</b>	<b>77,047</b>	<b>71,478</b>	<b>74,549</b>
	# of which:					
V1	Stainless Steel Total	1,439	1,336	1,375	1,314	1,373
V2	Other Alloys Total	4,071	3,758	4,215	3,553	3,662

Due to the introduction of the new Harmonised System of reporting, some of these series are not strictly compatible with those shown on the preceding pages.

Notes:

a - new series.

b - D3 included in D5.

Table 7

## EXPORTS OF SEMI-FINISHED AND FINISHED STEEL PRODUCTS

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium-Luxembourg	11,257	12,586	12,634	11,760	12,388	14,198	14,005	14,586	14,368	13,105
Denmark	799	640	543	577	618	645	640	604	657	680
France	9,529	11,187	11,408	10,966	11,039	11,338	11,485	11,362	11,957	11,732
F.R. Germany (1)	16,675	18,910	20,690	18,689	18,885	18,977	19,878	19,076	19,649	18,907
Greece	487	705	708	723	630	542	884	811	892	948
Ireland	113	143	187	191	213	245	316	312	278	262
Italy	7,367	7,779	8,007	7,247	7,234	6,775	7,743	7,977	8,954	9,568
Netherlands	4,231	5,105	5,137	5,166	5,215	5,600	5,763	5,697	6,247	6,001
Portugal	166	229	327	243	161	119	147	179	148	271
Spain	5,685	6,541	7,781	5,195	4,776	3,899	4,458	4,174	4,810	4,684
United Kingdom	4,083	4,138	4,893	5,289	6,450	6,676	6,735	7,091	7,961	8,335
<b>European Union</b>	<b>60,392</b>	<b>67,963</b>	<b>72,315</b>	<b>66,046</b>	<b>67,608</b>	<b>69,013</b>	<b>72,055</b>	<b>71,869</b>	<b>75,920</b>	<b>74,493</b>
Austria	2,705	3,193	3,185	2,809	3,053	3,076	3,111	3,201	2,956	2,939
Croatia										101
Cyprus										9
Finland	1,070	1,143	1,333	1,274	1,540	1,424	1,469	1,636	1,931	2,175
Norway	704	733	754	570	760	718	650	560	566	611
Slovenia										294
Sweden	2,326	2,826	3,089	2,867	2,854	2,915	2,809	2,746	3,051	3,265
Switzerland	893	924	913	908	865	820	867	908	1,047	1,114
Turkey	1,051	1,388	2,720	2,633	2,177	2,805	3,343	4,299	4,615	5,017
Yugoslavia	571	895	1,135	916	1,711	1,878	1,028	1,610	1,140	
<b>Other Western Europe</b>	<b>9,320</b>	<b>11,102</b>	<b>13,129</b>	<b>11,977</b>	<b>12,960</b>	<b>13,636</b>	<b>13,277</b>	<b>14,960</b>	<b>15,305</b>	<b>15,525</b>
<b>Western Europe</b>	<b>69,712</b>	<b>79,065</b>	<b>85,444</b>	<b>78,022</b>	<b>80,569</b>	<b>82,649</b>	<b>85,332</b>	<b>86,828</b>	<b>91,225</b>	<b>90,018</b>
Bulgaria	896	1,039	920	959	792	528	675	434	623	849
Czechoslovakia	3,518	3,776	3,893	3,980	4,128	4,027	3,803	3,713	4,686	5,312
German Dem. Rep.	4,245	4,208	4,094	4,278	4,882	4,650	3,102	3,355		
Hungary	1,135	1,423	1,268	1,292	1,231	1,550	1,350	1,349	1,457	992
Poland	2,336	2,296	2,187	2,234	2,257	2,348	2,382	3,337	3,689	3,475
Romania	2,175	2,779	2,932	3,060	3,100	3,100	3,383	1,863	997	827
<b>Eastern Europe</b>	<b>14,305</b>	<b>15,520</b>	<b>15,294</b>	<b>15,803</b>	<b>16,390</b>	<b>16,203</b>	<b>14,696</b>	<b>14,050</b>	<b>11,452</b>	<b>11,455</b>
<b>Europe</b>	<b>84,017</b>	<b>94,585</b>	<b>100,738</b>	<b>93,825</b>	<b>96,958</b>	<b>98,852</b>	<b>100,028</b>	<b>100,878</b>	<b>102,677</b>	<b>101,473</b>
Belarus									106	...
Kazakhstan									...	2,500 E
Russia									...	5,891
Ukraine									...	10,000 E
<b>C.I.S.</b>										<b>18,191</b>
Estonia									...	8
Latvia									362	93
<b>former U.S.S.R.</b>	<b>5,320</b>	<b>5,473</b>	<b>8,738</b>	<b>9,305</b>	<b>9,118</b>	<b>9,248</b>	<b>9,120</b>	<b>8,480</b>	<b>5,354</b>	<b>4,100 E</b>
Canada	2,681	3,087	3,207	3,461	3,819	3,687	3,715	3,799	4,572	5,463
United States	1,087	889	845	843	1,024	1,877	4,153	3,903	5,757	3,890
<b>North America</b>	<b>3,768</b>	<b>3,977</b>	<b>4,052</b>	<b>4,304</b>	<b>4,843</b>	<b>5,564</b>	<b>7,868</b>	<b>7,702</b>	<b>10,329</b>	<b>9,353</b>

**Table 7**  
(continued)

**EXPORTS OF SEMI-FINISHED AND FINISHED STEEL PRODUCTS**

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Argentina	677	537	1,111	1,174	1,053	1,548	2,200	1,992	1,315	810
Brazil	5,132	6,464	7,109	6,139	6,546	10,916	10,771	8,996	10,900	11,784
Chile	146	99	100	127	94	65	14	140	191	181
Colombia	0	0	0	0	0	0	0	72	85	162
Costa Rica	0	8	9	14	14	22	14	1	2	2 E
El Salvador	0	0	0	1	1	1	1	1	2	2 E
Guatemala	16	11	8	9	10	10	10	11	10	10 E
Honduras	1	0	0	0	0	0	1	2	3	3 E
Mexico	1,004	894	433	1,209	1,359	1,299	1,129	1,670	1,429	1,707
Nicaragua	11	9	4	6	6	6	6	6	6	5 E
Panama	0	0	0	0	0	0	0	0	1	1 E
Peru	15	2	19	2	0	0	4	2	0	0
Trinidad & Tobago	136	110	86	146	153	165	177	194	214	200 E
Uruguay	1	1	1	14	10	8	14	5	7	10 E
Venezuela	852	801	1,266	913	1,041	824	1,162	1,627	1,482	1,730
Others	10	9	6	16	30	15	15	15	20	20 E
<b>Latin America</b>	<b>7,999</b>	<b>8,945</b>	<b>10,153</b>	<b>9,770</b>	<b>10,318</b>	<b>14,879</b>	<b>15,517</b>	<b>14,735</b>	<b>15,667</b>	<b>16,627</b>
Egypt	33	11	17	38	61	66	70	175	190	200
South Africa	1,739	1,708	2,899	3,164	2,636	2,145	1,842	2,948	3,571	4,018
Tunisia	2	9	15	28	25	30	49	42	76	99
Zimbabwe	383	318	356	364	320	323	336	251	210	205
<b>Africa</b>	<b>2,157</b>	<b>2,046</b>	<b>3,287</b>	<b>3,594</b>	<b>3,042</b>	<b>2,564</b>	<b>2,297</b>	<b>3,416</b>	<b>4,047</b>	<b>4,522</b>
Israel	2	3	39	16	15	15	15	20	20	20 E
Jordan	2	4	5	5	5	5	5	5	5	5 E
Kuwait	176	104	100	100	100	100	100	75	0	0 E
Qatar	395	443	480	480	480	480	480	541	497	482
Saudi Arabia		100	400	420	550	380	400	668	292	300 E
<b>Middle East</b>	<b>575</b>	<b>654</b>	<b>1,024</b>	<b>1,021</b>	<b>1,150</b>	<b>980</b>	<b>1,000</b>	<b>1,309</b>	<b>815</b>	<b>807</b>
P.R. China	492	203	181	197	277	159	781	2,090	3,293	3,701
Hong Kong	307	628	887	731	251	393	395	411	450	500 E
India	25	154	15	27	43	119	246	183	427	763
Indonesia	0	50	111	225	691	845	560	353	706	670
Japan	30,875	31,929	31,527	28,707	25,217	23,304	19,743	16,631	17,916	18,564
R.o.Korea	5,639	5,848	5,650	5,860	6,040	6,992	7,346	7,231	7,670	10,369
Malaysia	28	84	72	75	75	75	75	75	435	660
Philippines	3	0	4	1	4	5	15	30	89	42
Singapore	316	409	369	411	465	585	680	661	589	716
Taiwan (R.o.C.)	2,090	1,951	1,885	1,443	1,102	1,656	1,596	1,754	1,610	2,090
Thailand (E:1988-90)	38	69	148	150	269	250	200	200	185	180
Viet Nam	...	...	...	...	...	...	...	...	30	31
<b>Asia</b>	<b>39,813</b>	<b>41,325</b>	<b>40,849</b>	<b>37,827</b>	<b>34,434</b>	<b>34,382</b>	<b>31,637</b>	<b>29,619</b>	<b>33,400</b>	<b>38,287</b>
Australia	1,294	900	1,400	1,203	1,115	790	1,066	1,802	1,981	1,914
New Zealand	120	150	150	150	140	72	312	363	415	536
<b>Oceania</b>	<b>1,414</b>	<b>1,050</b>	<b>1,550</b>	<b>1,353</b>	<b>1,255</b>	<b>862</b>	<b>1,378</b>	<b>2,165</b>	<b>2,396</b>	<b>2,450</b>
<b>World</b>	<b>145,064</b>	<b>158,056</b>	<b>170,391</b>	<b>160,999</b>	<b>161,119</b>	<b>167,330</b>	<b>168,844</b>	<b>168,304</b>	<b>174,685</b>	<b>177,618</b>
of which:										
Total Industrial Cts.	107,508	117,729	125,472	115,550	114,520	114,524	116,162	116,274	125,437	124,402
Total Developing Cts.	17,438	19,130	20,706	20,144	20,814	27,197	28,085	27,410	29,149	33,959
Total Western World	124,947	136,859	146,178	135,694	135,334	141,721	144,248	143,684	154,586	158,362
Total C.P.E.s/E.i.T.s	20,117	21,197	24,213	25,305	25,785	25,610	24,597	24,620	20,099	19,256

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Shaded figures are not included in totals.



Table 8

## IMPORTS OF SEMI-FINISHED AND FINISHED STEEL PRODUCTS

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium-Luxembourg	3,256	3,536	3,518	3,509	3,780	5,126	4,701	4,696	4,991	4,804
Denmark	1,447	1,548	1,690	1,629	1,503	1,595	1,699	1,685	1,719	1,985
France	7,576	8,173	7,900	7,996	8,469	9,422	9,898	10,520	10,301	10,039
F.R. Germany (1)	11,924	11,635	12,214	12,942	12,543	14,054	15,106	15,268	16,848	17,783
Greece	1,539	1,262	1,404	1,453	1,494	1,400	1,768	1,645	2,139	1,751
Ireland	334	369	361	328	358	435	490	461	424	427
Italy	4,787	5,760	6,241	6,957	7,776	9,076	10,073	10,687	10,282	10,402
Netherlands	3,231	3,767	4,057	4,136	3,822	4,630	4,903	5,176	5,213	4,958
Portugal	652	642	695	672	841	1,237	2,357	1,956	1,991	2,257
Spain	1,081	1,133	1,452	2,588	2,432	2,696	3,168	3,453	3,378	3,567
United Kingdom	3,429	3,646	3,865	4,233	4,391	5,225	5,500	5,405	5,571	5,459
<b>European Union</b>	<b>39,256</b>	<b>41,471</b>	<b>43,397</b>	<b>46,443</b>	<b>47,409</b>	<b>54,896</b>	<b>59,662</b>	<b>60,951</b>	<b>62,856</b>	<b>63,431</b>
Austria	895	996	1,041	1,211	1,169	1,343	1,522	1,742	1,824	1,887
Croatia										276
Cyprus									193	227
Finland	624	616	704	687	809	688	889	862	648	657
Iceland									39	34
Norway	1,037	1,140	1,163	1,184	1,103	1,077	1,090	1,280	1,170	1,242
Slovenia										407
Sweden	1,820	1,959	1,754	1,841	1,938	2,117	2,136	2,068	1,744	1,843
Switzerland	1,821	2,026	2,033	2,087	2,168	2,392	2,495	2,414	2,138	1,999
Turkey	1,408	2,203	3,070	2,155	1,897	1,589	2,815	2,160	2,492	2,723
Yugoslavia	1,547	1,548	1,663	2,142	3,442	2,471	1,356	792	539	
Others	149	165	167	225	197	270	240	250		
<b>Other Western Europe</b>	<b>9,301</b>	<b>10,653</b>	<b>11,595</b>	<b>11,532</b>	<b>12,723</b>	<b>11,947</b>	<b>12,543</b>	<b>11,568</b>	<b>10,787</b>	<b>11,295</b>
<b>Western Europe</b>	<b>48,557</b>	<b>52,124</b>	<b>54,992</b>	<b>57,974</b>	<b>60,132</b>	<b>66,843</b>	<b>72,205</b>	<b>72,519</b>	<b>73,643</b>	<b>74,726</b>
Albania	120	120	120	120	120	120	120	120	100	80 E
Bulgaria (E: 1988)	1,262	1,123	1,029	1,003	883	800	674	112	80	312
Czechoslovakia	530	751	835	918	692	512	308	253	247	354
German Dem. Rep.	5,744	5,097	5,169	5,183	5,487	5,250	5,100	3,210		
Hungary	1,096	1,069	1,041	1,111	1,075	1,170	946	643	505	568
Poland	1,240	1,295	1,363	1,324	1,219	1,271	1,056	227	199	398
Romania	978	683	840	1,335	1,199	1,271	501	607	231	217
<b>Eastern Europe</b>	<b>10,970</b>	<b>10,138</b>	<b>10,397</b>	<b>10,994</b>	<b>10,675</b>	<b>10,394</b>	<b>8,705</b>	<b>5,172</b>	<b>1,362</b>	<b>1,929</b>
<b>Europe</b>	<b>59,527</b>	<b>62,262</b>	<b>65,389</b>	<b>68,968</b>	<b>70,807</b>	<b>77,237</b>	<b>80,910</b>	<b>77,691</b>	<b>75,005</b>	<b>76,655</b>
Belarus									72	...
Russia									...	13,447
<b>C.I.S.</b>										<b>13,447</b>
Estonia									...	41
Latvia									302	70 E
<b>former U.S.S.R. (E)</b>	<b>9,302</b>	<b>9,514</b>	<b>10,713</b>	<b>10,100</b>	<b>10,000</b>	<b>10,500</b>	<b>10,200</b>	<b>7,060</b>	<b>4,610</b>	<b>2,000 E</b>
Canada	1,288	1,924	2,382	2,157	2,763	3,821	2,631	2,806	2,484	2,324
United States	15,486	23,735	22,004	18,772	18,520	18,952	15,713	15,575	14,375	15,490
<b>North America</b>	<b>16,773</b>	<b>25,659</b>	<b>24,386</b>	<b>20,928</b>	<b>21,282</b>	<b>22,773</b>	<b>18,344</b>	<b>18,381</b>	<b>16,859</b>	<b>17,814</b>

**Table 8**  
(continued)

**IMPORTS OF SEMI-FINISHED AND FINISHED STEEL PRODUCTS**

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Argentina	654	899	461	553	762	989	419	181	583	1,222
Bolivia	29	51	32	35	72	73	75	46	48	50 E
Brazil	85	102	102	566	520	113	305	196	158	176
Chile	25	71	76	167	174	167	196	280	401	544
Colombia	394	530	604	480	416	492	506	526	368	401
Costa Rica	97	133	138	110	53	134	191	104	60	120 E
Cuba	475	540	590	590	600	600	600	500	100	60 E
Dominican Republic	67	104	52	62	78	52	154	94	85	80 E
Ecuador	120	240	344	237	146	192	272	231	184	200 E
El Salvador	43	55	54	65	45	48	51	54	57	60 E
Guatemala	96	94	101	107	83	95	100	121	61	130 E
Honduras	51	50	58	45	37	38	62	57	59	70 E
Mexico	429	701	680	516	338	532	649	1,157	2,386	2,993
Nicaragua	70	43	90	90	99	104	107	110	116	120 E
Panama	67	72	81	83	82	32	29	44	60	80 E
Paraguay	37	27	31	35	38	40	43	45	30	30 E
Peru	49	118	135	62	74	120	81	93	133	156
Trinidad and Tobago	94	90	98	74	82	86	91	95	100	100 E
Uruguay	28	39	26	63	102	68	81	68	80	80 E
Venezuela	259	211	151	238	403	389	315	428	971	547
Others	195	302	190	162	155	207	183	200	150	100 E
<b>Latin America</b>	<b>3,364</b>	<b>4,472</b>	<b>4,093</b>	<b>4,340</b>	<b>4,358</b>	<b>4,573</b>	<b>4,511</b>	<b>4,630</b>	<b>6,190</b>	<b>7,319</b>
Algeria	1,391	1,561	1,482	1,500	1,250	1,250	1,300	1,300	1,000	1,100 E
Egypt	1,353	1,225	1,980	4,016	2,144	2,200	2,300	2,300	2,300	2,400 E
Kenya	161	171	218	150	232	186	179	172	180	154
Libyan Arab Republic	551	309	490	282	361	400	486	547	567	177
Morocco	540	683	649	448	494	517	603	518	500	600 E
Nigeria	606	339	594	258	407	335	198	204	190	700 E
South Africa	179	243	125	91	114	191	178	148	157	190
Tanzania	70	58	56	42	51	50	55	50	50	60 E
Tunisia	421	317	309	278	256	382	353	449	419	663
Zaire	50	73	24	19	27	59	46	27	30	30 E
Zambia	8	11	23	24	2	5	5	5	5	5 E
Zimbabwe	102	62	109	113	80	100	100	141	134	150 E
Other Africa	750	1,000	1,000	800	600	600	600	600	600	600 E
<b>Africa</b>	<b>6,182</b>	<b>6,052</b>	<b>7,059</b>	<b>8,021</b>	<b>6,019</b>	<b>6,275</b>	<b>6,404</b>	<b>6,461</b>	<b>6,132</b>	<b>6,829</b>
Bahrain	117	105	94	51	25	33	40	27	39	24
Iran	4,392	3,250	4,532	3,036	4,147	3,100	3,600	4,900	5,500	6,000 E
Iraq	1,000	750	852	394	579	580	782	650	0	0 E
Israel	346	422	437	506	600	600	650	700	850	900 E
Jordan	371	306	249	359	332	350	350	350	150	200 E
Kuwait	767	1,059	406	443	204	229	145	105	43	195
Lebanon	340	443	320	166	97	100	100	100	150	150 E
Oman	256	387	452	246	250	250	250	250	250	250 E
Qatar	70	39	104	98	100	100	100	100	8	5 E
Saudi Arabia	4,645	3,311	2,681	2,180	1,580	2,590	1,450	1,571	2,000	2,000 E
Syrian Arab Republic	404	737	980	181	104	94	110	123	159	161
Other	2,500	2,500	2,500	1,500	1,000	1,000	1,000	1,000	1,000	1,000 E
<b>Middle East</b>	<b>15,208</b>	<b>13,309</b>	<b>13,607</b>	<b>9,160</b>	<b>9,018</b>	<b>9,026</b>	<b>8,577</b>	<b>9,876</b>	<b>10,149</b>	<b>10,885</b>

**Table 8**  
(continued)

**IMPORTS OF SEMI-FINISHED AND FINISHED STEEL PRODUCTS**

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Bangladesh	142	225	320	278	257	299	268	271	178	167
P.R. China	9,780	13,315	19,635	17,422	11,749	8,511	8,197	3,683	3,326	8,052
Hong Kong	1,805	2,063	2,393	2,553	1,790	2,760	1,777	1,787	1,326	2,002
India	1,727	1,569	2,166	2,455	2,004	1,921	1,744	1,394	1,036	958
Indonesia	1,614	1,328	986	1,193	1,140	1,400	1,175	1,934	1,916	1,943
Japan	2,744	4,003	2,903	3,308	4,981	6,871	7,250	7,127	9,035	6,202
D.P.R. Korea (E)	400	400	400	400	400	400	400	400	400	400 E
R.o.Korea	2,144	2,934	2,632	2,909	3,761	3,382	3,806	5,563	8,491	6,078
Malaysia	1,974	1,877	1,454	1,066	1,120	1,101	1,368	1,727	3,078	3,248
Pakistan	1,115	768	775	700	600	600	600	600	600	600 E
Philippines	1,238	533	346	549	1,070	844	1,215	861	1,446	2,070
Singapore	2,400	2,040	1,697	1,625	1,681	2,205	2,399	2,837	3,158	3,047
Taiwan (R.o.C.)	1,341	1,507	1,441	2,396	3,536	5,667	5,942	5,683	8,651	10,841
Thailand	1,503	1,037	1,415	1,123	1,625	2,298	2,739	4,325	5,945	7,098
Viet Nam (E: 1982/90)	100	100	100	100	100	100	100	100	100	266
Other	800	950	980	1,000	1,250	1,300	1,300	1,300	1,300	1,300 E
<b>Asia</b>	<b>30,827</b>	<b>34,648</b>	<b>39,643</b>	<b>39,077</b>	<b>37,063</b>	<b>39,658</b>	<b>40,280</b>	<b>39,591</b>	<b>49,986</b>	<b>54,271</b>
Australia	600	700	700	600	910	842	766	639	853	589
New Zealand	559	600	550	460	530	486	301	312	229	245
<b>Oceania</b>	<b>1,159</b>	<b>1,300</b>	<b>1,250</b>	<b>1,060</b>	<b>1,440</b>	<b>1,328</b>	<b>1,067</b>	<b>951</b>	<b>1,082</b>	<b>834</b>
<b>World</b>	<b>142,342</b>	<b>157,217</b>	<b>166,140</b>	<b>161,655</b>	<b>159,987</b>	<b>171,369</b>	<b>170,293</b>	<b>164,640</b>	<b>170,013</b>	<b>176,607</b>
of which:										
Total Industrial Cts.	69,412	83,329	83,656	83,362	87,949	98,006	99,044	99,125	100,776	99,766
Total Developing Cts.	41,903	39,881	40,649	38,687	38,514	42,858	43,047	48,600	59,339	64,134
Total Western World	111,316	123,210	124,305	122,049	126,463	140,864	142,091	147,725	160,115	163,900
Total C.P.E.s/E.i.T.s	31,027	34,007	41,835	39,606	33,524	30,505	28,202	16,915	9,898	12,707

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Shaded figures are not included in totals.

Table 9

**WORLD STEEL TRADE AS A PERCENTAGE OF WORLD STEEL PRODUCTION**

million metric tons

**Crude Steel Equivalent**

Year	Exports	Production	Exports Percent
1970	117.5	595.3	19.7
1971	125.5	582.3	21.6
1972	133.0	630.2	21.1
1973	147.5	696.4	21.2
1974	171.2	703.5	24.3
1975	149.3	643.5	23.2
1976	164.9	675.1	24.4
1977	166.2	675.3	24.6
1978	180.6	716.5	25.2
1979	186.3	746.7	24.9
1980	183.0	716.3	25.5
1981	185.2	707.1	26.2
1982	176.1	644.9	27.3
1983	188.6	663.4	28.4
1984	205.5	710.1	28.9
1985	221.5	718.9	30.8
1986	209.3	713.6	29.3
1987	209.5	736.5	28.4
1988	217.5	780.4	27.9
1989	219.5	786.0	27.9
1990	218.8	770.4	28.4
1991	227.1	737.2	30.8
1992	230.9	723.2	31.9

**Finished Steel**

Year	Exports	Production	Exports Percent
1975	114.8	506.8	22.7
1976	126.8	533.8	23.8
1977	127.8	536.4	23.8
1978	139.0	571.7	24.3
1979	143.3	598.7	23.9
1980	140.7	578.7	24.3
1981	142.4	574.5	24.8
1982	135.5	528.4	25.6
1983	145.1	546.5	26.5
1984	158.1	588.5	26.9
1985	170.4	598.2	28.5
1986	161.0	595.9	27.0
1987	161.1	617.6	26.1
1988	167.3	657.6	25.4
1989	168.8	665.0	25.4
1990	168.3	654.4	25.7
1991	174.7	630.0	27.7
1992	177.6	620.8	28.6

In the upper table, total exports of semi-finished and finished steel products were multiplied by 1.3 to obtain the crude steel figures shown in the left-hand column. However, using a constant 1.3 makes no allowance for yield improvement, thus leading to increasing overstatement of the export share. In the lower table, both exports and production are shown in finished weight product, giving a more realistic export share.

Table 10

## APPARENT CONSUMPTION OF CRUDE STEEL

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium-Luxembourg	3,646	4,353	3,756	3,741	3,171	4,448	3,998	3,662	4,000	3,960
Denmark	1,258	1,614	1,867	1,851	1,626	1,741	1,834	1,841	1,837	2,067
France	15,298	15,492	14,812	14,522	14,820	16,983	17,563	18,076	16,588	16,075
F.R. Germany (1)	30,242	31,053	30,824	30,626	29,103	35,482	35,712	34,166	39,021	38,452
Greece	2,108	1,590	1,797	1,855	1,904	1,945	1,966	1,949	2,394	1,832
Ireland	402	431	406	367	387	490	523	496	458	444
Italy	18,815	21,735	21,880	22,553	23,468	26,333	27,814	28,489	26,592	25,770
Netherlands (D)	3,217	3,840	4,205	4,106	3,527	4,399	4,562	4,954	4,777	4,500
Portugal (D: 1985/92)	1,248	1,175	1,540	1,250	1,600	1,840	2,008	1,956	2,174	2,307
Spain (D)	8,118	7,400	6,993	8,272	8,935	10,580	11,465	11,630	11,170	10,700
United Kingdom (D)	14,710	14,330	14,350	14,820	14,980	17,490	17,400	16,690	14,600	13,420
<b>European Union</b>	<b>99,062</b>	<b>103,013</b>	<b>102,431</b>	<b>103,964</b>	<b>103,522</b>	<b>121,730</b>	<b>124,844</b>	<b>123,907</b>	<b>123,611</b>	<b>119,528</b>
Austria (D)	2,580	2,640	2,770	2,740	2,740	2,990	3,050	3,210	3,260	3,440
Bosnia-Herzegovina										261
Croatia										300
Cyprus									219	247
Finland	1,918	2,051	1,815	1,931	1,853	1,976	2,274	2,001	1,470	1,396
Iceland									44	38
Macedonia										202
Norway (D)	1,360	1,520	1,560	1,730	1,360	1,430	1,240	1,350	1,250	1,430
Slovenia										529
Sweden (D)	3,610	3,770	3,540	3,690	3,810	4,040	4,030	3,840	3,030	3,050
Switzerland	1,862	2,197	2,225	2,379	2,307	2,728	2,717	2,629	2,162	2,029
Turkey (D)	3,900	5,300	5,000	5,400	5,922	5,517	7,171	6,593	7,492	7,601
Yugoslavia	5,298	5,014	5,108	5,978	6,421	5,181	4,884	2,792	1,627	
F.R. Yugoslavia										667
Others	176	194	195	261	227	310	274	285		
<b>Other Western Europe</b>	<b>20,703</b>	<b>22,686</b>	<b>22,213</b>	<b>24,109</b>	<b>24,640</b>	<b>24,171</b>	<b>25,639</b>	<b>22,700</b>	<b>20,554</b>	<b>21,190</b>
<b>Western Europe</b>	<b>119,765</b>	<b>125,699</b>	<b>124,644</b>	<b>128,072</b>	<b>128,162</b>	<b>145,901</b>	<b>150,483</b>	<b>146,607</b>	<b>144,165</b>	<b>140,717</b>
Albania	228	238	248	257	257	257	269	236	146	107
Bulgaria	3,312	2,990	3,090	2,956	3,164	3,238	2,897	1,764	905	855
Czechoslovakia	11,034	10,805	10,970	11,043	10,852	10,711	10,829	10,303	6,253	4,693
Czech Republic										
German Dem. Rep. (1)	9,180	8,723	9,223	9,117	9,010	8,891	10,348	5,384		
Hungary (D)	3,566	3,304	3,858	3,651	3,562	3,546	3,303	2,823	1,855	1,530
Poland	14,770	15,206	15,035	15,939	15,772	15,448	13,330	9,461	5,768	5,743
Romania (D)	10,747	11,975	11,450	11,579	11,569	10,477	11,245	8,170	5,930	3,446
Slovak Republic										
<b>Eastern Europe</b>	<b>52,837</b>	<b>53,241</b>	<b>53,873</b>	<b>54,543</b>	<b>54,186</b>	<b>52,569</b>	<b>52,221</b>	<b>38,140</b>	<b>20,858</b>	<b>16,373</b>
<b>Europe</b>	<b>172,603</b>	<b>178,940</b>	<b>178,517</b>	<b>182,615</b>	<b>182,348</b>	<b>198,470</b>	<b>202,704</b>	<b>184,746</b>	<b>165,023</b>	<b>157,090</b>
Belarus										
Kazakhstan										
Russia										
Ukraine										
Uzbekistan										
<b>C.I.S.</b>										
Azerbaijan										
Estonia										
Georgia										
Latvia										
Lithuania										
Moldova										
<b>former U.S.S.R.</b>	<b>157,768</b>	<b>159,562</b>	<b>157,255</b>	<b>161,582</b>	<b>163,032</b>	<b>164,679</b>	<b>161,511</b>	<b>152,556</b>	<b>131,865</b>	<b>114,861</b>

**Table 10**  
(continued)

**APPARENT CONSUMPTION OF CRUDE STEEL**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Canada	11,132	13,282	13,641	12,512	13,472	15,022	14,214	11,143	10,620	10,299
United States (D)	96,469	113,177	109,069	97,823	105,890	112,891	105,342	105,335	93,325	99,867
<b>North America</b>	<b>107,601</b>	<b>126,459</b>	<b>122,710</b>	<b>110,335</b>	<b>119,362</b>	<b>127,913</b>	<b>119,556</b>	<b>116,478</b>	<b>103,945</b>	<b>110,166</b>
Argentina (D)	2,821	2,802	1,949	2,561	3,153	2,777	2,034	1,540	2,272	2,580
Bolivia	34	60	37	40	83	84	86	52	55	57
Brazil	8,637	10,673	11,995	14,529	14,973	11,721	12,623	10,189	9,900	10,232
Chile	462	656	658	758	830	1,041	1,036	952	1,079	1,482
Colombia	948	1,129	1,236	1,188	1,169	1,277	1,289	1,218	973	927
Costa Rica	117	147	151	112	44	128	202	117	65	133
Cuba	979	1,036	1,177	1,185	1,187	1,105	1,099	908	310	201
Dominican Republic	93	186	121	172	178	135	231	144	136	91
Ecuador	165	300	419	292	193	244	334	283	229	245
El Salvador	66	75	75	84	64	66	70	76	81	66
Guatemala	123	125	118	131	105	120	125	146	82	136
Honduras	59	58	87	59	49	51	78	71	64	76
Mexico	6,296	7,331	7,693	6,393	6,429	6,871	7,285	8,131	9,082	9,937
Nicaragua	71	40	100	97	107	112	115	118	124	130
Panama	79	85	94	96	94	37	33	50	67	89
Paraguay	43	31	36	40	57	109	104	99	94	120
Peru	340	473	533	555	581	568	452	373	555	518
Trinidad & Tobago	159	164	186	253	306	283	249	258	317	403
Uruguay	78	85	67	88	136	99	114	109	123	132
Venezuela	1,687	2,098	1,768	2,627	2,971	3,149	2,227	1,628	2,732	2,127
Others	218	344	214	169	145	221	192	211	147	91
<b>Latin America</b>	<b>23,476</b>	<b>27,896</b>	<b>28,716</b>	<b>31,429</b>	<b>32,855</b>	<b>30,198</b>	<b>29,979</b>	<b>26,674</b>	<b>28,487</b>	<b>29,773</b>
Algeria	2,535	2,587	3,144	3,188	2,974	2,847	2,527	2,377	2,528	2,644
Egypt	2,538	2,353	3,319	5,623	3,834	4,475	4,662	4,666	4,949	5,013
Kenya	201	212	268	190	287	233	223	215	224	194
Libyan Arab Republic	651	363	572	327	416	459	555	1,114	1,361	1,022
Morocco	638	802	758	519	570	593	689	590	567	679
Nigeria	897	627	1,014	499	654	618	439	452	466	992
South Africa (D)	5,322	5,700	5,019	5,077	5,233	5,748	6,029	5,525	5,013	4,375
Tanzania	83	68	65	49	59	57	63	57	57	68
Tunisia (D)	709	568	535	497	480	592	576	692	627	915
Zaire	59	86	28	22	32	68	53	31	34	34
Zambia	9	13	27	28	2	6	6	6	6	6
Zimbabwe (D)	112	133	162	164	153	173	211	113	173	170
Other Africa	951	1,239	1,232	992	757	754	751	753	751	749
<b>Africa</b>	<b>14,704</b>	<b>14,750</b>	<b>16,143</b>	<b>17,174</b>	<b>15,450</b>	<b>16,623</b>	<b>16,785</b>	<b>16,591</b>	<b>16,755</b>	<b>16,860</b>
Bahrain	138	123	110	59	29	38	46	31	44	27
Iran	5,920	4,668	6,126	4,356	5,620	4,537	5,195	7,003	8,442	9,725
Iraq	1,181	880	994	457	668	666	894	740		
Israel	489	584	565	678	790	771	826	909	1,031	1,105
Jordan	436	354	285	410	410	436	416	423	194	221
Kuwait	698	1,121	357	397	120	148	51	34	49	221
Lebanon	401	520	374	192	112	115	114	114	170	170
Oman	302	454	528	285	288	287	286	285	284	283
Qatar	96	14	94	64	53	91	129	62	9	36
Saudi Arabia (D)	5,760	4,611	3,768	3,140	2,552	4,060	2,970	2,830	3,500	3,610
Syrian Arab Republic	477	865	1,144	210	147	126	141	216	244	182
Other	2,952	2,934	2,918	1,738	1,153	1,148	1,143	1,139	1,134	1,132
<b>Middle East</b>	<b>18,852</b>	<b>17,129</b>	<b>17,262</b>	<b>11,987</b>	<b>11,942</b>	<b>12,421</b>	<b>12,210</b>	<b>13,785</b>	<b>15,102</b>	<b>16,710</b>

**Table 10**  
(continued)

**APPARENT CONSUMPTION OF CRUDE STEEL**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Bangladesh	226	352	496	438	416	463	426	429	322	289
P.R. China	52,348	60,833	72,540	74,965	71,414	70,416	71,321	68,419	71,042	84,667
Hong Kong	1,889	1,804	1,878	2,231	1,894	2,837	1,729	1,717	1,144	1,849
India (D)	11,600	13,900	14,400	15,290	17,640	19,040	20,036	21,700	20,300	19,090
Indonesia	2,845	2,626	2,367	2,817	2,562	2,673	3,068	4,650	4,432	4,358
Japan (D)	65,614	74,367	73,377	69,941	75,751	86,871	93,278	99,032	99,151	84,040
D.P.R. Korea	6,620	7,020	7,020	7,120	7,250	7,350	7,450	7,520	7,520	7,520
R.o.Korea (D)	8,916	10,669	11,313	12,191	15,048	15,825	18,267	21,478	26,068	23,238
Malaysia	2,648	2,454	2,013	1,598	1,885	2,103	2,477	2,981	4,128	4,487
Pakistan	1,437	1,201	1,655	1,711	1,692	1,889	1,886	1,883	1,881	1,679
Philippines (D)	1,513	808	674	1,020	1,624	2,112	2,435	2,316	2,135	2,713
Singapore (D)	2,630	2,174	2,042	2,079	2,216	2,545	3,021	3,453	3,631	3,541
Taiwan (R.o.C.) (D)	5,770	6,086	6,316	7,835	9,401	11,630	14,100	15,350	18,930	21,300
Thailand	1,974	1,517	1,926	1,591	2,097	2,902	3,502	5,346	7,244	8,755
Viet Nam	192	192	192	196	200	205	215	232	275	532
Other	995	1,165	1,204	1,219	1,501	1,562	1,555	1,550	1,545	1,541
<b>Asia</b>	<b>167,218</b>	<b>187,170</b>	<b>199,412</b>	<b>202,242</b>	<b>212,591</b>	<b>230,425</b>	<b>244,766</b>	<b>258,056</b>	<b>269,746</b>	<b>269,599</b>
Australia	4,811	6,054	5,740	5,925	5,853	6,447	6,393	5,357	4,901	5,306
New Zealand (D)	816	962	910	779	864	671	686	739	679	570
<b>Oceania</b>	<b>5,627</b>	<b>7,016</b>	<b>6,650</b>	<b>6,704</b>	<b>6,717</b>	<b>7,118</b>	<b>7,079</b>	<b>6,096</b>	<b>5,580</b>	<b>5,876</b>
<b>World</b>	<b>667,847</b>	<b>718,923</b>	<b>726,666</b>	<b>724,069</b>	<b>744,296</b>	<b>787,847</b>	<b>794,591</b>	<b>774,982</b>	<b>736,503</b>	<b>720,934</b>

of which:

Total Industrial Cts.	303,929	339,241	332,400	320,129	335,224	373,551	376,425	373,737	357,854	345,174
Total Developing Cts.	93,173	97,797	102,209	104,349	111,803	117,972	124,349	133,470	146,779	151,607
Total Western World	397,102	437,038	434,609	424,478	447,027	491,523	500,774	507,207	504,633	496,781
Total C.P.E.s/E.i.T.s	270,745	281,885	292,057	299,590	297,269	296,324	293,817	267,774	231,870	224,153

(1) - former German Democratic Republic included with F.R. Germany from 1991.

**Apparent Consumption of Crude Steel**  
million metric tons

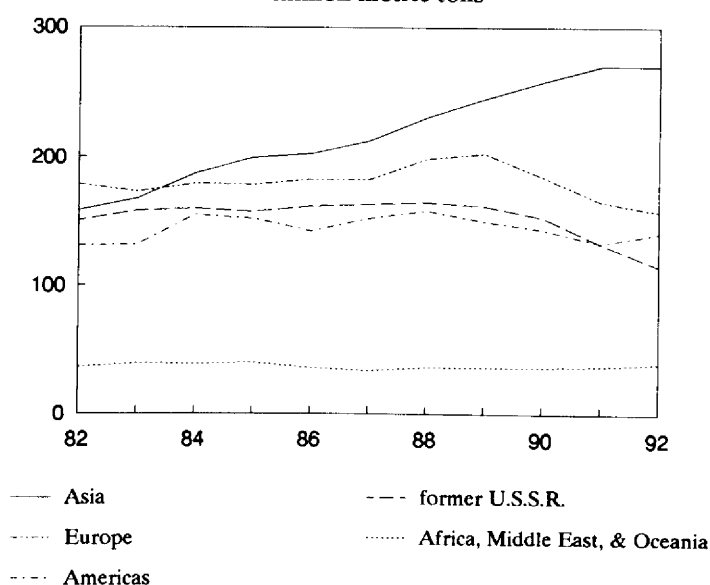


Table 11A

**APPARENT CONSUMPTION PER CAPITA**  
kilograms crude steel

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium-Luxembourg	356.4	425.5	367.2	365.7	309.7	433.6	387.4	353.8	391.1	381.1
Denmark	246.2	315.8	365.3	361.5	317.0	339.3	357.5	358.1	356.6	399.9
France	279.5	281.9	268.5	262.2	266.4	303.9	312.7	318.6	290.8	280.2
F.R. Germany (1)	492.7	508.0	505.6	502.0	476.4	577.7	576.1	540.3	487.9	477.3
Greece	214.0	160.6	181.0	186.1	190.7	194.5	195.8	192.5	235.9	177.9
Ireland	114.8	122.2	114.7	103.6	109.4	138.3	149.0	141.6	130.1	125.0
Italy	331.0	381.3	382.9	393.9	409.3	458.4	483.4	494.1	460.6	446.0
Netherlands	224.0	266.3	290.4	282.0	240.6	298.0	307.2	331.4	317.0	296.4
Portugal	126.3	118.7	155.6	126.3	161.6	186.0	203.0	198.2	220.7	234.2
Spain	212.7	193.1	181.8	214.3	230.8	272.6	294.8	298.5	286.3	273.8
United Kingdom	261.0	253.8	253.4	261.1	263.1	306.5	304.0	290.7	253.3	232.0
<b>European Union</b>	<b>309.2</b>	<b>321.0</b>	<b>318.5</b>	<b>322.5</b>	<b>320.3</b>	<b>375.5</b>	<b>383.5</b>	<b>377.9</b>	<b>357.9</b>	<b>344.4</b>
Austria	341.7	349.7	366.4	362.4	362.0	393.4	400.3	412.1	415.8	436.5
Bosnia-Herzegovina										
Croatia										
Cyprus									308.3	342.5
Finland	394.6	420.3	370.5	392.5	375.8	399.2	458.4	401.0	292.2	277.0
Iceland									170.1	147.9
Macedonia										
Norway	329.3	367.1	375.9	414.9	324.6	339.7	293.1	318.4	294.8	333.3
Slovenia										
Sweden	433.4	452.0	424.0	441.4	453.6	478.7	474.7	448.6	351.5	351.4
Switzerland	290.0	341.2	343.9	366.0	352.2	413.9	408.5	391.8	318.4	294.1
Turkey	81.5	108.0	99.5	105.3	113.1	103.2	131.2	117.6	130.5	129.3
Yugoslavia	232.4	218.3	220.9	256.9	274.2	219.8	206.1	117.2	68.0	
F.R. Yugoslavia										62.7
Others										
<b>Other Western Europe</b>	<b>201.3</b>	<b>217.5</b>	<b>210.2</b>	<b>225.4</b>	<b>227.5</b>	<b>220.2</b>	<b>230.5</b>	<b>200.7</b>	<b>179.0</b>	<b>205.4</b>
<b>Western Europe</b>	<b>283.0</b>	<b>295.6</b>	<b>291.7</b>	<b>298.3</b>	<b>297.0</b>	<b>336.2</b>	<b>344.5</b>	<b>332.4</b>	<b>313.3</b>	<b>312.5</b>
Albania	80.4	82.0	83.7	85.2	83.5	81.8	84.0	72.3	44.4	31.7
Bulgaria	370.5	333.7	344.9	329.9	352.7	360.6	322.3	196.2	100.8	95.5
Czechoslovakia	716.0	698.9	707.7	711.1	697.0	686.2	692.4	657.9	401.4	298.3
Czech Republic										
German Dem. Rep. (1)	549.7	523.3	554.3	548.5	541.5	533.4	622.3	323.3		
Hungary	334.5	311.1	364.7	346.7	339.6	339.7	317.6	272.5	179.2	148.3
Poland	403.9	412.0	404.2	425.5	418.8	408.0	351.2	248.2	150.8	149.7
Romania	476.6	529.4	504.0	507.2	504.3	454.5	485.7	352.0	255.7	151.5
Slovak Republic										
<b>Eastern Europe</b>	<b>464.8</b>	<b>466.5</b>	<b>470.3</b>	<b>474.5</b>	<b>469.8</b>	<b>454.2</b>	<b>450.3</b>	<b>328.1</b>	<b>209.3</b>	<b>164.6</b>
<b>Europe</b>	<b>321.5</b>	<b>331.7</b>	<b>329.5</b>	<b>335.5</b>	<b>333.5</b>	<b>361.0</b>	<b>366.7</b>	<b>331.5</b>	<b>294.8</b>	<b>285.8</b>
Belarus										
Kazakhstan										
Russia										
Ukraine										
Uzbekistan										
<b>C.I.S.</b>										
Azerbaijan										
Estonia										
Georgia										
Latvia										
Lithuania										
Moldova										
<b>former U.S.S.R.</b>	<b>578.9</b>	<b>580.1</b>	<b>566.6</b>	<b>576.6</b>	<b>576.4</b>	<b>577.0</b>	<b>561.5</b>	<b>528.6</b>	<b>455.3</b>	<b>395.3</b>



**Table 11A**  
(continued)

**APPARENT CONSUMPTION PER CAPITA**  
kilograms crude steel

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Canada	449.0	531.7	542.2	493.6	525.8	579.8	541.7	419.2	392.9	375.3
United States	411.7	478.8	457.3	406.4	436.0	460.7	425.9	421.5	366.0	383.8
<b>North America</b>	<b>415.3</b>	<b>483.9</b>	<b>465.4</b>	<b>414.7</b>	<b>444.6</b>	<b>472.1</b>	<b>437.0</b>	<b>421.3</b>	<b>368.5</b>	<b>383.0</b>
Argentina	95.6	93.6	64.3	83.3	101.3	88.1	63.7	47.6	69.5	77.9
Bolivia	5.7	9.6	5.8	6.1	12.2	12.0	11.9	7.1	7.2	7.2
Brazil	66.6	80.5	88.5	104.9	105.9	81.2	85.6	67.8	64.6	65.5
Chile	39.4	55.0	54.3	61.5	66.2	81.6	80.0	72.3	80.6	109.0
Colombia	34.5	40.2	43.2	40.7	39.3	42.2	40.6	36.9	29.6	27.7
Costa Rica	46.9	57.0	57.2	41.2	15.9	45.0	69.1	39.1	21.3	43.1
Cuba	98.9	103.7	116.5	116.2	115.2	106.2	104.4	8.6	28.9	18.6
Dominican Republic	15.3	29.7	18.8	26.2	26.5	19.7	33.0	20.1	18.5	12.1
Ecuador	19.1	33.9	46.1	31.3	20.2	24.9	33.3	27.6	21.8	22.8
El Salvador	14.0	15.8	15.4	17.0	12.7	12.9	13.4	14.8	15.4	12.2
Guatemala	16.3	16.2	14.9	15.9	12.4	13.8	14.0	15.9	8.6	13.9
Honduras	14.4	13.7	20.0	13.0	10.6	10.6	15.8	13.8	12.1	13.9
Mexico	84.3	96.1	98.7	80.3	79.2	82.9	86.2	94.4	103.4	111.0
Nicaragua	23.0	12.6	30.7	28.8	30.6	31.0	30.8	30.5	31.0	31.5
Panama	37.7	39.8	43.2	43.0	41.6	15.9	13.9	20.5	27.2	35.6
Paraguay	12.4	8.7	9.9	10.6	14.7	26.9	25.0	23.2	21.5	26.5
Peru	18.3	24.9	27.5	28.0	28.7	27.4	21.4	17.3	25.2	23.1
Trinidad & Tobago	139.8	140.0	158.0	210.5	252.9	233.8	205.9	209.7	253.3	319.7
Uruguay	26.1	28.4	22.4	29.0	44.6	32.4	37.0	35.2	39.6	42.2
Venezuela	103.0	124.5	102.1	149.9	165.3	171.0	118.0	84.2	138.1	105.0
<b>Latin America</b>	<b>63.4</b>	<b>73.7</b>	<b>74.3</b>	<b>79.7</b>	<b>81.6</b>	<b>73.5</b>	<b>71.4</b>	<b>50.9</b>	<b>65.3</b>	<b>66.9</b>
Algeria	123.5	122.2	143.9	141.6	129.2	120.4	104.1	95.0	98.6	100.4
Egypt	57.6	52.0	71.4	117.6	78.2	89.0	90.6	88.6	91.8	90.9
Kenya	10.7	10.9	13.2	9.0	12.5	9.8	9.0	9.0	8.7	7.2
Libyan Arab Republic	209.2	111.9	170.2	93.6	114.7	121.8	126.5	245.4	289.0	209.8
Morocco	30.5	37.4	34.4	23.0	24.5	24.9	28.2	23.5	22.1	25.8
Nigeria	10.4	6.7	10.6	5.1	6.4	5.9	4.2	4.2	4.2	8.6
South Africa	166.7	174.0	149.4	147.4	148.2	158.9	162.7	145.5	128.9	109.9
Tanzania	4.1	3.2	3.0	2.2	2.5	2.4	2.6	2.2	2.1	2.4
Tunisia	103.7	80.8	73.7	66.6	62.8	76.2	72.8	85.7	76.2	108.9
Zaire	2.0	2.9	0.9	0.7	1.0	2.0	1.5	0.9	0.9	0.9
Zambia	1.5	2.0	4.0	3.8	0.3	0.8	0.7	0.7	0.7	0.7
Zimbabwe	14.5	16.7	19.3	19.5	17.7	19.5	23.1	12.1	16.8	16.1
<b>Africa</b>	<b>49.7</b>	<b>47.7</b>	<b>50.7</b>	<b>52.5</b>	<b>45.7</b>	<b>47.7</b>	<b>47.2</b>	<b>45.5</b>	<b>44.4</b>	<b>43.2</b>
Bahrain	354.3	300.6	261.2	134.3	62.7	80.6	93.3	61.5	85.1	50.2
Iran	134.0	101.6	128.1	88.1	110.0	86.4	95.9	120.2	140.8	158.0
Iraq	80.9	58.4	63.8	28.3	40.9	38.6	51.1	40.9	0.0	0.0
Israel	119.0	140.3	133.5	157.6	180.9	173.5	182.7	195.1	208.4	212.8
Jordan	136.2	107.4	83.5	116.5	113.0	116.2	107.3	105.4	46.9	51.4
Kuwait	444.5	683.4	208.9	222.1	64.1	75.6	25.1	16.0	23.3	112.0
Lebanon	150.9	194.7	139.9	72.0	41.7	42.7	42.2	41.6	95.6	59.8
Oman	262.9	375.4	425.5	216.0	210.4	202.1	194.3	187.3	179.5	172.5
Qatar	310.4	41.9	261.5	169.3	135.7	211.1	280.0	127.0	21.4	79.6
Saudi Arabia	538.8	414.3	324.9	260.1	187.5	289.6	205.8	190.3	227.4	226.8
Syrian Arab Republic	49.6	87.1	111.4	19.8	13.4	11.1	12.0	17.8	19.4	14.1
<b>Middle East</b>	<b>203.9</b>	<b>178.8</b>	<b>173.8</b>	<b>116.8</b>	<b>111.9</b>	<b>112.6</b>	<b>107.6</b>	<b>115.5</b>	<b>123.7</b>	<b>131.9</b>

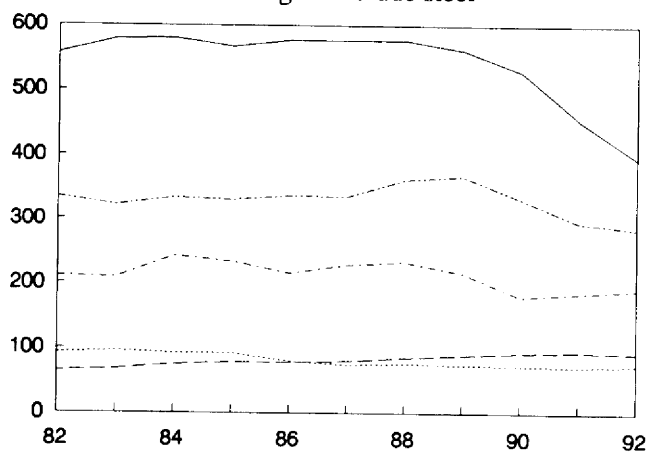
Table 11A  
(continued)

**APPARENT CONSUMPTION PER CAPITA**  
kilograms crude steel

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Bangladesh	2.4	3.6	5.0	4.3	4.1	4.4	4.0	3.8	2.8	2.4
P.R. China	50.4	57.7	67.8	69.0	64.8	62.9	62.8	59.3	60.7	71.3
Hong Kong	353.1	334.1	343.9	404.2	339.4	503.9	303.8	301.2	198.9	318.8
India	16.1	18.9	19.2	20.0	22.6	23.9	24.7	26.2	23.9	21.7
Indonesia	18.0	16.3	14.4	16.7	14.9	15.2	17.1	25.9	23.6	22.8
Japan	549.9	619.3	607.2	575.7	620.5	708.5	757.6	801.6	800.1	675.9
D.P.R. Korea (E)	344.4	359.1	352.9	351.8	351.9	350.3	348.6	345.4	338.9	328.1
R.o.Korea (D)	223.4	264.0	277.2	296.0	362.0	377.1	431.0	501.0	602.4	532.3
Malaysia	178.2	160.8	128.4	99.2	114.0	124.1	142.8	167.8	225.1	238.8
Pakistan	15.9	12.9	17.2	17.3	16.5	17.9	17.4	16.8	16.3	14.5
Philippines	29.1	15.1	12.3	18.2	28.3	36.0	40.5	37.7	34.0	42.2
Singapore	1,052.0	859.3	797.7	802.7	849.0	960.4	1,127.2	1,274.2	1,315.6	1,260.1
Taiwan (R.o.C.)	308.0	320.1	328.0	402.7	477.9	584.6	701.0	754.7	920.4	1,024.0
Thailand	39.7	30.0	37.3	30.3	39.2	53.4	63.4	95.3	127.3	151.6
Viet Nam (E: 1983/90)	3.4	3.3	3.2	3.2	3.2	3.2	3.3	3.5	4.0	7.7
<b>Asia</b>	<b>67.4</b>	<b>74.0</b>	<b>77.5</b>	<b>77.2</b>	<b>79.8</b>	<b>85.1</b>	<b>88.8</b>	<b>92.0</b>	<b>94.2</b>	<b>92.2</b>
Australia	312.6	389.1	363.5	369.9	359.9	390.3	380.5	314.4	283.5	302.7
New Zealand	255.0	297.8	280.0	239.7	263.4	204.0	207.3	220.6	200.9	167.2
<b>Oceania</b>	<b>302.7</b>	<b>373.4</b>	<b>349.3</b>	<b>347.9</b>	<b>343.7</b>	<b>359.3</b>	<b>352.0</b>	<b>299.0</b>	<b>270.0</b>	<b>280.6</b>
<b>World</b>	<b>154.3</b>	<b>163.2</b>	<b>162.3</b>	<b>159.1</b>	<b>160.8</b>	<b>167.5</b>	<b>166.3</b>	<b>156.4</b>	<b>148.7</b>	<b>143.2</b>
of which:										
Total Industrial Cts.	356.7	395.3	384.6	367.7	382.3	422.8	422.6	415.5	386.6	374.0
Total Developing Cts.	47.5	48.5	49.6	49.5	51.8	53.5	55.2	58.0	62.0	62.4
Total Western World	141.0	152.1	148.5	142.5	147.4	159.2	159.4	158.4	153.3	148.1
Total C.P.E.s/E.i.T.s	179.0	184.0	188.1	190.4	186.4	183.4	179.5	152.8	139.6	133.3

(1) - former German Democratic Republic included with F.R. Germany from 1991.

Apparent Consumption of Crude Steel per Capita  
kilograms crude steel



— former U.S.S.R.      - - - Asia  
 - - - Europe              ····· Africa, Middle East, & Oceania  
 - · - · Americas

Table 11B

**APPARENT CONSUMPTION PER CAPITA**  
kilograms finished steel

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium-Luxembourg	290.9	352.2	307.9	311.9	268.9	377.2	337.8	309.3	342.4	335.2
Denmark	208.6	269.1	313.1	312.1	275.1	295.7	313.0	314.6	314.5	353.5
France	239.0	242.3	235.7	233.5	238.3	272.2	280.1	285.6	260.9	251.5
F.R. Germany (1)	426.6	443.4	443.0	443.3	422.9	513.2	512.8	482.1	434.1	426.2
Greece	181.3	136.9	155.1	160.6	165.5	169.5	171.5	169.2	208.0	157.3
Ireland	97.3	104.1	98.3	89.4	94.9	120.6	130.4	124.4	114.8	110.5
Italy	285.0	330.9	335.1	347.6	364.3	410.0	433.1	443.1	413.4	400.8
Netherlands	141.7	232.7	253.2	248.2	223.7	275.4	286.5	297.4	279.2	264.2
Portugal	107.0	101.1	94.8	105.3	132.9	184.7	291.0	246.3	235.5	268.8
Spain	176.4	171.9	159.8	202.7	218.4	258.0	279.3	282.6	270.7	258.4
United Kingdom	198.9	202.1	202.0	204.9	220.4	258.3	264.2	243.5	209.9	200.6
<b>European Union</b>	<b>258.0</b>	<b>275.2</b>	<b>273.6</b>	<b>281.4</b>	<b>283.9</b>	<b>334.5</b>	<b>346.6</b>	<b>338.7</b>	<b>319.3</b>	<b>310.0</b>
Austria	268.9	276.8	291.0	285.7	285.3	321.1	322.8	336.3	336.7	351.5
Bosnia-Herzegovina										
Croatia										
Cyprus									271.8	302.8
Finland	483.5	346.3	351.0	337.4	334.7	353.5	397.2	348.7	238.6	257.9
Iceland									150.0	130.8
Macedonia										
Norway	258.8	289.9	296.4	326.1	293.6	299.3	288.4	318.4	301.9	326.3
Slovenia										
Sweden	322.7	338.1	317.1	330.4	339.5	357.8	354.9	335.5	262.5	263.1
Switzerland	262.1	308.4	310.9	330.8	318.4	374.1	369.2	354.2	287.8	265.8
Turkey	71.8	86.0	95.5	120.2	111.8	105.6	116.4	121.0	125.2	122.9
Yugoslavia	194.9	183.1	185.8	216.1	231.1	187.4	176.3	100.9	61.2	
F.R. Yugoslavia										55.5
Others										
<b>Other Western Europe</b>	<b>173.6</b>	<b>176.2</b>	<b>180.5</b>	<b>201.1</b>	<b>197.9</b>	<b>193.8</b>	<b>196.9</b>	<b>180.3</b>	<b>158.7</b>	<b>182.2</b>
<b>Western Europe</b>	<b>237.5</b>	<b>251.0</b>	<b>250.6</b>	<b>261.4</b>	<b>262.3</b>	<b>298.9</b>	<b>308.4</b>	<b>298.1</b>	<b>279.3</b>	<b>280.7</b>
Albania	60.9	62.3	63.7	65.0	63.8	62.6	64.3	55.4	34.0	23.8
Bulgaria	278.3	251.8	260.0	250.5	267.2	274.4	245.3	150.3	77.1	73.6
Czechoslovakia	536.2	525.2	532.1	535.1	524.7	516.7	521.8	497.6	348.5	254.3
Czech Republic										
German Dem. Rep. (1)	420.2	404.7	434.4	431.9	427.1	422.0	493.5	256.5		
Hungary	253.4	236.4	276.1	281.8	274.5	260.2	235.3	163.4	103.5	107.6
Poland	302.0	310.9	305.1	321.4	316.5	308.4	264.1	186.6	113.6	112.6
Romania	383.1	428.8	409.5	411.7	410.0	368.6	395.9	287.9	208.6	125.1
Slovak Republic										
<b>Eastern Europe</b>	<b>354.8</b>	<b>359.1</b>	<b>362.9</b>	<b>368.3</b>	<b>364.8</b>	<b>351.2</b>	<b>348.5</b>	<b>250.2</b>	<b>165.5</b>	<b>130.8</b>
<b>Europe</b>	<b>262.3</b>	<b>273.8</b>	<b>274.3</b>	<b>284.0</b>	<b>283.9</b>	<b>309.9</b>	<b>316.8</b>	<b>288.1</b>	<b>259.0</b>	<b>253.6</b>
Belarus										
Kazakhstan										
Russia										
Ukraine										
Uzbekistan										
<b>C.I.S.</b>										
Azerbaijan										
Estonia										
Georgia										
Latvia										
Lithuania										
Moldova										
<b>former U.S.S.R.</b>	<b>438.5</b>	<b>439.6</b>	<b>430.0</b>	<b>438.5</b>	<b>439.2</b>	<b>440.0</b>	<b>428.6</b>	<b>403.9</b>	<b>347.8</b>	<b>293.7</b>

**Table 11B**  
(continued)

**APPARENT CONSUMPTION PER CAPITA**  
kilograms finished steel

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Canada	349.7	418.3	434.1	413.5	445.0	490.2	445.9	387.5	344.1	353.5
United States	321.5	377.8	365.0	337.8	356.7	379.7	354.7	354.8	313.9	330.9
<b>North America</b>	<b>324.2</b>	<b>381.7</b>	<b>371.6</b>	<b>345.0</b>	<b>365.1</b>	<b>390.2</b>	<b>363.4</b>	<b>357.9</b>	<b>316.8</b>	<b>333.0</b>
Argentina	75.2	74.4	51.7	69.2	83.9	54.2	40.2	59.3	65.9	71.1
Bolivia	4.6	8.3	5.1	5.3	10.5	10.5	10.4	6.3	6.4	6.4
Brazil	56.8	70.0	76.1	91.4	89.6	73.8	79.7	59.8	59.5	53.9
Chile	30.9	41.2	39.6	47.6	49.1	61.4	63.2	55.0	62.0	85.1
Colombia	27.1	31.7	36.0	31.4	31.4	34.3	35.7	32.9	27.8	29.6
Costa Rica	40.1	46.4	46.9	50.1	46.0	63.0	60.8	51.5	40.3	38.1
Cuba	74.9	78.8	88.7	88.6	88.0	81.2	79.9	6.5	22.2	14.0
Dominican Republic	20.2	23.2	18.3	25.2	30.1	23.6	33.9	12.3	17.3	10.7
Ecuador	24.7	30.3	37.2	36.8	30.3	30.3	32.5	30.1	31.5	20.2
El Salvador	12.2	10.7	11.1	14.6	10.2	11.5	11.5	11.9	13.3	10.7
Guatemala	13.8	12.7	13.4	16.2	14.2	16.0	14.3	18.4	13.1	12.3
Honduras	11.7	10.5	12.2	10.5	8.8	8.8	16.0	13.1	12.0	12.3
Mexico	66.6	75.4	78.7	63.1	64.8	68.1	68.6	79.3	86.5	91.0
Nicaragua	11.0	9.4	18.8	14.5	15.6	15.9	15.8	15.8	16.1	27.8
Panama	32.0	33.4	35.3	34.6	35.9	15.5	13.9	19.9	31.0	31.5
Paraguay	10.6	7.5	8.5	9.4	11.3	14.1	14.3	15.9	13.5	23.5
Peru	14.5	20.2	22.1	22.5	26.4	23.8	15.9	16.3	17.6	20.3
Trinidad & Tobago	117.8	107.8	107.3	136.4	195.6	161.3	113.5	191.7	251.2	282.5
Uruguay	20.1	23.1	18.9	23.9	38.2	32.9	31.6	30.4	34.9	37.3
Venezuela	74.8	85.4	65.7	102.4	119.6	124.8	91.7	98.6	118.1	118.9
<b>Latin America</b>	<b>51.6</b>	<b>59.9</b>	<b>60.5</b>	<b>65.8</b>	<b>67.8</b>	<b>61.0</b>	<b>60.4</b>	<b>46.0</b>	<b>57.8</b>	<b>57.7</b>
Algeria	104.6	104.1	123.3	122.2	112.1	104.9	91.1	83.5	86.9	88.7
Egypt	48.8	44.3	61.2	101.5	67.8	77.6	79.3	77.8	81.0	80.3
Kenya	9.1	9.2	11.3	7.7	10.9	8.5	7.9	7.9	7.6	6.4
Libyan Arab Republic	177.2	95.4	145.8	80.8	99.4	106.1	110.7	215.7	254.9	185.5
Morocco	25.8	31.8	29.5	19.8	21.3	21.7	24.7	20.7	19.5	22.8
Nigeria	8.8	5.7	9.1	4.4	5.6	5.1	3.7	3.7	3.7	7.6
South Africa	135.0	140.9	121.0	119.4	120.1	128.8	131.7	118.0	104.4	90.1
Tanzania	3.4	2.8	2.6	1.9	2.2	2.1	2.2	1.9	1.9	2.2
Tunisia	82.5	66.4	57.9	56.3	52.9	60.0	61.1	69.4	61.5	85.1
Zaire	1.7	2.4	0.8	0.6	0.8	1.8	1.3	0.8	0.8	0.8
Zambia	1.3	1.7	3.4	3.3	0.3	0.7	0.6	0.6	0.6	0.6
Zimbabwe	34.5	13.1	45.3	40.0	34.1	34.1	30.0	43.2	42.5	40.5
<b>Africa</b>	<b>41.9</b>	<b>39.8</b>	<b>43.3</b>	<b>45.0</b>	<b>39.2</b>	<b>40.9</b>	<b>40.4</b>	<b>39.7</b>	<b>38.8</b>	<b>37.9</b>
Bahrain	300.0	256.1	223.8	115.9	54.3	70.2	81.6	54.0	75.0	44.3
Iran	113.5	86.6	109.8	76.0	95.4	75.3	83.9	105.6	124.2	139.6
Iraq	68.5	49.7	54.7	24.5	35.5	33.6	44.7	36.0	0.0	0.0
Israel	100.8	119.6	114.4	136.0	156.9	151.2	159.9	171.4	183.7	188.1
Jordan	115.3	91.5	71.6	100.6	98.0	101.3	93.9	92.6	41.3	45.5
Kuwait	376.4	582.3	178.9	191.6	55.6	65.8	22.0	14.0	20.6	99.0
Lebanon	127.8	165.9	119.9	62.2	36.2	37.2	36.9	36.5	84.3	52.8
Oman	222.6	319.8	364.5	186.4	182.5	176.1	170.1	164.5	158.2	152.4
Qatar	263.9	36.7	225.1	147.1	118.6	184.8	246.0	112.3	19.6	70.3
Saudi Arabia	456.3	353.0	278.4	224.5	166.1	261.8	186.4	172.2	205.3	204.8
Syrian Arab Republic	42.0	74.2	95.4	17.1	11.6	9.7	10.5	15.7	17.1	12.4
<b>Middle East</b>	<b>172.7</b>	<b>152.3</b>	<b>148.9</b>	<b>100.8</b>	<b>97.5</b>	<b>99.3</b>	<b>95.0</b>	<b>102.0</b>	<b>109.7</b>	<b>117.2</b>

**Table 11B**  
(continued)

**APPARENT CONSUMPTION PER CAPITA**  
kilograms finished steel

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Bangladesh	2.0	3.1	4.3	3.7	3.5	3.9	3.5	3.3	2.4	2.1
P.R. China	37.9	43.6	51.2	52.2	49.1	47.8	47.8	45.6	47.0	56.7
Hong Kong	299.0	284.7	294.7	348.8	294.4	439.0	265.9	264.6	175.4	281.8
India	13.7	13.0	14.3	15.0	17.7	18.7	19.3	20.4	18.7	17.4
Indonesia	15.6	14.3	12.7	14.9	13.3	13.6	15.4	23.3	21.3	20.6
Japan	512.7	575.4	578.1	557.3	597.0	660.3	717.2	751.2	751.5	635.6
D.P.R. Korea (E)	264.9	276.2	271.5	270.6	270.7	269.5	268.2	265.7	260.7	252.4
R.o.Korea (D)	195.5	232.8	245.5	265.5	328.2	345.9	399.8	467.8	565.1	499.8
Malaysia	150.9	137.1	110.0	85.6	98.9	108.2	125.0	147.5	198.5	211.1
Pakistan	13.4	11.0	14.7	14.9	14.4	15.6	15.2	14.8	14.4	12.8
Philippines	24.2	12.6	10.3	15.2	23.6	27.0	30.4	27.3	25.5	31.7
Singapore	965.2	740.3	607.4	584.2	648.7	729.3	840.9	993.9	1,070.5	1,023.3
Taiwan (R.o.C.)	256.7	266.7	273.3	335.6	398.2	487.1	584.1	628.8	767.2	853.4
Thailand	33.7	25.5	32.0	26.1	34.0	46.5	55.5	83.7	112.2	134.0
Viet Nam (E: 1983/90)	2.5	2.5	2.4	2.4	2.4	2.5	2.5	2.7	3.1	5.7
<b>Asia</b>	<b>57.3</b>	<b>62.0</b>	<b>65.4</b>	<b>65.5</b>	<b>68.2</b>	<b>72.2</b>	<b>76.2</b>	<b>79.1</b>	<b>81.4</b>	<b>79.6</b>
Australia	250.8	313.4	292.9	297.9	298.4	337.8	333.7	277.1	249.2	267.9
New Zealand	196.3	195.0	170.5	212.3	189.3	192.4	148.6	167.8	134.9	127.6
<b>Oceania</b>	<b>241.4</b>	<b>293.1</b>	<b>272.0</b>	<b>283.5</b>	<b>280.1</b>	<b>313.6</b>	<b>303.2</b>	<b>259.1</b>	<b>230.5</b>	<b>245.1</b>
<b>World</b>	<b>124.4</b>	<b>131.7</b>	<b>132.0</b>	<b>131.2</b>	<b>133.0</b>	<b>139.0</b>	<b>139.0</b>	<b>132.0</b>	<b>126.4</b>	<b>121.9</b>
of which:										
Total Industrial Cts.	298.6	332.9	328.7	323.1	335.0	370.4	374.4	370.2	345.5	335.8
Total Developing Cts.	40.1	39.8	41.3	41.5	43.9	45.4	47.1	50.4	54.1	54.2
Total Western World	118.4	127.3	126.2	123.8	128.1	138.4	139.9	140.2	136.0	131.7
Total C.P.E.s/E.i.T.s	135.7	139.8	143.1	145.2	142.4	140.2	137.3	116.9	107.5	102.4

(1) - former German Democratic Republic included with F.R. Germany from 1991.

**Apparent Consumption of Finished Steel per Capita**  
kilograms finished steel

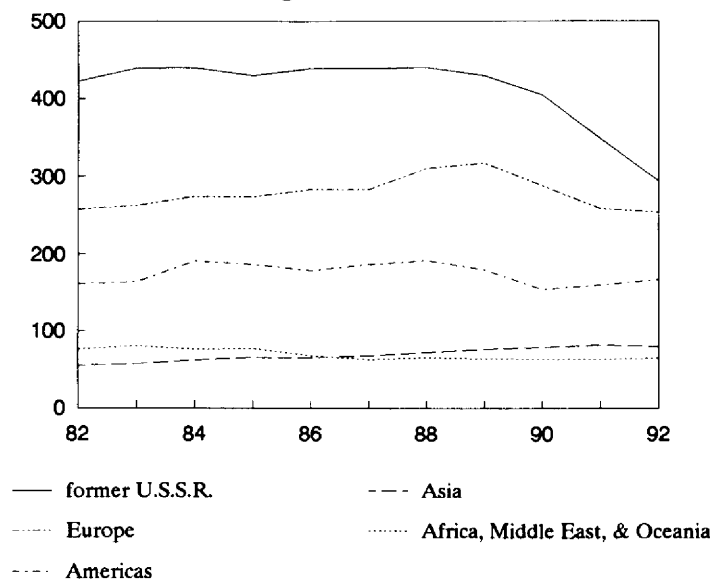


Table 12

## APPARENT CONSUMPTION OF FINISHED STEEL

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium-Luxembourg	2,976	3,603	3,150	3,190	2,754	3,870	3,486	3,201	3,503	3,483
Denmark	1,066	1,375	1,600	1,598	1,411	1,517	1,606	1,617	1,620	1,827
France	13,082	13,312	13,002	12,933	13,258	15,212	15,730	16,200	14,882	14,426
F.R. Germany (1)	26,186	27,102	27,011	27,045	25,835	31,523	31,787	30,480	34,720	34,341
Greece	1,786	1,355	1,541	1,601	1,652	1,695	1,721	1,712	2,112	1,620
Ireland	341	368	348	317	336	427	458	436	404	392
Italy	16,202	18,864	19,147	19,900	20,892	23,549	24,919	25,551	23,865	23,158
Netherlands (D)	2,035	3,356	3,666	3,614	3,279	4,065	4,254	4,446	4,208	4,010
Portugal	1,057	1,001	938	1,042	1,315	1,826	2,877	2,431	2,320	2,648
Spain (D)	6,732	6,590	6,148	7,826	8,455	10,014	10,861	11,012	10,563	10,127
United Kingdom (D)	11,207	11,411	11,435	11,628	12,549	14,742	15,124	13,977	12,098	11,602
<b>European Union</b>	<b>82,669</b>	<b>88,338</b>	<b>87,985</b>	<b>90,694</b>	<b>91,735</b>	<b>108,440</b>	<b>112,823</b>	<b>111,063</b>	<b>110,294</b>	<b>107,634</b>
Austria (D)	2,030	2,090	2,200	2,160	2,160	2,440	2,460	2,620	2,640	2,770
Bosnia-Herzegovina										230
Croatia										265
Cyprus									193	218
Finland (D)	2,350	1,690	1,720	1,660	1,650	1,750	1,970	1,740	1,200	1,300
Iceland									39	34
Macedonia										178
Norway (D)	1,069	1,200	1,230	1,360	1,230	1,260	1,220	1,350	1,280	1,400
Slovenia										467
Sweden (D)	2,688	2,820	2,648	2,762	2,852	3,020	3,013	2,872	2,263	2,284
Switzerland	1,683	1,986	2,011	2,150	2,085	2,465	2,455	2,376	1,954	1,834
Turkey (D)	3,437	4,222	4,799	6,160	5,852	5,648	6,364	6,784	7,188	7,227
Yugoslavia	4,443	4,207	4,297	5,028	5,412	4,417	4,177	2,402	1,465	
F.R. Yugoslavia										590
Others (E)	149	165	167	225	197	270	240	250		
<b>Other Western Europe</b>	<b>17,849</b>	<b>18,380</b>	<b>19,072</b>	<b>21,505</b>	<b>21,438</b>	<b>21,270</b>	<b>21,899</b>	<b>20,395</b>	<b>18,222</b>	<b>18,799</b>
<b>Western Europe</b>	<b>100,518</b>	<b>106,717</b>	<b>107,057</b>	<b>112,199</b>	<b>113,173</b>	<b>129,710</b>	<b>134,723</b>	<b>131,458</b>	<b>128,516</b>	<b>126,433</b>
Albania	173	181	188	196	196	196	206	180	112	80
Bulgaria	2,488	2,256	2,329	2,244	2,397	2,465	2,205	1,351	693	658
Czechoslovakia (D: 1991/2)	8,263	8,119	8,248	8,311	8,170	8,066	8,161	7,792	5,430	4,000
Czech Republic										
German Dem. Rep.	7,017	6,747	7,229	7,178	7,107	7,036	8,208	4,271		
Hungary (D)	2,702	2,510	2,921	2,967	2,880	2,716	2,447	1,693	1,071	1,110
Poland	11,042	11,476	11,351	12,040	11,921	11,678	10,023	7,113	4,343	4,318
Romania (D)	8,640	9,700	9,304	9,400	9,405	8,496	9,165	6,683	4,838	2,846
Slovak Republic										
<b>Eastern Europe</b>	<b>40,325</b>	<b>40,990</b>	<b>41,570</b>	<b>42,336</b>	<b>42,075</b>	<b>40,653</b>	<b>40,415</b>	<b>29,085</b>	<b>16,487</b>	<b>13,013</b>
<b>Europe</b>	<b>140,843</b>	<b>147,707</b>	<b>148,627</b>	<b>154,535</b>	<b>155,249</b>	<b>170,362</b>	<b>175,138</b>	<b>160,543</b>	<b>145,002</b>	<b>139,446</b>
Belarus										
Kazakhstan										
Russia										
Ukraine										
Uzbekistan										
<b>C.I.S.</b>										
Azerbaijan										
Estonia										
Georgia										
Latvia										
Lithuania										
Moldova										
<b>former U.S.S.R.</b>	<b>119,503</b>	<b>120,922</b>	<b>119,340</b>	<b>122,893</b>	<b>124,220</b>	<b>125,571</b>	<b>123,281</b>	<b>116,566</b>	<b>100,716</b>	<b>85,339</b>

**Table 12**  
(continued)

**APPARENT CONSUMPTION OF FINISHED STEEL**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Canada (D)	8,670	10,450	10,923	10,481	11,400	12,700	11,700	10,300	9,300	9,700
United States (D)	75,342	89,297	87,037	81,291	86,618	93,043	87,725	88,670	80,044	86,095
<b>North America</b>	<b>84,012</b>	<b>99,747</b>	<b>97,960</b>	<b>91,772</b>	<b>98,018</b>	<b>105,743</b>	<b>99,425</b>	<b>98,970</b>	<b>89,344</b>	<b>95,795</b>
Argentina (D)	2,218	2,226	1,569	2,126	2,613	1,710	1,284	1,915	2,157	2,352
Bolivia (I)	28	52	33	35	72	73	75	47	49	50
Brazil (D)	7,375	9,280	10,319	12,655	12,678	10,658	11,748	8,990	9,126	8,429
Chile (I)	362	492	480	587	615	783	819	724	830	1,157
Colombia (I)	745	889	1,031	917	934	1,037	1,132	1,087	913	990
Costa Rica (I)	100	119	124	136	128	180	178	154	123	118
Cuba	742	787	895	904	907	845	840	695	238	151
Dominican Republic (I)	124	146	117	165	202	162	238	88	127	80
Ecuador (I)	214	269	338	343	290	296	326	309	331	217
El Salvador (I)	58	51	54	72	52	58	59	62	70	58
Guatemala (I)	104	98	107	133	120	139	127	169	124	120
Honduras (I)	48	45	53	47	41	42	79	67	63	67
Mexico (I)	4,975	5,751	6,135	5,023	5,259	5,640	5,799	6,832	7,596	8,150
Nicaragua (I)	34	30	61	49	54	58	59	61	64	115
Panama (I)	67	71	77	77	81	36	33	48	77	79
Paraguay (I)	37	27	31	36	44	57	60	68	59	106
Peru (I)	270	383	430	447	536	492	337	351	388	458
Trinidad & Tobago (I)	134	126	127	164	237	195	137	236	314	356
Uruguay (I)	60	69	57	73	116	101	97	94	108	117
Venezuela (I)	1,226	1,438	1,137	1,795	2,150	2,298	1,730	1,906	2,337	2,407
Others	195	302	190	162	155	207	183	200	150	100
<b>Latin America</b>	<b>19,113</b>	<b>22,650</b>	<b>23,365</b>	<b>25,948</b>	<b>27,284</b>	<b>25,067</b>	<b>25,340</b>	<b>24,103</b>	<b>25,246</b>	<b>25,677</b>
Algeria	2,147	2,205	2,694	2,752	2,581	2,481	2,213	2,088	2,229	2,337
Egypt	2,150	2,005	2,844	4,853	3,327	3,900	4,082	4,100	4,365	4,431
Kenya	170	181	230	164	249	203	195	189	198	172
Libyan Arab Republic	551	309	490	282	361	400	486	979	1,200	903
Morocco	540	683	649	448	494	517	603	518	500	600
Nigeria	760	535	869	430	567	539	385	397	411	877
South Africa (D)	4,311	4,617	4,066	4,113	4,239	4,660	4,880	4,480	4,061	3,587
Tanzania	70	58	56	42	51	50	55	50	50	60
Tunisia (D)	564	467	420	420	404	466	483	560	506	715
Zaire	50	73	24	19	27	59	46	27	30	30
Zambia	8	11	23	24	2	5	5	5	5	5
Zimbabwe	267	105	379	336	294	303	274	405	437	429
Other Africa	805	1,055	1,056	856	656	657	657	662	662	662
<b>Africa</b>	<b>12,393</b>	<b>12,304</b>	<b>13,801</b>	<b>14,740</b>	<b>13,253</b>	<b>14,239</b>	<b>14,363</b>	<b>14,460</b>	<b>14,653</b>	<b>14,808</b>
Bahrain	117	105	94	51	25	33	40	27	39	24
Iran	5,014	3,978	5,249	3,760	4,875	3,953	4,547	6,152	7,444	8,596
Iraq	1,000	750	852	394	579	580	782	650		
Israel	414	497	484	585	686	671	723	799	909	976
Jordan	369	302	244	354	356	380	364	371	171	195
Kuwait	591	955	306	343	104	129	45	30	43	195
Lebanon	340	443	320	166	97	100	100	100	150	150
Oman	256	387	452	246	250	250	250	250	250	250
Qatar	82	12	81	56	46	79	113	55	9	32
Saudi Arabia (D: 1987/92)	4,878	3,929	3,229	2,710	2,260	3,670	2,690	2,560	3,160	3,260
Syrian Arab Republic	404	737	980	181	127	110	123	190	215	161
Other	2,500	2,500	2,500	1,500	1,000	1,000	1,000	1,000	1,000	1,000
<b>Middle East</b>	<b>15,965</b>	<b>14,596</b>	<b>14,791</b>	<b>10,346</b>	<b>10,406</b>	<b>10,955</b>	<b>10,778</b>	<b>12,184</b>	<b>13,390</b>	<b>14,839</b>

Table 12  
(continued)

**APPARENT CONSUMPTION OF FINISHED STEEL**

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Bangladesh	191	300	425	378	361	404	373	376	284	255
P.R. China	39,439	45,949	54,812	56,742	54,134	53,529	54,358	52,646	55,035	67,401
Hong Kong	1,600	1,537	1,609	1,926	1,643	2,471	1,513	1,508	1,008	1,635
India (D)	9,857	9,555	10,744	11,520	13,830	14,930	15,670	16,900	15,850	15,280
Indonesia	2,466	2,305	2,085	2,507	2,284	2,396	2,756	4,182	3,994	3,939
Japan (D)	61,168	69,097	69,861	67,702	72,891	80,961	88,306	92,807	93,132	79,029
D.P.R. Korea (E)	5,092	5,400	5,400	5,477	5,577	5,654	5,731	5,785	5,785	5,785
R.o.Korea (D)	7,801	9,408	10,020	10,934	13,642	14,519	16,946	20,054	24,454	21,820
Malaysia	2,243	2,091	1,725	1,380	1,635	1,832	2,169	2,619	3,640	3,966
Pakistan	1,217	1,024	1,418	1,477	1,468	1,646	1,651	1,655	1,659	1,484
Philippines (D)	1,261	673	562	850	1,353	1,584	1,826	1,678	1,601	2,035
Singapore (D)	2,413	1,873	1,555	1,513	1,693	1,933	2,254	2,694	2,955	2,876
Taiwan (R.o.C.) (D)	4,808	5,071	5,263	6,529	7,834	9,690	11,750	12,790	15,780	17,750
Thailand	1,672	1,293	1,650	1,373	1,819	2,529	3,065	4,696	6,387	7,739
Viet Nam (E: 1983/90)	146	146	146	149	153	157	165	178	211	399
Other	842	993	1,031	1,052	1,302	1,361	1,361	1,362	1,362	1,362
<b>Asia</b>	<b>142,215</b>	<b>156,716</b>	<b>168,306</b>	<b>171,508</b>	<b>181,620</b>	<b>195,595</b>	<b>209,893</b>	<b>221,929</b>	<b>233,135</b>	<b>232,754</b>
Australia	3,860	4,877	4,625	4,773	4,853	5,580	5,606	4,722	4,309	4,697
New Zealand (D)	628	630	554	690	621	633	492	562	456	435
<b>Oceania</b>	<b>4,488</b>	<b>5,507</b>	<b>5,179</b>	<b>5,463</b>	<b>5,474</b>	<b>6,213</b>	<b>6,098</b>	<b>5,284</b>	<b>4,765</b>	<b>5,132</b>
<b>World</b>	<b>538,533</b>	<b>580,148</b>	<b>591,370</b>	<b>597,205</b>	<b>615,523</b>	<b>653,746</b>	<b>664,316</b>	<b>654,039</b>	<b>626,251</b>	<b>613,790</b>

of which:

Total Industrial Cts.	254,497	285,685	284,123	281,250	293,795	327,287	333,432	332,999	319,817	309,976
Total Developing Cts.	78,789	80,269	85,083	87,455	94,662	100,050	106,094	116,085	127,963	131,725
Total Western World	333,287	365,954	369,206	368,704	388,457	427,337	439,526	449,084	447,781	441,702
Total C.P.E.s/E.i.T.s	205,246	214,193	222,163	228,500	227,066	226,409	224,790	204,955	178,471	172,088

(1) - former German Democratic Republic included with F.R. Germany from 1991.

Apparent Consumption of Finished Steel  
million metric tons

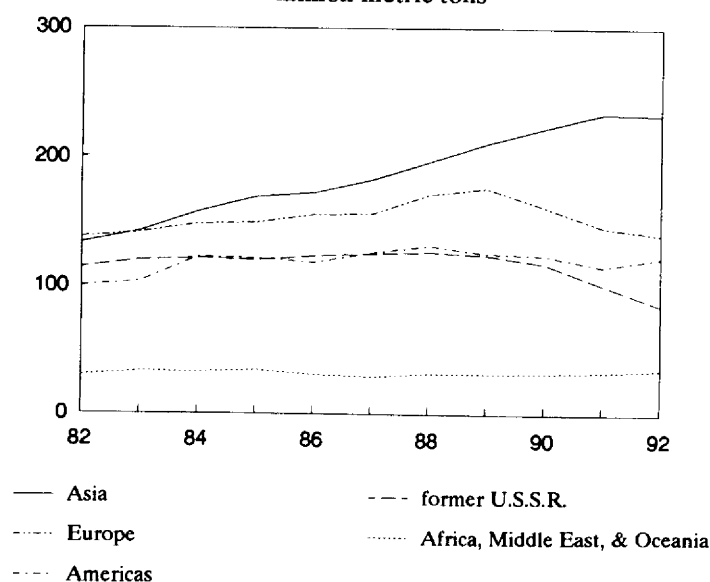




Table 13A

**STEEL INTENSITY OF G.D.P.**  
kg crude steel consumption per US\$ at 1985 prices

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium-Luxembourg	0.0454	0.0531	0.0451	0.0442	0.0367	0.0490	0.0424	0.0376	0.0403	0.0395
Denmark	0.0236	0.0290	0.0322	0.0308	0.0270	0.0285	0.0299	0.0294	0.0290	0.0322
France	0.0302	0.0302	0.0283	0.0271	0.0270	0.0296	0.0294	0.0295	0.0269	0.0257
F.R. Germany	0.0511	0.0510	0.0495	0.0484	0.0453	0.0533	0.0519	0.0472	0.0520	0.0505
Greece	0.0668	0.0490	0.0538	0.0546	0.0563	0.0551	0.0538	0.0539	0.0641	0.0486
Ireland	0.0228	0.0234	0.0214	0.0187	0.0188	0.0229	0.0229	0.0199	0.0179	0.0166
Italy	0.0467	0.0525	0.0515	0.0516	0.0521	0.0562	0.0576	0.0578	0.0533	0.0511
Netherlands	0.0270	0.0312	0.0334	0.0320	0.0266	0.0323	0.0320	0.0335	0.0315	0.0292
Portugal	0.0611	0.0585	0.0745	0.0580	0.0706	0.0781	0.0813	0.0760	0.0827	0.0860
Spain	0.0516	0.0457	0.0422	0.0483	0.0494	0.0556	0.0576	0.0563	0.0529	0.0502
United Kingdom	0.0337	0.0323	0.0310	0.0307	0.0296	0.0331	0.0323	0.0308	0.0276	0.0255
<b>European Union</b>	<b>0.0410</b>	<b>0.0416</b>	<b>0.0403</b>	<b>0.0399</b>	<b>0.0386</b>	<b>0.0436</b>	<b>0.0432</b>	<b>0.0417</b>	<b>0.0411</b>	<b>0.0393</b>
Austria	0.0413	0.0415	0.0425	0.0415	0.0409	0.0429	0.0421	0.0424	0.0418	0.0434
Finland	0.0377	0.0390	0.0336	0.0352	0.0325	0.0330	0.0359	0.0316	0.0250	0.0247
Iceland									0.0130	0.0117
Norway	0.0260	0.0282	0.0268	0.0285	0.0220	0.0232	0.0200	0.0215	0.0196	0.0217
Sweden	0.0381	0.0383	0.0352	0.0359	0.0360	0.0372	0.0362	0.0341	0.0273	0.0280
Switzerland	0.0212	0.0246	0.0240	0.0249	0.0237	0.0272	0.0261	0.0247	0.0203	0.0191
Turkey (G.N.P.)	0.0810	0.1062	0.0939	0.0938	0.0958	0.0860	0.1096	0.0924	0.0972	0.0880
Yugoslavia (E)	0.1206	0.1175	0.1191	0.1345	0.1460	0.1202	0.1156	0.0674	0.0393	...
<b>Other Western Europe</b>	<b>0.0466</b>	<b>0.0499</b>	<b>0.0472</b>	<b>0.0492</b>	<b>0.0490</b>	<b>0.0467</b>	<b>0.0484</b>	<b>0.0417</b>	<b>0.0377</b>	<b>0.0375</b>
<b>Western Europe</b>	<b>0.0418</b>	<b>0.0429</b>	<b>0.0414</b>	<b>0.0413</b>	<b>0.0402</b>	<b>0.0441</b>	<b>0.0440</b>	<b>0.0417</b>	<b>0.0405</b>	<b>0.0390</b>
Czechoslovakia (N.M.P.)	0.3623	0.3428	0.3380	0.3316	0.3192	0.3079	0.3144	0.2991	0.1942	0.1534
Hungary	0.1770	0.1598	0.1871	0.1728	0.1625	0.1576	0.1478	0.1330	0.0982	0.0852
Romania	0.2384	0.2509	0.2401	0.2374	0.2353	0.2142	0.2440	0.1925	0.1606	0.1098
<b>Eastern Europe</b>	<b>0.2649</b>	<b>0.2610</b>	<b>0.2608</b>	<b>0.2546</b>	<b>0.2473</b>	<b>0.2329</b>	<b>0.2467</b>	<b>0.2170</b>	<b>0.1595</b>	<b>0.1210</b>
<b>Europe</b>	<b>0.0491</b>	<b>0.0501</b>	<b>0.0485</b>	<b>0.0482</b>	<b>0.0468</b>	<b>0.0499</b>	<b>0.0499</b>	<b>0.0465</b>	<b>0.0434</b>	<b>0.0408</b>
Canada	0.0353	0.0398	0.0390	0.0346	0.0357	0.0380	0.0351	0.0275	0.0267	0.0257
United States	0.0270	0.0296	0.0270	0.0235	0.0247	0.0254	0.0231	0.0229	0.0205	0.0215
<b>North America</b>	<b>0.0277</b>	<b>0.0304</b>	<b>0.0280</b>	<b>0.0244</b>	<b>0.0256</b>	<b>0.0264</b>	<b>0.0241</b>	<b>0.0233</b>	<b>0.0210</b>	<b>0.0218</b>
Argentina	0.0421	0.0407	0.0296	0.0369	0.0443	0.0400	0.0307	0.0231	0.0340	0.0364
Brazil	0.0431	0.0517	0.0538	0.0604	0.0600	0.0470	0.0490	0.0413	0.0397	0.0415
Chile	0.0315	0.0420	0.0411	0.0436	0.0448	0.0523	0.0473	0.0422	0.0451	0.0562
Mexico	0.0378	0.0424	0.0434	0.0360	0.0356	0.0375	0.0385	0.0411	0.0443	0.0473
Trinidad & Tobago	0.0192	0.0213	0.0257	0.0354	0.0449	0.0433	0.0385	0.0391	0.0466	0.0576
Venezuela	0.0269	0.0355	0.0295	0.0413	0.0447	0.0446	0.0342	0.0234	0.0358	0.0261
<b>Latin America</b>	<b>0.0386</b>	<b>0.0447</b>	<b>0.0441</b>	<b>0.0471</b>	<b>0.0483</b>	<b>0.0432</b>	<b>0.0420</b>	<b>0.0372</b>	<b>0.0404</b>	<b>0.0416</b>
Nigeria	0.0103	0.0085	0.0125	0.0060	0.0079	0.0068	0.0045	0.0043	0.0042	0.0086
South Africa	0.0966	0.1002	0.0893	0.0903	0.0912	0.0961	0.0986	0.0907	0.0827	0.0737
Tunisia	0.0957	0.0725	0.0646	0.0609	0.0551	0.0679	0.0637	0.0712	0.0621	0.0839
Zimbabwe	0.0268	0.0324	0.0372	0.0366	0.0346	0.0378	0.0441	0.0231	0.0341	0.0335
Israel	0.0218	0.0251	0.0234	0.0270	0.0296	0.0280	0.0296	0.0309	0.0330	0.0331
Saudi Arabia	0.0627	0.0510	0.0435	0.0343	0.0283	0.0418	0.0305	0.0263	0.0297	0.0297

**Table 13A**  
(continued)

**STEEL INTENSITY OF G.D.P.**  
kg crude steel consumption per US\$ at 1985 prices

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
India	0.0603	0.0692	0.0680	0.0688	0.0757	0.0742	0.0741	0.0759	0.0701	0.0651
Indonesia	0.0357	0.0308	0.0271	0.0305	0.0264	0.0274	0.0278	0.0393	0.0351	0.0324
Japan	0.0537	0.0580	0.0544	0.0507	0.0528	0.0570	0.0584	0.0592	0.0570	0.0476
R.o.Korea	0.1123	0.1324	0.1217	0.1167	0.1286	0.1213	0.1319	0.1421	0.1590	0.1353
Philippines	0.0420	0.0251	0.0219	0.0321	0.0490	0.0597	0.0648	0.0602	0.0558	0.0708
Singapore	0.1584	0.1204	0.1154	0.1154	0.1124	0.1162	0.1262	0.1332	0.1312	0.1209
Taiwan (R.o.C.)	0.1044	0.0995	0.0984	0.1094	0.1168	0.1340	0.1514	0.1569	0.1803	0.1910
Australia	0.0340	0.0395	0.0357	0.0362	0.0341	0.0360	0.0342	0.0283	0.0261	0.0276
New Zealand	0.0393	0.0438	0.0402	0.0333	0.0372	0.0286	0.0295	0.0317	0.0297	0.0246
<b>Oceania</b>	<b>0.0347</b>	<b>0.0400</b>	<b>0.0362</b>	<b>0.0358</b>	<b>0.0345</b>	<b>0.0351</b>	<b>0.0336</b>	<b>0.0287</b>	<b>0.0265</b>	<b>0.0272</b>
<b>Total Above</b>	<b>0.0412</b>	<b>0.0436</b>	<b>0.0412</b>	<b>0.0393</b>	<b>0.0402</b>	<b>0.0421</b>	<b>0.0415</b>	<b>0.0405</b>	<b>0.0390</b>	<b>0.0371</b>
of which:										
Total Industrial Cts.	0.0365	0.0387	0.0364	0.0341	0.0346	0.0370	0.0361	0.0352	0.0336	0.0318
Total Developing Cts.	0.0559	0.0598	0.0576	0.0590	0.0627	0.0629	0.0642	0.0645	0.0675	0.0657
Total Western World	0.0389	0.0413	0.0390	0.0372	0.0382	0.0403	0.0397	0.0390	0.0382	0.0365
Total C.P.E.s/E.i.T.s	0.2649	0.2610	0.2608	0.2546	0.2473	0.2329	0.2467	0.2170	0.1595	0.1210

G.N.P. - Steel Intensity of Gross National Product

N.M.P. - Steel Intensity of Net Material Product

Totals refer only to countries listed.

Table 13B

**STEEL INTENSITY OF G.D.P.**  
kg finished steel consumption per US\$ at 1985 prices

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium-Luxembourg	0.0371	0.0439	0.0378	0.0377	0.0319	0.0427	0.0370	0.0328	0.0352	0.0348
Denmark	0.0200	0.0247	0.0276	0.0266	0.0234	0.0248	0.0262	0.0258	0.0255	0.0285
France	0.0258	0.0259	0.0249	0.0241	0.0242	0.0265	0.0263	0.0264	0.0241	0.0231
F.R. Germany	0.0442	0.0445	0.0434	0.0427	0.0402	0.0473	0.0462	0.0421	0.0463	0.0451
Greece	0.0566	0.0418	0.0461	0.0471	0.0488	0.0480	0.0471	0.0473	0.0565	0.0429
Ireland	0.0193	0.0200	0.0184	0.0161	0.0164	0.0199	0.0201	0.0175	0.0158	0.0146
Italy	0.0402	0.0456	0.0451	0.0455	0.0464	0.0502	0.0516	0.0518	0.0478	0.0460
Netherlands	0.0171	0.0273	0.0291	0.0281	0.0247	0.0299	0.0299	0.0300	0.0278	0.0260
Portugal	0.0518	0.0498	0.0454	0.0484	0.0581	0.0775	0.1165	0.0945	0.0883	0.0987
Spain	0.0428	0.0407	0.0371	0.0457	0.0468	0.0527	0.0545	0.0533	0.0500	0.0475
United Kingdom	0.0257	0.0257	0.0247	0.0241	0.0248	0.0279	0.0281	0.0258	0.0228	0.0220
<b>European Union</b>	<b>0.0342</b>	<b>0.0357</b>	<b>0.0346</b>	<b>0.0348</b>	<b>0.0342</b>	<b>0.0388</b>	<b>0.0391</b>	<b>0.0374</b>	<b>0.0366</b>	<b>0.0354</b>
Austria	0.0325	0.0329	0.0338	0.0328	0.0322	0.0350	0.0340	0.0346	0.0339	0.0350
Finland	0.0462	0.0321	0.0318	0.0303	0.0289	0.0292	0.0311	0.0275	0.0204	0.0230
Iceland									0.0115	0.0103
Norway	0.0205	0.0223	0.0211	0.0224	0.0199	0.0205	0.0197	0.0215	0.0200	0.0212
Sweden	0.0284	0.0286	0.0263	0.0269	0.0270	0.0278	0.0271	0.0255	0.0204	0.0209
Switzerland	0.0191	0.0222	0.0217	0.0225	0.0214	0.0246	0.0236	0.0223	0.0184	0.0172
Turkey (G.N.P.)	0.0714	0.0846	0.0901	0.1070	0.0946	0.0880	0.0973	0.0950	0.0932	0.0837
Yugoslavia (E)	0.1012	0.0986	0.1002	0.1132	0.1230	0.1025	0.0989	0.0580	0.0354	...
<b>Other Western Europe</b>	<b>0.0402</b>	<b>0.0404</b>	<b>0.0405</b>	<b>0.0439</b>	<b>0.0426</b>	<b>0.0411</b>	<b>0.0413</b>	<b>0.0375</b>	<b>0.0334</b>	<b>0.0333</b>
<b>Western Europe</b>	<b>0.0351</b>	<b>0.0364</b>	<b>0.0356</b>	<b>0.0362</b>	<b>0.0355</b>	<b>0.0392</b>	<b>0.0394</b>	<b>0.0374</b>	<b>0.0361</b>	<b>0.0351</b>
Czechoslovakia (N.M.P.)	0.2714	0.2576	0.2541	0.2496	0.2403	0.2318	0.2369	0.2262	0.1686	0.1307
Hungary	0.1341	0.1214	0.1416	0.1404	0.1314	0.1207	0.1095	0.0797	0.0567	0.0618
Romania	0.1917	0.2032	0.1951	0.1927	0.1913	0.1737	0.1989	0.1575	0.1310	0.0907
<b>Eastern Europe</b>	<b>0.2049</b>	<b>0.2034</b>	<b>0.2032</b>	<b>0.2004</b>	<b>0.1947</b>	<b>0.1815</b>	<b>0.1922</b>	<b>0.1648</b>	<b>0.1288</b>	<b>0.0995</b>
<b>Europe</b>	<b>0.0406</b>	<b>0.0420</b>	<b>0.0410</b>	<b>0.0415</b>	<b>0.0406</b>	<b>0.0436</b>	<b>0.0439</b>	<b>0.0408</b>	<b>0.0384</b>	<b>0.0365</b>
Canada	0.0275	0.0313	0.0312	0.0290	0.0302	0.0321	0.0289	0.0255	0.0234	0.0242
United States	0.0211	0.0233	0.0216	0.0196	0.0202	0.0209	0.0192	0.0193	0.0176	0.0185
<b>North America</b>	<b>0.0216</b>	<b>0.0240</b>	<b>0.0223</b>	<b>0.0203</b>	<b>0.0210</b>	<b>0.0218</b>	<b>0.0200</b>	<b>0.0198</b>	<b>0.0181</b>	<b>0.0190</b>
Argentina	0.0331	0.0324	0.0239	0.0306	0.0367	0.0246	0.0194	0.0287	0.0322	0.0332
Brazil	0.0368	0.0449	0.0463	0.0526	0.0508	0.0428	0.0456	0.0364	0.0366	0.0342
Chile	0.0247	0.0315	0.0300	0.0338	0.0332	0.0394	0.0374	0.0321	0.0347	0.0439
Mexico	0.0298	0.0333	0.0346	0.0283	0.0291	0.0308	0.0306	0.0346	0.0371	0.0388
Trinidad & Tobago	0.0162	0.0164	0.0174	0.0229	0.0348	0.0299	0.0212	0.0358	0.0462	0.0509
Venezuela	0.0196	0.0244	0.0190	0.0282	0.0323	0.0325	0.0266	0.0274	0.0306	0.0295
<b>Latin America</b>	<b>0.0313</b>	<b>0.0364</b>	<b>0.0360</b>	<b>0.0388</b>	<b>0.0397</b>	<b>0.0355</b>	<b>0.0355</b>	<b>0.0338</b>	<b>0.0356</b>	<b>0.0355</b>
Nigeria	0.0087	0.0072	0.0107	0.0052	0.0068	0.0059	0.0039	0.0037	0.0037	0.0076
South Africa	0.0782	0.0812	0.0724	0.0732	0.0739	0.0779	0.0798	0.0736	0.0670	0.0604
Tunisia	0.0761	0.0596	0.0507	0.0515	0.0464	0.0535	0.0534	0.0576	0.0501	0.0655
Zimbabwe	0.0639	0.0255	0.0871	0.0751	0.0666	0.0661	0.0572	0.0827	0.0862	0.0846
Israel	0.0185	0.0214	0.0201	0.0233	0.0257	0.0244	0.0259	0.0271	0.0291	0.0293
Saudi Arabia	0.0531	0.0435	0.0373	0.0296	0.0250	0.0378	0.0277	0.0238	0.0268	0.0268

**Table 13B**  
(continued)

**STEEL INTENSITY OF G.D.P.**  
kg finished steel consumption per US\$ at 1985 prices

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
India	0.0512	0.0476	0.0507	0.0518	0.0594	0.0582	0.0579	0.0591	0.0547	0.0521
Indonesia	0.0309	0.0270	0.0239	0.0271	0.0235	0.0246	0.0250	0.0354	0.0316	0.0293
Japan	0.0501	0.0539	0.0518	0.0491	0.0508	0.0531	0.0553	0.0555	0.0535	0.0448
R.o.Korea	0.0982	0.1167	0.1078	0.1047	0.1166	0.1113	0.1224	0.1327	0.1492	0.1270
Philippines	0.0350	0.0209	0.0183	0.0267	0.0408	0.0448	0.0486	0.0436	0.0418	0.0531
Singapore	0.1453	0.1038	0.0879	0.0840	0.0859	0.0882	0.0942	0.1039	0.1068	0.0982
Taiwan (R.o.C.)	0.0870	0.0829	0.0820	0.0911	0.0973	0.1116	0.1261	0.1307	0.1503	0.1592
Australia	0.0273	0.0318	0.0287	0.0291	0.0283	0.0311	0.0300	0.0249	0.0230	0.0244
New Zealand	0.0302	0.0287	0.0245	0.0295	0.0268	0.0270	0.0212	0.0241	0.0200	0.0188
<b>Oceania</b>	<b>0.0276</b>	<b>0.0314</b>	<b>0.0282</b>	<b>0.0292</b>	<b>0.0281</b>	<b>0.0306</b>	<b>0.0290</b>	<b>0.0248</b>	<b>0.0226</b>	<b>0.0238</b>
<b>Total Above</b>	<b>0.0344</b>	<b>0.0363</b>	<b>0.0348</b>	<b>0.0340</b>	<b>0.0347</b>	<b>0.0364</b>	<b>0.0362</b>	<b>0.0356</b>	<b>0.0346</b>	<b>0.0329</b>
of which:										
Total Industrial Cts.	0.0305	0.0327	0.0312	0.0300	0.0304	0.0324	0.0320	0.0314	0.0300	0.0286
Total Developing Cts.	0.0470	0.0483	0.0472	0.0487	0.0524	0.0526	0.0541	0.0556	0.0583	0.0564
Total Western World	0.0326	0.0346	0.0331	0.0324	0.0332	0.0350	0.0349	0.0346	0.0339	0.0325
Total C.P.E.s/E.i.T.s	0.2049	0.2034	0.2032	0.2004	0.1947	0.1815	0.1922	0.1648	0.1288	0.0995

G.N.P. - Steel Intensity of Gross National Product

N.M.P. - Steel Intensity of Net Material Product

Totals refer only to countries listed.

Table 14

**DIRECT REDUCED IRON PRODUCTION**

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
F.R. Germany	70	100	100	170	200	270	353	310	260	170
Sweden	103	120	108	111	117	122	116	109	102	103
<b>Europe</b>	<b>173</b>	<b>220</b>	<b>208</b>	<b>281</b>	<b>317</b>	<b>392</b>	<b>469</b>	<b>419</b>	<b>362</b>	<b>273</b>
<b>former U.S.S.R.</b>	<b>20</b>	<b>370</b>	<b>420</b>	<b>750</b>	<b>1,260</b>	<b>1,680</b>	<b>1,700</b>	<b>1,690</b>	<b>1,700</b>	<b>1,580</b>
Canada	538	500	740	690	730	770	705	731	553	639
United States		120	140	160	210	290	291	390	410	390
<b>North America</b>	<b>538</b>	<b>620</b>	<b>880</b>	<b>850</b>	<b>940</b>	<b>1,060</b>	<b>996</b>	<b>1,121</b>	<b>963</b>	<b>1,029</b>
Argentina	950	898	989	935	1,033	1,067	1,167	1,035	954	1,027
Brazil	255	245	285	295	202	195	258	260	226	230
Mexico	1,497	1,448	1,500	1,420	1,551	1,648	2,148	2,525	2,462	2,394
Trinidad & Tobago	284	239	203	375	492	593	691	698	683	675
Venezuela	2,418	2,490	2,633	2,938	3,152	3,096	2,420	3,128	3,476	3,902
<b>Latin America</b>	<b>5,404</b>	<b>5,319</b>	<b>5,611</b>	<b>5,963</b>	<b>6,429</b>	<b>6,599</b>	<b>6,685</b>	<b>7,647</b>	<b>7,800</b>	<b>8,228</b>
Egypt				31	464	759	817	1,051	1,100	826
Libya							90	500	777	847
Nigeria	156	142	242	109	131	132	124	112	108	50
South Africa	24	165	543	746	840	759	772	882	863	854
<b>Africa</b>	<b>180</b>	<b>307</b>	<b>785</b>	<b>886</b>	<b>1,435</b>	<b>1,650</b>	<b>1,803</b>	<b>2,546</b>	<b>2,848</b>	<b>2,577</b>
Iran			30				40	264	470	709
Iraq						100	172	170		
Qatar	390	500	490	490	470	495	531	573	566	617
Saudi Arabia	351	730	991	1,170	1,040	1,080	1,207	1,085	1,117	1,611
<b>Middle East</b>	<b>741</b>	<b>1,230</b>	<b>1,511</b>	<b>1,660</b>	<b>1,510</b>	<b>1,675</b>	<b>1,950</b>	<b>2,092</b>	<b>2,153</b>	<b>2,937</b>
India	54	80	102	148	190	190	340	720	1,150	1,440
Indonesia	469	738	1,060	1,323	1,028	985	1,210	1,357	1,430	1,370
Malaysia		40	520	580	590	427	644	620	620	550
Myanmar	10	10	30	30	20	20	20	20	20	10
<b>Asia</b>	<b>533</b>	<b>868</b>	<b>1,712</b>	<b>2,081</b>	<b>1,828</b>	<b>1,622</b>	<b>2,214</b>	<b>2,717</b>	<b>3,220</b>	<b>3,370</b>
New Zealand	150	170	170	80		418	493	555	594	600 E
<b>World</b>	<b>7,739</b>	<b>9,104</b>	<b>11,297</b>	<b>12,550</b>	<b>13,719</b>	<b>15,096</b>	<b>16,310</b>	<b>18,787</b>	<b>19,640</b>	<b>20,594</b>
of which:										
Total Industrial Cts.	885	1,175	1,801	1,957	2,097	2,629	2,730	2,977	2,782	2,755
Total Developing Cts.	6,834	7,559	9,076	9,843	10,362	10,787	11,880	14,120	15,158	16,259
Total Western World	7,719	8,734	10,877	11,800	12,459	13,416	14,610	17,097	17,940	19,014
Total C.P.E.s/E.i.T.s	20	370	420	750	1,260	1,680	1,700	1,690	1,700	1,580

Table 15

**PELLET PRODUCTION**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	569	604	613	557	500	710	588	663	500	500 E
Netherlands	0	3,700	3,600	3,500	3,700	3,796	4,000	3,844	3,500	2,200
Finland	332	338	140				496	488	602	639
Norway (E)	2,600	2,100	1,800	1,700	1,500	1,400	1,400	1,400	1,200	1,500
Sweden	4,955	6,548	8,743	8,842	9,152	9,109	10,026	9,965	9,785	10,316
Turkey	0	0	35	503	864	982	786	1,032	1,000	1,000
Yugoslavia (E: 90-91)	75	70	81	76	56	25	61	50	25	...
<b>Western Europe</b>	<b>8,531</b>	<b>13,360</b>	<b>15,012</b>	<b>15,178</b>	<b>15,772</b>	<b>16,022</b>	<b>17,357</b>	<b>17,442</b>	<b>16,612</b>	<b>16,155</b>
Czechoslovakia (E: 90-92)	200	200	223	230	230	262	283	281	312	300 E
<b>Europe</b>	<b>8,731</b>	<b>13,560</b>	<b>15,235</b>	<b>15,408</b>	<b>16,002</b>	<b>16,284</b>	<b>17,640</b>	<b>17,723</b>	<b>16,924</b>	<b>16,455</b>
Ukraine								27,917	22,144	...
<b>former U.S.S.R.</b>	<b>59,800</b>	<b>63,100</b>	<b>65,607</b>	<b>66,500</b>	<b>68,800</b>	<b>67,973</b>	<b>68,700</b>	<b>68,000</b>	<b>60,200</b>	<b>54,900</b>
Canada	16,451	20,264	23,920	23,861	24,120	26,291	27,113	22,515	21,400	19,600
United States	36,904	50,887	47,724	37,795	45,911	55,957	57,285	55,001	54,700	53,500
<b>North America</b>	<b>53,355</b>	<b>71,151</b>	<b>71,644</b>	<b>61,656</b>	<b>70,031</b>	<b>82,248</b>	<b>84,398</b>	<b>77,516</b>	<b>76,100</b>	<b>73,100</b>
Argentina	546	465	495	646	465	597	658	593	600	600
Brazil	14,480	22,290	22,619	24,268	24,852	26,084	26,990	24,684	24,400	22,500
Chile	3,072	3,371	3,607	3,317	3,694	4,073	3,924	4,015	4,100	3,900
Mexico	6,403	7,356	6,640	6,663	7,400	7,937	7,582	8,298	8,000	8,000
Peru	1,101	995	1,785	1,916	2,011	1,774	1,848	1,304	1,360	1,437
Venezuela	3,567	3,184	3,652	3,293	4,344	4,808	4,654	5,249	5,600	5,000
<b>Latin America</b>	<b>29,169</b>	<b>37,661</b>	<b>38,798</b>	<b>40,103</b>	<b>42,766</b>	<b>45,273</b>	<b>45,656</b>	<b>44,143</b>	<b>44,060</b>	<b>41,437</b>
Liberia	3,500	2,600	3,000	2,700	3,060	3,215	3,000	1,500	0	0
Bahrain (E)			400	500	800	1,000	1,000	1,000	1,000	1,000 E
Iran								585	900	1,000
<b>Middle East</b>	<b>0</b>	<b>0</b>	<b>400</b>	<b>500</b>	<b>800</b>	<b>1,000</b>	<b>1,000</b>	<b>1,585</b>	<b>1,900</b>	<b>2,000</b>
P.R. China	2,280	2,310	2,790	3,620	4,320	5,810	7,840	8,518	10,390	11,530
India			100	200	587	1,467	1,878	1,664	1,919	1,200
Japan	3,053	3,112	3,014	2,506	2,625	3,109	3,128	3,378	3,393	3,487
<b>Asia</b>	<b>5,333</b>	<b>5,422</b>	<b>5,904</b>	<b>6,326</b>	<b>7,532</b>	<b>10,386</b>	<b>12,846</b>	<b>13,560</b>	<b>15,702</b>	<b>16,217</b>
Australia	3,043	3,497	3,725	3,338	3,309	3,400	3,600	4,537	3,475	1,420
<b>World</b>	<b>162,931</b>	<b>196,991</b>	<b>204,313</b>	<b>196,531</b>	<b>212,300</b>	<b>229,779</b>	<b>236,840</b>	<b>228,564</b>	<b>218,361</b>	<b>205,529</b>
of which:										
Total Industrial Cts.	67,982	91,120	93,395	82,678	91,737	104,779	108,483	102,873	99,580	94,162
Total Developing Cts.	32,669	40,261	42,298	43,503	47,213	50,955	51,534	48,892	47,879	44,637
Total Western World	100,651	131,381	135,693	126,181	138,950	155,734	160,017	151,765	147,459	138,799
Total C.P.E.s/E.i.T.s	62,280	65,610	68,620	70,350	73,350	74,045	76,823	76,799	70,902	66,730

E - estimate

Shaded figures are not included in totals.

Table 16

**SINTER PRODUCTION**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	11,195	12,449	11,895	11,082	11,170	12,124	11,601	12,128	12,459	11,350
France	22,776	23,960	24,556	20,873	15,302	22,704	23,294	22,413	20,503	19,767
F.R. Germany (1)	26,855	30,827	30,929	29,311	26,140	28,133	29,789	27,369	29,134	26,495
Italy	12,656	13,630	14,515	13,478	13,008	12,397	12,906	13,113	13,381	12,066
Luxembourg	4,510	4,891	4,952	4,431	4,101	4,572	4,875	4,803	4,567	4,152
Netherlands	2,653	3,523	3,742	3,706	3,682	3,935	4,042	4,061	3,950	3,867
Portugal	440	444	477	492	429	413	395	344	275	400 E
Spain	8,253	7,410	7,465	6,919	6,600	6,038	6,228	6,177	6,536	5,995
United Kingdom	9,869	10,326	10,864	9,915	11,550	13,067	13,282	13,730	13,696	13,435
<b>European Union</b>	<b>99,207</b>	<b>107,460</b>	<b>109,395</b>	<b>100,207</b>	<b>91,982</b>	<b>103,383</b>	<b>106,412</b>	<b>104,138</b>	<b>104,501</b>	<b>97,527</b>
Austria	5,551	5,866	5,696	5,259	4,814	4,431	4,775	4,380	4,412	3,026
Finland	2,809	2,854	2,637	2,761	2,837	2,970	3,057	3,062	2,987	3,144
Norway	732	627	666	620	633	673	297	0	0	0
Sweden	1,116	1,097	1,127	1,100	1,050	1,091	1,141	1,123	1,139	1,100
Turkey	2,869	3,034	3,303	2,916	3,968	4,257	3,193	4,508	4,232	4,400
Yugoslavia	4,005	4,064	4,305	3,905	3,756	3,777	3,780	3,300	1,800	800 E
<b>Other Western Europe</b>	<b>17,082</b>	<b>17,542</b>	<b>17,734</b>	<b>16,561</b>	<b>17,058</b>	<b>17,199</b>	<b>16,243</b>	<b>16,373</b>	<b>14,570</b>	<b>12,470</b>
<b>Western Europe</b>	<b>116,289</b>	<b>125,002</b>	<b>127,129</b>	<b>116,768</b>	<b>109,040</b>	<b>120,582</b>	<b>122,655</b>	<b>120,511</b>	<b>119,071</b>	<b>109,997</b>
Bulgaria	3,000	3,000	3,196	3,000	2,717	2,287	2,365	1,863	1,500	1,400 E
Czechoslovakia	14,315	13,587	14,008	14,150	13,000	12,464	13,076	12,669	11,353	10,415
Hungary Dem. Rep. (1)	3,168	3,279	3,148	3,296	3,207	3,346	3,199	2,500 E		
Hungary	4,001	3,591	3,322	3,342	3,023	2,875	2,423	1,773	1,428	1,280
Poland	14,632	15,127	14,586	15,618	15,401	14,054	12,993	11,779	8,613	8,622
Romania	11,529	13,797	13,570	14,021	14,000	13,880	13,002	8,846	5,714	5,102
<b>Eastern Europe</b>	<b>50,645</b>	<b>52,381</b>	<b>51,830</b>	<b>53,427</b>	<b>51,348</b>	<b>48,906</b>	<b>47,058</b>	<b>39,430</b>	<b>28,608</b>	<b>26,819</b>
<b>Europe</b>	<b>166,934</b>	<b>177,383</b>	<b>178,959</b>	<b>170,195</b>	<b>160,388</b>	<b>169,488</b>	<b>169,713</b>	<b>159,941</b>	<b>147,679</b>	<b>136,816</b>
Ukraine								64,094	54,088	...
<b>former U.S.S.R.</b>	<b>154,500</b>	<b>155,000</b>	<b>147,347</b>	<b>154,466</b>	<b>150,600</b>	<b>150,342</b>	<b>147,407</b>	<b>142,900</b>	<b>118,600</b>	<b>118,400 E</b>
Canada	2,021	2,727	2,574	2,114	1,392	1,396	1,906	1,900	1,200	1,000
United States	16,415	17,177	16,264	13,247	14,462	15,497	13,664	13,432	12,500	11,500
<b>North America</b>	<b>18,436</b>	<b>19,904</b>	<b>18,838</b>	<b>15,361</b>	<b>15,854</b>	<b>16,893</b>	<b>15,570</b>	<b>15,332</b>	<b>13,700</b>	<b>12,500</b>
Argentina	815	820	876	881	904	811	928	838	743	700 E
Brazil	14,417	18,880	20,817	21,471	21,871	24,952	24,703	21,395	23,903	24,985
Colombia	361	259	324	390	405	396	376	415	401	400 E
Mexico	1,096	1,136	1,187	1,277	1,073	946	841	861	413	400 E
Peru	2,401	1,849	2,026	2,117	2,597	1,855	1,482	1,559	1,674	1,388
<b>Latin America</b>	<b>19,090</b>	<b>22,944</b>	<b>25,230</b>	<b>26,136</b>	<b>26,850</b>	<b>28,960</b>	<b>28,330</b>	<b>25,068</b>	<b>27,134</b>	<b>27,873</b>
Tunisia	213	187	198	193	191	168	193	193	198	202
P.R. China	58,620	66,760	68,180	72,920	79,410	81,830	83,052	87,035	96,510	106,690
India	7,480	8,102	8,115	8,134	9,021	9,686	10,189	9,686	12,991	13,500 E
Japan	85,710	93,947	93,929	87,509	86,447	94,953	98,190	96,509	96,128	88,811
R.o.Korea	11,552	12,295	12,320	12,502	15,662	19,991	21,011	23,491	24,872	27,500 E
Philippines	3,101	3,948	3,900	3,774	4,307	4,607	4,679	4,402	4,750	4,900
Taiwan (R.o.C.)	4,925	4,788	4,897	5,266	5,383	8,154	8,482	8,053	8,000	7,800
<b>Asia</b>	<b>171,388</b>	<b>189,840</b>	<b>191,341</b>	<b>190,105</b>	<b>200,230</b>	<b>219,221</b>	<b>225,603</b>	<b>229,176</b>	<b>243,251</b>	<b>249,201</b>
Australia	5,431	5,772	6,092	5,773	5,273	6,041	6,045	6,315	5,432	6,351
<b>World</b>	<b>535,992</b>	<b>571,030</b>	<b>568,005</b>	<b>562,229</b>	<b>559,386</b>	<b>591,113</b>	<b>592,861</b>	<b>578,925</b>	<b>555,994</b>	<b>551,343</b>
of which:										
Total Industrial Cts.	225,866	244,625	245,988	225,411	216,614	238,469	242,460	238,667	234,331	217,659
Total Developing Cts.	46,361	52,264	54,660	56,005	61,414	71,566	72,884	70,893	77,945	81,775
Total Western World	272,227	296,889	300,648	281,416	278,028	310,035	315,344	309,560	312,276	299,434
Total C.P.E.s/E.i.T.s	263,765	274,141	267,357	280,813	281,358	281,078	277,517	269,365	243,718	251,909

E - estimate

(1) - former German Democratic Republic included with F.R. Germany from 1991.

Shaded figures are not included in totals.

Table 17

## PIG IRON PRODUCTION

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	8,068	9,011	8,747	8,046	8,239	9,184	8,923	9,416	9,353	8,524
France	13,500	14,710	15,071	13,982	13,449	14,786	15,071	14,415	13,646	13,051
F.R. Germany (1)	26,598	30,203	31,531	29,018	28,517	32,453	32,777	30,097	30,989	28,548
Italy	10,313	11,631	12,063	11,898	11,335	11,375	11,795	11,883	10,857	10,451
Luxembourg	2,316	2,768	2,754	2,650	2,305	2,519	2,684	2,645	2,463	2,255
Netherlands	3,747	4,926	4,819	4,628	4,575	4,994	5,163	4,960	4,696	4,849
Portugal	364	474	519	525	530	545	377	339	251	402
Spain	5,426	5,319	5,457	4,808	4,804	4,691	5,535	5,482	5,404	5,076
United Kingdom	9,477	9,487	10,381	9,686	12,017	13,056	12,638	12,319	11,883	11,351
<b>European Union</b>	<b>79,809</b>	<b>88,529</b>	<b>91,342</b>	<b>85,241</b>	<b>85,771</b>	<b>93,603</b>	<b>94,963</b>	<b>91,556</b>	<b>89,542</b>	<b>84,507</b>
Austria	3,320	3,745	3,704	3,349	3,451	3,665	3,823	3,452	3,441	3,074
Finland	1,898	2,034	1,901	1,978	2,063	2,173	2,284	2,283	2,331	2,452
Norway	565	572	610	564	360	367	270	54	61	80
Sweden	2,011	2,214	2,424	2,435	2,314	2,492	2,638	2,736	2,812	2,735
Switzerland (E)	10	54	66	79	70	70	70	70	70	70 E
Turkey	2,719	2,902	3,193	3,733	4,068	4,462	3,508	4,827	4,594	4,489
Yugoslavia	2,845	2,855	3,120	3,063	2,867	2,916	2,898	2,313	1,266	
F.R. Yugoslavia										824
<b>Other Western Europe</b>	<b>13,368</b>	<b>14,376</b>	<b>15,018</b>	<b>15,201</b>	<b>15,193</b>	<b>16,145</b>	<b>15,490</b>	<b>15,735</b>	<b>14,575</b>	<b>13,806</b>
<b>Western Europe</b>	<b>93,177</b>	<b>102,905</b>	<b>106,360</b>	<b>100,442</b>	<b>100,964</b>	<b>109,748</b>	<b>110,453</b>	<b>107,291</b>	<b>104,118</b>	<b>98,313</b>
Albania (E)	35	40	45	50	50	50	55	40	10	0 E
Bulgaria	1,626	1,583	1,712	1,605	1,656	1,483	1,499	1,143	960	848
Czechoslovakia	9,466	9,561	9,562	9,573	9,788	9,706	9,911	9,667	8,479	8,039
Czech Republic										5,082
German Dem. Rep.	2,196	2,343	2,565	2,726	2,743	2,786	2,732	2,159		
Hungary	2,047	2,098	2,100	2,061	2,109	2,093	1,954	1,693	1,311	1,176
Poland	9,386	9,533	9,335	10,096	10,023	9,929	9,167	8,423	6,355	6,359
Romania	8,190	9,557	9,212	9,329	9,500	8,941	9,051	6,355	4,525	3,135
Slovak Republic										2,962
<b>Eastern Europe</b>	<b>32,946</b>	<b>34,715</b>	<b>34,531</b>	<b>35,440</b>	<b>35,869</b>	<b>34,988</b>	<b>34,369</b>	<b>29,480</b>	<b>21,640</b>	<b>19,557</b>
<b>Europe</b>	<b>126,123</b>	<b>137,620</b>	<b>140,891</b>	<b>135,882</b>	<b>136,833</b>	<b>144,736</b>	<b>144,822</b>	<b>136,771</b>	<b>125,758</b>	<b>117,870</b>
Kazakhstan										4,659
Russia								59,400	48,890	45,824
Ukraine										34,663
<b>C.I.S.</b>								<b>59,400</b>	<b>48,890</b>	<b>85,146</b>
Georgia										274
<b>former U.S.S.R.</b>	<b>110,453</b>	<b>110,893</b>	<b>109,977</b>	<b>113,840</b>	<b>113,900</b>	<b>114,559</b>	<b>113,928</b>	<b>110,167</b>	<b>90,953</b>	<b>85,420</b>
Canada	8,567	9,643	9,665	9,249	9,719	9,498	10,139	7,346	8,268	8,621
United States	44,208	47,087	45,764	39,873	43,917	50,572	50,677	49,666	44,123	47,378
<b>North America</b>	<b>52,775</b>	<b>56,730</b>	<b>55,429</b>	<b>49,122</b>	<b>53,636</b>	<b>60,070</b>	<b>60,816</b>	<b>57,012</b>	<b>52,391</b>	<b>55,999</b>



**Table 17**  
(continued)

**PIG IRON PRODUCTION**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Argentina	909	902	1,310	1,625	1,752	1,596	2,248	2,003	1,437	971
Brazil	12,945	17,230	18,961	20,163	20,944	23,454	24,363	21,141	22,695	23,152
Chile	539	594	580	591	617	776	679	675	726	873
Colombia	241	252	234	317	326	317	297	323	304	298
Mexico	3,537	3,926	3,595	3,738	3,712	3,639	3,230	3,645	3,039	3,404
Paraguay					50	80	61	58	69	89
Peru	113	4	163	216	185	166	209	120	200	158
Venezuela	169	326	441	493	473	485	455	314	0	0
<b>Latin America</b>	<b>18,453</b>	<b>23,233</b>	<b>25,283</b>	<b>27,144</b>	<b>28,059</b>	<b>30,513</b>	<b>31,542</b>	<b>28,279</b>	<b>28,470</b>	<b>28,945</b>
Algeria	1,113	1,150	1,200	1,240	1,499	1,500	950	840	1,320	1,300 E
Egypt	898	962	950	1,066	1,069	1,112	1,105	1,093	1,204	1,062
South Africa	5,215	5,531	6,010	5,774	6,317	6,171	6,543	6,257	6,968	6,498
Tunisia	147	148	142	149	163	128	155	148	172	157
Zimbabwe	584	400	674	644	557	545	525	521	535	507
Other Africa (E)	20	20	20	20	20	20	20	20	20	20 E
<b>Africa</b>	<b>7,977</b>	<b>8,211</b>	<b>8,996</b>	<b>8,893</b>	<b>9,624</b>	<b>9,476</b>	<b>9,298</b>	<b>8,879</b>	<b>10,219</b>	<b>9,544</b>
Iran (E: 83-89)	240	250	250	250	250	250	250	1,267	1,952	2,053
P.R. China	37,378	40,062	43,840	50,640	55,030	57,040	58,200	62,370	67,850	75,893
India	9,162	9,485	9,840	10,514	10,923	11,714	12,074	12,645	14,176	15,126
Japan	72,936	80,403	80,569	74,651	73,418	79,295	80,197	80,229	79,985	73,144
D.P.R. Korea (E)	5,500	5,750	5,750	5,800	5,900	5,900	5,900	5,900	6,000	6,000 E
R.o.Korea	8,024	8,763	8,833	9,003	11,057	12,578	14,846	15,339	18,510	19,323
Malaysia (E)	120	120	120	120	120	120	120	120	120	120 E
Pakistan (E)	490	550	803	895	905	905	910	910	910	800 E
Taiwan (R.o.C.)	3,416	3,314	3,400	3,692	3,732	5,487	5,780	5,571	5,634	5,292
Thailand (E)	10	10	10	10	10	10	10	10	10	10 E
<b>Asia</b>	<b>137,036</b>	<b>148,457</b>	<b>153,165</b>	<b>155,325</b>	<b>161,095</b>	<b>173,049</b>	<b>178,037</b>	<b>183,094</b>	<b>193,195</b>	<b>195,708</b>
Australia	5,062	5,324	5,599	5,853	5,581	5,723	6,084	6,127	5,633	6,384
<b>World</b>	<b>458,119</b>	<b>490,718</b>	<b>499,590</b>	<b>496,309</b>	<b>508,978</b>	<b>538,377</b>	<b>544,777</b>	<b>531,596</b>	<b>508,571</b>	<b>501,924</b>
of which:										
Total Industrial Cts.	229,165	250,893	253,967	235,842	239,916	261,007	264,093	256,916	249,094	240,339
Total Developing Cts.	42,677	48,405	51,525	54,747	58,363	64,883	68,287	66,763	73,033	74,715
Total Western World	271,842	299,298	305,492	290,589	298,279	325,890	332,379	323,679	322,128	315,054
Total C.P.E.s/E.i.T.s	186,277	191,420	194,098	205,720	210,699	212,487	212,397	207,917	186,443	186,870

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Shaded figures are not included in totals.

Table 17A

## MONTHLY IRON PRODUCTION

Year: 1992

Pig Iron:	thousand metric tons												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Belgium	815	705	711	688	667	769	731	770	758	772	601	537	8,524
France	1,252	1,210	1,256	1,172	1,186	1,189	1,083	848	1,016	1,033	916	889	13,051
F.R. Germany	2,646	2,551	2,699	2,460	2,655	2,407	2,361	2,392	2,464	2,289	1,987	1,637	28,547
Italy	1,011	938	999	985	1,027	962	900	638	616	775	767	843	10,461
Luxembourg	224	211	230	187	191	136	142	129	202	222	204	178	2,255
Netherlands	410	424	407	414	400	366	404	396	418	436	390	393	4,858
Portugal	25	26	38	37	38	35	35	35	33	37	34	28	401
Spain	465	417	483	479	478	457	420	452	460	435	308	336	5,190
United Kingdom	992	1,000	1,049	1,032	1,057	949	928	861	882	943	927	731	11,351
<b>European Union</b>	<b>7,841</b>	<b>7,482</b>	<b>7,872</b>	<b>7,454</b>	<b>7,699</b>	<b>7,270</b>	<b>7,004</b>	<b>6,521</b>	<b>6,849</b>	<b>6,941</b>	<b>6,134</b>	<b>5,572</b>	<b>84,639</b>
Austria	264	232	265	252	302	297	296	268	228	216	223	224	3,067
Finland	208	200	213	204	208	194	180	215	213	214	209	195	2,452
Sweden	268	244	272	261	244	179	26	240	246	260	244	252	2,735
Turkey	378	330	376	383	402	380	362	373	362	393	360	391	4,489
F.R. Yugoslavia (1)	87	106	134	124	120	62	13	20	61	15	44	40	824
<b>Other Western Europe</b>	<b>1,205</b>	<b>1,112</b>	<b>1,259</b>	<b>1,224</b>	<b>1,276</b>	<b>1,111</b>	<b>876</b>	<b>1,116</b>	<b>1,110</b>	<b>1,097</b>	<b>1,079</b>	<b>1,103</b>	<b>13,568</b>
<b>Western Europe</b>	<b>9,046</b>	<b>8,594</b>	<b>9,131</b>	<b>8,678</b>	<b>8,975</b>	<b>8,381</b>	<b>7,880</b>	<b>7,637</b>	<b>7,959</b>	<b>8,038</b>	<b>7,213</b>	<b>6,674</b>	<b>98,206</b>
Canada	659	688	732	741	761	739	710	704	702	724	709	753	8,623
United States	3,983	3,788	4,104	3,992	4,032	3,839	3,944	3,900	3,687	3,928	3,871	3,906	46,974
Japan	6,190	5,785	6,249	5,817	6,222	6,029	6,195	6,132	5,963	6,190	6,057	6,314	73,144
Australia	552	499	557	533	510	517	572	537	543	532	533	500	6,384
South Africa	547	535	520	505	539	557	544	573	536	553	549	539	6,498
<b>Total Industrial Cts.</b>	<b>20,976</b>	<b>19,889</b>	<b>21,294</b>	<b>20,266</b>	<b>21,038</b>	<b>20,063</b>	<b>19,846</b>	<b>19,483</b>	<b>19,390</b>	<b>19,965</b>	<b>18,933</b>	<b>18,687</b>	<b>239,829</b>
Czech Republic	410	415	467	455	500	463	398	407	410	393	378	386	5,082
Hungary	74	105	101	104	125	78	82	80	109	108	98	113	1,178
Poland	495	459	558	532	571	608	557	536	518	507	513	494	6,348
Romania	247	226	272	305	300	260	254	258	267	226	240	282	3,135
Slovak Republic	269	288	311	247	301	198	214	214	186	215	257	252	2,952
<b>Eastern Europe</b>	<b>1,496</b>	<b>1,493</b>	<b>1,709</b>	<b>1,643</b>	<b>1,797</b>	<b>1,607</b>	<b>1,505</b>	<b>1,495</b>	<b>1,490</b>	<b>1,449</b>	<b>1,486</b>	<b>1,527</b>	<b>18,695</b>
Kazakhstan	335	402	429	416	406	405	419	414	407	335	351	338	4,657
Russia	3,484	3,754	4,339	4,421	4,296	3,849	3,679	3,702	3,377	3,536	3,716	3,671	45,824
Ukraine	2,501	2,635	2,824	3,048	3,229	3,194	3,232	2,987	2,793	2,955	2,630	2,631	34,659
<b>C.I.S.</b>	<b>6,320</b>	<b>6,791</b>	<b>7,592</b>	<b>7,885</b>	<b>7,931</b>	<b>7,448</b>	<b>7,330</b>	<b>7,103</b>	<b>6,577</b>	<b>6,826</b>	<b>6,697</b>	<b>6,640</b>	<b>85,140</b>
Georgia	12	8	0	27	32	19	28	23	19	14	15	10	207
<b>former U.S.S.R.</b>	<b>6,332</b>	<b>6,799</b>	<b>7,592</b>	<b>7,912</b>	<b>7,963</b>	<b>7,467</b>	<b>7,358</b>	<b>7,126</b>	<b>6,596</b>	<b>6,840</b>	<b>6,712</b>	<b>6,650</b>	<b>85,347</b>

Table 17A  
(continued)

MONTHLY IRON PRODUCTION

thousand metric tons

Year: 1992

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Argentina		55	87	93	114	133	93	79	69	80	78	86	966
Brazil	1,889	1,705	1,955	1,922	2,027	1,949	2,001	2,028	1,876	1,932	1,905	1,964	23,152
Chile	74	70	73	63	70	71	75	77	76	76	74	75	873
Colombia	27	20	27	27	28	26	16	29	18	28	26	24	297
Mexico	304	290	314	290	217	282	293	289	264	268	304	291	3,404
Paraguay	5	5	6	6	8	5	1	10	12	12	10	7	89
Peru	22	22		9	18		1	16	21	17	13	20	158
<b>Total Latin America</b>	<b>2,320</b>	<b>2,167</b>	<b>2,462</b>	<b>2,410</b>	<b>2,482</b>	<b>2,465</b>	<b>2,479</b>	<b>2,528</b>	<b>2,336</b>	<b>2,413</b>	<b>2,410</b>	<b>2,467</b>	<b>28,939</b>
Tunisia	12	9	13	12	10	13	14	13	9	14	13	15	147
Zimbabwe	54	52	48	35	36	47	43	50	39	42	23	38	507
Iran	174	171	159	183	183	183	179	184	148	165	163	161	2,053
India	1,302	1,238	1,317	1,193	1,214	1,181	1,287	1,237	1,222	1,344	1,255	1,322	15,112
R.o.Korea	1,590	1,485	1,582	1,496	1,589	1,528	1,565	1,599	1,564	1,838	1,763	1,725	19,323
Taiwan (R.o.C.)	501	492	499	421	499	448	490	476	399	343	308	360	5,237
<b>Total Developing Cts.</b>	<b>5,953</b>	<b>5,615</b>	<b>6,080</b>	<b>5,750</b>	<b>6,013</b>	<b>5,866</b>	<b>6,058</b>	<b>6,087</b>	<b>5,716</b>	<b>6,159</b>	<b>5,934</b>	<b>6,087</b>	<b>71,318</b>
P.R. China	5,832	5,879	6,232	5,622	6,121	6,312	6,394	6,365	6,413	6,798	6,532	6,937	75,438
<b>Total 42 countries</b>	<b>40,589</b>	<b>39,675</b>	<b>42,908</b>	<b>41,193</b>	<b>42,932</b>	<b>41,315</b>	<b>41,160</b>	<b>40,555</b>	<b>39,606</b>	<b>41,211</b>	<b>39,597</b>	<b>39,887</b>	<b>490,627</b>
<b>Direct Reduced Iron:</b>													
Canada	45	49	63	62	51	56		58	60	60	65	70	639
New Zealand	50 E	45 E	55 E	50 E	42	47	66	41	44	57	42	59	598
Argentina	97	84	98	95	32	87	78	87	80	95	97	98	1,027
Brazil	21	19	21	20	21	16	21	21	20	21	21	8	230
Mexico	189	164	219	194	160	198	184	201	186	241	206	252	2,394
Peru		2	1		0								3
Trinidad and Tobago	50	52	51	52	50	63	58	26	65	69	66	73	675
Venezuela	329	365	371	337	348	309	336	326	284	287	290	320	3,902
Iran	55	58	56	55	37	58	62	64	41	78	82	63	709
Qatar	52	52	47	51	54	51	46	51	53	53	53	54	617
Saudi Arabia	103	120	159	88	129	128	139	136	133	142	163	171	1,611
Libya	112	58	94	67	71	2	68	80	45	54	98	99	847
<b>Total D.R.I.</b>	<b>1,102</b>	<b>1,066</b>	<b>1,234</b>	<b>1,072</b>	<b>996</b>	<b>1,017</b>	<b>1,058</b>	<b>1,092</b>	<b>1,010</b>	<b>1,156</b>	<b>1,183</b>	<b>1,267</b>	<b>13,253</b>

E - estimated

(1) - Serbia and Montenegro.

Year: 1993

## MONTHLY IRON PRODUCTION

Table 17A  
(continued)

Pig Iron:	thousand metric tons												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Belgium	666	716	784	773	647	670	586	616	723	727	651	686	8,245
France	1,024	999	1,114	1,168	1,168	1,129	1,133	822	987	1,060	950	1,071	12,626
F.R. Germany	1,985	2,101	2,273	2,248	2,220	2,399	2,301	2,366	2,374	2,342	2,298	2,061	26,967
Italy	873	816	973	1,002	1,049	974	988	710	886	987	924	884	11,066
Luxembourg	201	196	223	218	218	214	182	135	210	225	184	205	2,412
Netherlands	434	404	457	439	475	455	473	462	443	453	452	464	5,411
Portugal	33	29	30	34	35	34	34	36	31	34	32	35	397
Spain	432	442	481	471	465	450	434	417	433	472	459	443	5,399
United Kingdom	947	908	1,000	1,026	1,004	1,025	942	858	984	1,028	988	855	11,563
<b>European Union</b>	<b>6,594</b>	<b>6,610</b>	<b>7,335</b>	<b>7,380</b>	<b>7,281</b>	<b>7,350</b>	<b>7,074</b>	<b>6,422</b>	<b>7,070</b>	<b>7,329</b>	<b>6,939</b>	<b>6,704</b>	<b>84,086</b>
Austria	224	233	267	232	251	248	262	249	256	287	276	290	3,075
Finland	222	199	218	215	223	212	177	224	211	208	221	204	2,535
Sweden	256	211	279	258	268	283	20	196	249	270	267	288	2,845
Turkey	377	351	386	344	369	362	380	371	376	376	333	328	4,353
F.R. Yugoslavia (1)	29	0	33	0	0	0	0	0	0	0	0	0	62
<b>Other Western Europe</b>	<b>1,108</b>	<b>994</b>	<b>1,183</b>	<b>1,048</b>	<b>1,112</b>	<b>1,105</b>	<b>840</b>	<b>1,041</b>	<b>1,092</b>	<b>1,141</b>	<b>1,096</b>	<b>1,110</b>	<b>12,870</b>
<b>Western Europe</b>	<b>7,702</b>	<b>7,604</b>	<b>8,517</b>	<b>8,428</b>	<b>8,393</b>	<b>8,455</b>	<b>7,913</b>	<b>7,462</b>	<b>8,162</b>	<b>8,470</b>	<b>8,035</b>	<b>7,813</b>	<b>96,956</b>
Canada	710	665	752	759	759	711	755	772	705	636	707	680 E	8,611
United States	4,085	3,785	4,041	3,926	4,132	3,947	4,103	4,086	3,961	4,221	3,826	3,760 E	47,873
Japan	6,293	5,581	6,292	6,056	6,430	6,389	6,331	6,296	6,095	6,177	5,761	6,039	73,739
Australia	531	466	527	550	587	568	572	588	574	613	600	591	6,769
South Africa	549	512	522	478	438	414	457	484	555	550	564	550 E	6,074
<b>Total Industrial Cts.</b>	<b>19,869</b>	<b>18,613</b>	<b>20,652</b>	<b>20,197</b>	<b>20,739</b>	<b>20,485</b>	<b>20,132</b>	<b>19,688</b>	<b>20,053</b>	<b>20,667</b>	<b>19,493</b>	<b>19,433</b>	<b>240,022</b>
Czech Republic	399	388	435	352	408	346	390	383	341	407	390 E	400 E	4,640
Hungary	116	110	127	81	85	125	133	116	125	133	131	150 E	1,431
Poland	504	513	522	547	511	446	541	478	457	522	551	530 E	6,122
Romania	228	274	247	258	291	252	252	248	247	280	285	270 E	3,130
Slovak Republic	289	269	247	278	219	226	275	303	305	291	280 E	270 E	3,252
<b>Eastern Europe</b>	<b>1,536</b>	<b>1,554</b>	<b>1,578</b>	<b>1,516</b>	<b>1,515</b>	<b>1,394</b>	<b>1,590</b>	<b>1,528</b>	<b>1,474</b>	<b>1,633</b>	<b>1,637</b>	<b>1,620</b>	<b>18,575</b>
Kazakhstan	308	282	289	314	304	295	340	327	283	286	261	255	3,544
Russia	3,571	3,322	3,668	3,411	3,783	3,698	3,662	3,356	3,188	3,049	2,925	2,966	40,599
Ukraine	2,454	2,355	2,618	2,592	2,758	1,968	2,306	2,456	1,915	2,085	1,789	1,703	26,999
<b>C.I.S.</b>	<b>6,333</b>	<b>5,959</b>	<b>6,575</b>	<b>6,317</b>	<b>6,845</b>	<b>5,961</b>	<b>6,308</b>	<b>6,139</b>	<b>5,386</b>	<b>5,420</b>	<b>4,975</b>	<b>4,924</b>	<b>71,142</b>
Georgia	3	0	0	0	0	0	5	23	19	14	14	10	88
<b>former U.S.S.R.</b>	<b>6,336</b>	<b>5,959</b>	<b>6,575</b>	<b>6,317</b>	<b>6,845</b>	<b>5,961</b>	<b>6,313</b>	<b>6,162</b>	<b>5,405</b>	<b>5,434</b>	<b>4,989</b>	<b>4,934</b>	<b>71,230</b>

Table 17A  
(continued)

## MONTHLY IRON PRODUCTION

Year: 1993

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Argentina	76	81	89	84	90	81	90	88	81	85	76	85 E	1,004
Brazil	1,869	1,754	1,865	1,927	1,998	1,981	2,039	2,114	2,085	2,131	2,073	2,052	23,887
Chile	76	69	78	75	76	75	81	82	81	83	72	70 E	916
Colombia	25	19	7	11	0	5	28	30	28	29	29	30 E	239
Mexico	290	258	301	288	301	269	296	243	284	290	295 E	280 E	3,394
Paraguay	1	4	7	7	6	7	8	8	8	9	9 E	10 E	84
Peru	17	11	20	3	22	19	16	20	20	19	19	20 E	206
<b>Total Latin America</b>	<b>2,354</b>	<b>2,194</b>	<b>2,366</b>	<b>2,394</b>	<b>2,492</b>	<b>2,435</b>	<b>2,557</b>	<b>2,583</b>	<b>2,587</b>	<b>2,646</b>	<b>2,573</b>	<b>2,547</b>	<b>29,730</b>
Tunisia	14	12	14	14	13	13	13	12	13	13	13	12	156
Zimbabwe	21	24	25	25	16	12	13	11	13	16	17	18	211
Iran	166	177	162	170	170	175	171	167	174	151	117	160	1,961
India	1,361	1,281	1,362	1,304	1,226	1,177	1,326	1,285	1,286	1,319	1,329	1,418	15,674
R.o.Korea	1,772	1,621	1,829	1,804	1,864	1,802	1,867	1,857	1,806	1,877	1,813	1,864	21,776
Taiwan (R.o.C.)	501	457	523	495	532	515	518	537	522	510	500	580 E	6,190
<b>Total Developing Cts.</b>	<b>6,190</b>	<b>5,767</b>	<b>6,282</b>	<b>6,206</b>	<b>6,313</b>	<b>6,129</b>	<b>6,466</b>	<b>6,451</b>	<b>6,401</b>	<b>6,532</b>	<b>6,363</b>	<b>6,599</b>	<b>75,699</b>
P.R. China	6,519	6,049	7,114	6,924	7,285	7,252	7,079	7,655	7,458	7,734	7,558	7,705	86,332
<b>Total 42 countries</b>	<b>40,450</b>	<b>37,942</b>	<b>42,201</b>	<b>41,160</b>	<b>42,697</b>	<b>41,221</b>	<b>41,580</b>	<b>41,484</b>	<b>40,792</b>	<b>42,001</b>	<b>40,040</b>	<b>40,291</b>	<b>491,857</b>
<b>Direct Reduced Iron:</b>													
Canada	66	60	67	64	67	64	63	64	62	44	63	73	758
New Zealand	49	54	42	61	51	51	70	52	59	46	46	61	642
Argentina	94	80	100	94	94	67	79	114	107	113	108	110 E	1,158
Brazil	21	20	22	19	21	22	21	21	18	22	22	23	250
Mexico	215	203	249	246	247	223	194	161	232	213	214 E	220 E	2,617
Peru	0	0	0	0	0	0	0	0	0	0	0	0 E	0
Trinidad and Tobago	73	68	73	71	63	54	54	54	43	59	67	70 E	748
Venezuela	391	329	269	292	304	281	342	344	318	353	253	280 E	3,754
Iran	65	86	86	111	103	132	160	162	181	106	233	205	1,631
Qatar	47	46	44	0	43	53	57	58	55	59	52	57	573
Saudi Arabia	169	146	172	163	168	165	177	176	173	128	175	203	2,015
Libya	112	81	75	73	90	94	98	1	82	100	53	85	944
<b>Total D.R.I.</b>	<b>1,303</b>	<b>1,171</b>	<b>1,200</b>	<b>1,193</b>	<b>1,251</b>	<b>1,206</b>	<b>1,315</b>	<b>1,207</b>	<b>1,328</b>	<b>1,242</b>	<b>1,286</b>	<b>1,387</b>	<b>15,089</b>

E - estimated  
(1) - Serbia and Montenegro.

Table 18

## PIG IRON EXPORTS

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium-Luxembourg	2	3	4	6	11	15	20	13	6	13
France	136	192	233	12	54	55	40	10	8	20
F.R. Germany (1)	544	581	722	545	541	389	404	617	391	299
Italy	29	18	31	73	28	48	47	38	46	37
Netherlands	13	9	19	19	11	4	3	2	3	2
Spain	6	19	46	31	1	61	63	9	0	0
United Kingdom	46	34	44	20	31	23	21	21	16	16
<b>European Union</b>	<b>776</b>	<b>856</b>	<b>1,099</b>	<b>706</b>	<b>677</b>	<b>595</b>	<b>597</b>	<b>710</b>	<b>470</b>	<b>387</b>
Austria	5	7	9	8	7	19	20	29	13	30
Croatia										75
Norway	44	28	32	23	14	31	52	50	59	67
Sweden	26	3	7	9	3	12	14	5	10	32
Turkey	16	60	55	55	55	89	100	179	193	88
Yugoslavia	6	5	20	15	43	8	24	36	0	0 E
<b>Other Western Europe</b>	<b>97</b>	<b>103</b>	<b>123</b>	<b>110</b>	<b>122</b>	<b>159</b>	<b>210</b>	<b>299</b>	<b>275</b>	<b>292</b>
<b>Western Europe</b>	<b>873</b>	<b>959</b>	<b>1,222</b>	<b>816</b>	<b>799</b>	<b>754</b>	<b>807</b>	<b>1,009</b>	<b>745</b>	<b>678</b>
Bulgaria	38	262	80	52	69	8	0	7	4	6
Czechoslovakia	0	0	0	0	115	240	0	1	29	54
German Dem. Rep.	9	11	6	6	7	5	5	5		
Hungary	5	21	0	0	0	0	53	15	3	4
Poland								800	197	100 E
<b>Eastern Europe</b>	<b>52</b>	<b>294</b>	<b>86</b>	<b>58</b>	<b>191</b>	<b>253</b>	<b>58</b>	<b>828</b>	<b>233</b>	<b>164</b>
<b>Europe</b>	<b>925</b>	<b>1,253</b>	<b>1,308</b>	<b>874</b>	<b>990</b>	<b>1,007</b>	<b>865</b>	<b>1,837</b>	<b>978</b>	<b>842</b>
										1,675
<b>former U.S.S.R.</b>	<b>4,750</b>	<b>4,750</b>	<b>4,465</b>	<b>5,512</b>	<b>5,963</b>	<b>6,141</b>	<b>6,517</b>	<b>6,000</b>	<b>3,000</b>	<b>2,500 E</b>
Canada	348	392	574	520	447	355	418	217	84	85
United States	6	51	29	43	45	65	11	14	16	33
<b>North America</b>	<b>354</b>	<b>443</b>	<b>603</b>	<b>562</b>	<b>492</b>	<b>420</b>	<b>429</b>	<b>231</b>	<b>100</b>	<b>118</b>
Brazil	1,801	2,473	2,476	2,370	2,045	2,537	2,989	3,489	2,497	2,454
South Africa	0	232	370	600	650	650	650	700	750	750 E
Zimbabwe	0	0	0	7	9	2	0	2	0	0
P.R. China	68	7	4	0	268	400	533	549	668	1,007
Indonesia	62	70	87	96	75	139	54	68	85	93
Japan	345	292	1,085	1,074	51	43	25	25	22	284
D.P.R. Korea (E)	31	68	69	70	66	65	65	65	65	65 E
R.o.Korea	10	1	0	1	2	1	0	1	0	2
Singapore	7	7	4	1	1	2	1	7	6	5
Taiwan (R.o.C.)	3	1	1	4	0	0	1	1	1	1
<b>Asia</b>	<b>526</b>	<b>446</b>	<b>1,250</b>	<b>1,246</b>	<b>463</b>	<b>650</b>	<b>679</b>	<b>716</b>	<b>847</b>	<b>1,457</b>
Australia	350	100	100	70	420	149	141	277	52	37
<b>World</b>	<b>8,706</b>	<b>9,697</b>	<b>10,572</b>	<b>11,241</b>	<b>11,033</b>	<b>11,556</b>	<b>12,270</b>	<b>13,253</b>	<b>8,224</b>	<b>8,158</b>
of which:										
Total Industrial Cts.	1,922	2,026	3,379	3,122	2,413	2,016	2,052	2,242	1,669	1,867
Total Developing Cts.	1,883	2,552	2,568	2,479	2,132	2,681	3,045	3,568	2,589	2,555
Total Western World	3,805	4,578	5,948	5,601	4,545	4,697	5,097	5,810	4,258	4,422
Total C.P.E.s/E.i.T.s	4,901	5,119	4,624	5,640	6,488	6,859	7,173	7,442	3,966	3,736

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Shaded figures are not included in totals.

Table 19

**PIG IRON IMPORTS**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium-Luxembourg	48	94	113	122	132	254	325	107	90	112
Denmark	32	43	62	80	82	80	119	107	108	68
France	365	412	480	372	386	279	266	313	356	327
F.R. Germany (1)	235	275	275	335	327	238	278	1,187	329	286
Greece	17	7	9	20	10	10	77	91	66	40
Ireland	0	1	2	2	1	4	2	1	0	2
Italy	324	417	341	450	592	749	897	1,026	831	941
Netherlands	38	54	50	57	56	72	76	71	58	56
Portugal	55	48	41	34	19	23	25	17	14	20
Spain	100	138	178	140	115	138	180	207	214	140
United Kingdom	91	87	101	118	105	197	64	136	61	97
<b>European Union</b>	<b>1,305</b>	<b>1,576</b>	<b>1,652</b>	<b>1,730</b>	<b>1,825</b>	<b>2,043</b>	<b>2,310</b>	<b>3,262</b>	<b>2,126</b>	<b>2,089</b>
Austria	38	51	55	44	42	43	67	121	35	80
Croatia										16
Finland	15	12	20	19	17	14	19	52	8	7
Norway	10	8	9	7	7	2	5	6	5	4
Slovenia										13
Sweden	38	39	47	57	51	76	47	43	29	16
Switzerland	80	80	70	60	60	60	60	60	31	36
Turkey	68	43	50	125	125	144	150	148	241	450
Yugoslavia	65	66	55	65	27	39	111	93	0	0 E
<b>Other Western Europe</b>	<b>314</b>	<b>299</b>	<b>306</b>	<b>377</b>	<b>329</b>	<b>378</b>	<b>458</b>	<b>523</b>	<b>350</b>	<b>622</b>
<b>Western Europe</b>	<b>1,619</b>	<b>1,875</b>	<b>1,958</b>	<b>2,107</b>	<b>2,155</b>	<b>2,422</b>	<b>2,768</b>	<b>3,785</b>	<b>2,476</b>	<b>2,710</b>
Bulgaria	408	665	412	425	469	369	31	309	35	9
Czechoslovakia	780	745	869	809	728	685	672	668	101	113
German Dem. Rep.	890	904	1,103	1,158	1,369	1,350	1,300	1,300 E		
Hungary	295	281	274	255	263	352	401	154	98	35
Poland	1,133	1,188	1,330	1,391	1,338	1,282	1,203	1,361	103	0
Romania	210	165	117	100	100	100	98	95	5	3
<b>Eastern Europe</b>	<b>3,716</b>	<b>3,948</b>	<b>4,105</b>	<b>4,138</b>	<b>4,267</b>	<b>4,138</b>	<b>3,705</b>	<b>3,887</b>	<b>342</b>	<b>160</b>
<b>Europe</b>	<b>5,335</b>	<b>5,823</b>	<b>6,063</b>	<b>6,245</b>	<b>6,422</b>	<b>6,560</b>	<b>6,473</b>	<b>7,672</b>	<b>2,818</b>	<b>2,870</b>
Estonia										1
Latvia									89	30
<b>former U.S.S.R.</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>106</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0 E</b>
Canada	5	5	10	12	10	9	15	4	23	27
United States	220	637	307	268	322	635	443	347	434	497
<b>North America</b>	<b>225</b>	<b>642</b>	<b>317</b>	<b>280</b>	<b>332</b>	<b>644</b>	<b>458</b>	<b>351</b>	<b>457</b>	<b>524</b>
Argentina	205	177	32	0	0	91	2	0	107	100 E
Mexico	0	0	0	0	0	0	167	45	8	10 E

**Table 19**  
(continued)

**PIG IRON IMPORTS**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
P.R. China	749	1,119	2,641	2,944	1,473	870	686	1,307	385	385
Hong Kong (E)	12	6	4	4	7	8	4	2	2	2 E
India	204	0	0	47	30	192	356	189	152	80
Indonesia	88	96	81	101	18	125	177	170	293	444
Japan	1,001	823	748	968	1,433	2,917	2,288	3,283	3,375	1,477
R.o.Korea	105	166	99	386	673	801	1,063	984	787	1,069
Philippines (E)	1	0	0	22	71	20	20	20	49	16
Singapore	57	9	47	60	14	120	178	76	136	98
Taiwan (R.o.C.)	224	218	178	302	628	738	583	607	925	914
Thailand	13	15	16	15	15	15	15	15	82	158
<b>Asia</b>	<b>2,454</b>	<b>2,452</b>	<b>3,814</b>	<b>4,849</b>	<b>4,362</b>	<b>5,806</b>	<b>5,370</b>	<b>6,653</b>	<b>6,186</b>	<b>4,643</b>
Australia	0	0	0	0	0	12	27	5	4	0
<b>World</b>	<b>8,249</b>	<b>9,124</b>	<b>10,256</b>	<b>11,403</b>	<b>11,145</b>	<b>13,219</b>	<b>12,497</b>	<b>14,726</b>	<b>9,580</b>	<b>8,147</b>
of which:										
Total Industrial Cts.	2,845	3,340	3,023	3,355	3,919	5,995	5,541	7,424	6,312	4,711
Total Developing Cts.	909	687	457	937	1,456	2,110	2,565	2,108	2,541	2,891
Total Western World	3,754	4,027	3,480	4,292	5,375	8,105	8,106	9,532	8,853	7,602
Total C.P.E.s/E.i.T.s	4,495	5,097	6,776	7,112	5,770	5,114	4,391	5,194	727	545

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.  
Shaded figures are not included in totals.



Table 20

## IRON ORE PRODUCTION

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
France	16,180	15,030	14,480	12,560	11,566	9,872	9,319	8,726	7,438	5,694
F.R. Germany (1)	979	979	1,034	717	247	70	102	84	118	109
Greece	1,300	1,452	1,712	1,500	1,500	1,500	1,500	1,500	1,500	1,500 E
Luxembourg	40	0	0	0	0	0	0	0	0	0
Portugal	36	36	73	50	30	25	20	20	20	10
Spain	7,940	7,961	6,463	6,054	4,492	4,262	4,610	3,012	3,120	2,750
United Kingdom	384	379	274	289	263	224	32	53	57	30
<b>European Union</b>	<b>26,859</b>	<b>25,837</b>	<b>24,036</b>	<b>21,170</b>	<b>18,098</b>	<b>15,953</b>	<b>15,583</b>	<b>13,395</b>	<b>12,253</b>	<b>10,093</b>
Austria	3,540	3,600	3,300	3,120	3,050	2,300	2,410	2,300	2,120	1,627
Finland	1,046	1,040	914	643	648	557	0	0	0	0
Norway	3,540	3,840	3,470	3,660	3,140	2,644	2,358	2,081	2,210	2,152
Sweden	13,534	18,122	20,265	20,473	19,707	20,447	21,763	19,877	19,328	19,277
Turkey	3,501	3,958	4,573	4,705	5,213	5,443	4,091	6,155	6,000	5,579
Yugoslavia	5,018	5,315	5,478	6,618	5,983	5,543	4,438	4,132	2,170	1,500
<b>Other Western Europe</b>	<b>30,179</b>	<b>35,875</b>	<b>38,000</b>	<b>39,219</b>	<b>37,741</b>	<b>36,934</b>	<b>35,060</b>	<b>34,545</b>	<b>31,828</b>	<b>30,135</b>
<b>Western Europe</b>	<b>57,038</b>	<b>61,712</b>	<b>62,036</b>	<b>60,389</b>	<b>55,839</b>	<b>52,887</b>	<b>50,643</b>	<b>47,940</b>	<b>44,081</b>	<b>40,228</b>
Bulgaria	1,803	2,063	1,985	2,179	1,857	1,826	1,613	1,079	594	393
Czechoslovakia	1,903	1,869	1,824	1,784	1,798	1,773	1,780	1,840	1,740	730
German Dem. Rep.	40	36	0	0	0	0	0	0	0	0
Hungary	215	193	184	0	0	0	0	0	0	0
Poland	10	11	12	9	6	6	7	2	0	0
Romania	1,987	1,916	2,287	2,431	2,281	2,000	2,000	2,002	1,461	180
<b>Eastern Europe</b>	<b>5,958</b>	<b>6,088</b>	<b>6,292</b>	<b>6,403</b>	<b>5,942</b>	<b>5,605</b>	<b>5,400</b>	<b>4,923</b>	<b>3,795</b>	<b>1,303</b>
<b>Europe</b>	<b>62,996</b>	<b>67,800</b>	<b>68,328</b>	<b>66,792</b>	<b>61,781</b>	<b>58,492</b>	<b>56,043</b>	<b>52,863</b>	<b>47,876</b>	<b>41,531</b>
<b>former U.S.S.R.</b>	<b>245,189</b>	<b>247,104</b>	<b>247,700</b>	<b>249,976</b>	<b>250,900</b>	<b>249,737</b>	<b>241,348</b>	<b>236,200</b>	<b>199,300</b>	<b>175,200</b>
Canada	33,326	39,930	39,798	36,679	36,520	40,409	39,445	35,670	35,961	33,058
United States	38,574	52,097	49,277	39,613	46,992	56,444	57,872	55,468	55,516	54,913
<b>North America</b>	<b>71,900</b>	<b>92,027</b>	<b>89,075</b>	<b>76,292</b>	<b>83,512</b>	<b>96,853</b>	<b>97,317</b>	<b>91,138</b>	<b>91,477</b>	<b>87,971</b>
Argentina	590	572	578	788	844	1,162	680	80	0	0
Bolivia	0	0	0	0	0	15	14	125	150	150 E
Brazil	88,695	111,311	128,200	129,500	134,700	145,040	153,740	152,302	150,657	145,820
Chile	5,170	5,590	5,840	6,326	6,131	7,295	8,112	7,811	8,960	8,270
Colombia	456	441	455	523	615	615	600	628	610	630
Mexico	7,888	10,544	8,103	7,581	7,374	7,985	8,120	9,209	7,800	7,760
Peru	4,225	4,031	4,992	5,195	5,567	4,158	3,935	3,307	3,593	2,803
Venezuela	9,449	13,055	14,764	16,207	17,196	18,473	18,052	20,119	19,959	18,054
<b>Latin America</b>	<b>116,473</b>	<b>145,544</b>	<b>162,932</b>	<b>166,120</b>	<b>172,427</b>	<b>184,743</b>	<b>193,253</b>	<b>193,581</b>	<b>191,729</b>	<b>183,487</b>
Algeria	3,684	3,664	3,376	3,359	3,382	3,118	2,748	2,930	3,000	2,560
Angola										
Egypt	2,007	1,955	2,066	2,013	1,112	2,274	2,493	2,386	2,371	2,080
Liberia	15,410	16,100	16,120	15,600	13,806	12,808	12,300	3,981	1,200	1,710
Mauritania	6,600	9,000	9,203	9,262	9,120	9,782	12,114	11,416	10,190	8,230
Morocco	252	250	140	200	204	117	126	50	50	70
Sierra Leone	360	420	70	0	0	0	0	0	0	0
South Africa	16,605	24,647	24,414	24,483	22,008	25,248	29,958	30,291	28,958	28,226
Tunisia	313	309	307	310	295	300	280	291	295	292
Zimbabwe	1,168	1,226	1,419	1,502	1,437	1,339	1,118	1,256	1,136	1,110 E
<b>Africa</b>	<b>46,399</b>	<b>57,571</b>	<b>57,115</b>	<b>56,729</b>	<b>51,364</b>	<b>54,986</b>	<b>61,137</b>	<b>52,601</b>	<b>47,200</b>	<b>44,278</b>

**Table 20**  
(continued)

**IRON ORE PRODUCTION**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Iran	0	0	1,000	2,000	3,000	4,300	5,630	5,500	6,180	6,500
P.R. China	113,660	126,710	137,835	149,450	161,430	167,700	171,854	179,344	190,558	209,760
India	38,089	42,310	44,090	51,169	51,335	49,961	51,434	53,702	56,915	54,870
Indonesia	120	100	130	160	190	200	200	200	170	240
Japan	298	331	360	293	415	277	251	208	227	40
D.P.R. Korea (E)	8,000	8,000	8,000	8,000	8,000	8,000	9,000	9,500	9,500	9,500 E
R.o.Korea	553	502	561	525	470	390	344	298	221	221
Malaysia	100	160	182	208	161	209	193	350	380	320
Philippines	0	0	0	0	0	0	0	0	0	0
Thailand	70	70	94	37	97	99	160	130	230	460
<b>Asia</b>	<b>160,890</b>	<b>178,183</b>	<b>191,252</b>	<b>209,842</b>	<b>222,098</b>	<b>226,836</b>	<b>233,436</b>	<b>243,732</b>	<b>258,201</b>	<b>275,411</b>
Australia	71,485	89,046	97,447	94,015	101,748	96,084	105,810	115,227	123,453	117,170
New Zealand	2,200	2,290	2,520	2,910	2,580	2,352	2,400	2,298	2,260	2,400
<b>Oceania</b>	<b>73,685</b>	<b>91,336</b>	<b>99,967</b>	<b>96,925</b>	<b>104,328</b>	<b>98,436</b>	<b>108,210</b>	<b>117,525</b>	<b>125,713</b>	<b>119,570</b>
<b>World</b>	<b>777,532</b>	<b>879,565</b>	<b>917,369</b>	<b>924,676</b>	<b>949,410</b>	<b>974,383</b>	<b>996,374</b>	<b>993,140</b>	<b>967,676</b>	<b>933,948</b>
of which:										
Total Industrial Cts.	219,526	270,053	275,852	258,382	266,102	273,701	286,379	287,102	290,456	276,035
Total Developing Cts.	185,199	221,610	241,690	252,465	257,036	269,640	282,393	276,071	274,067	262,150
Total Western World	404,725	491,663	517,542	510,847	523,138	543,341	568,772	563,173	564,523	538,185
Total C.P.E.s/E.i.T.s	372,807	387,902	399,827	413,829	426,272	431,042	427,602	429,967	403,153	395,763

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Table 21

**IRON ORE EXPORTS**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium-Luxembourg	1	0	15	1	3	7	11	16	13	38
Denmark	12	7	7	5	3	4	2	4	0	1
France	5,031	4,752	4,628	4,169	3,740	3,725	3,462	3,347	3,153	2,875
F.R. Germany (1)	8	3	3	5	6	20	7	4	81	77
Netherlands	14	22	55	49	105	223	127	82	65	28
Spain	1,579	1,973	2,128	1,791	1,991	2,282	1,632	1,633	2,157	1,879
United Kingdom	1	0	6	1	1	2	2	2	2	0
<b>European Union</b>	<b>6,646</b>	<b>6,757</b>	<b>6,842</b>	<b>6,021</b>	<b>5,849</b>	<b>6,263</b>	<b>5,244</b>	<b>5,089</b>	<b>5,471</b>	<b>4,898</b>
Norway	2,946	3,083	2,579	2,532	2,531	1,744	1,987	2,113	2,099	2,281
Sweden	14,279	17,615	18,241	17,137	16,762	17,553	17,464	16,430	15,482	15,477
Yugoslavia	0	0	0	0	0	0	8	533	154	0 E
<b>Other Western Europe</b>	<b>17,225</b>	<b>20,698</b>	<b>20,820</b>	<b>19,669</b>	<b>19,293</b>	<b>19,297</b>	<b>19,459</b>	<b>19,076</b>	<b>17,735</b>	<b>17,758</b>
<b>Western Europe</b>	<b>23,871</b>	<b>27,455</b>	<b>27,662</b>	<b>25,690</b>	<b>25,142</b>	<b>25,560</b>	<b>24,703</b>	<b>24,165</b>	<b>23,206</b>	<b>22,656</b>
Bulgaria	0	0	0	0	0	0	0	0	0	12
Czechoslovakia	0	0	0	0	0	0	0	0	0	81
Poland	0	0	0	0	0	0	0	0	321	0
<b>Eastern Europe</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>321</b>	<b>93</b>
<b>Europe</b>	<b>23,871</b>	<b>27,455</b>	<b>27,662</b>	<b>25,690</b>	<b>25,142</b>	<b>25,560</b>	<b>24,703</b>	<b>24,165</b>	<b>23,527</b>	<b>22,749</b>
Russia								12,301	8,836	8,210
<b>former U.S.S.R.</b>	<b>42,805</b>	<b>45,922</b>	<b>43,880</b>	<b>46,168</b>	<b>45,433</b>	<b>43,063</b>	<b>40,788</b>	<b>38,570</b>	<b>27,388</b>	<b>25,400</b>
Canada	25,528	30,737	32,266	31,008	29,679	30,523	30,222	27,041	29,688	25,132
United States	3,841	5,073	5,114	4,553	5,093	5,285	5,895	3,506	4,045	5,055
<b>North America</b>	<b>29,369</b>	<b>35,810</b>	<b>37,380</b>	<b>35,561</b>	<b>34,772</b>	<b>35,808</b>	<b>36,117</b>	<b>30,547</b>	<b>33,733</b>	<b>30,187</b>
Brazil	69,961	88,571	92,279	92,288	97,289	105,303	113,745	114,297	114,681	106,035
Chile	4,719	5,232	4,816	4,846	5,329	6,397	7,741	6,545	7,405	5,954
Peru	4,182	4,091	5,242	4,212	4,430	4,668	4,014	3,306	2,582	2,975
Venezuela	6,245	8,456	9,032	10,027	11,698	12,288	14,435	14,804	13,385	10,229
<b>Latin America</b>	<b>85,107</b>	<b>106,350</b>	<b>111,369</b>	<b>111,373</b>	<b>118,746</b>	<b>128,656</b>	<b>139,935</b>	<b>138,952</b>	<b>138,053</b>	<b>125,193</b>
Algeria	1,302	1,051	7	48	13	22	20	18	20	0 E
Angola	100	0	0	0	0	0	0	0	0	0
Liberia	15,704	16,870	16,100	13,940	13,510	13,779	12,747	3,887	1,108	1,539
Mauritania	7,402	9,527	9,333	8,929	9,002	10,004	11,138	11,356	10,469	8,094
Morocco	0	0	0	0	0	80	82	59	0	0 E
Sierra Leone	355	400	80	0	50	20	20	0	0	0
South Africa	7,811	11,870	10,226	8,850	8,802	11,503	14,566	17,029	15,827	14,868
<b>Africa</b>	<b>32,674</b>	<b>39,718</b>	<b>35,746</b>	<b>31,767</b>	<b>31,377</b>	<b>35,408</b>	<b>38,573</b>	<b>32,349</b>	<b>27,424</b>	<b>24,501</b>
India	22,001	25,696	28,840	32,225	28,981	32,251	33,478	31,585	32,367	27,518
D.P.R. Korea (2)	112	200	500	500	500	500	519	599	790	724
Philippines (E)	3,061	3,990	3,918	3,597	4,202	4,764	4,507	4,849	4,864	3,892
<b>Asia</b>	<b>25,174</b>	<b>29,886</b>	<b>33,258</b>	<b>36,322</b>	<b>33,683</b>	<b>37,515</b>	<b>38,504</b>	<b>37,033</b>	<b>38,021</b>	<b>32,134</b>
Australia	76,900	88,700	88,000	82,600	80,600	98,300	108,100	100,316	112,660	106,600
New Zealand	2,462	2,438	2,347	2,321	1,961	1,542	1,452	1,275	1,293	1,548
<b>Oceania</b>	<b>79,362</b>	<b>91,138</b>	<b>90,347</b>	<b>84,921</b>	<b>82,561</b>	<b>99,842</b>	<b>109,552</b>	<b>101,591</b>	<b>113,953</b>	<b>108,148</b>
<b>World</b>	<b>318,362</b>	<b>376,279</b>	<b>379,642</b>	<b>371,802</b>	<b>371,714</b>	<b>405,852</b>	<b>428,172</b>	<b>403,207</b>	<b>402,099</b>	<b>368,312</b>
of which:										
Total Industrial Cts.	140,413	166,273	165,615	155,022	151,277	172,713	184,938	173,332	186,719	175,859
Total Developing Cts.	135,032	163,884	169,647	170,112	174,504	189,576	201,927	190,706	186,881	166,236
Total Western World	275,445	330,157	335,262	325,134	325,781	362,289	386,865	364,038	373,600	342,095
Total C.P.E.s/E.i.T.s	42,917	46,122	44,380	46,668	45,933	43,563	41,307	39,169	28,499	26,217

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

(2) - exports to P.R. China

Shaded figures are not included in totals.

Table 22

**IRON ORE IMPORTS**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium-Luxembourg	17,519	19,628	18,997	18,056	18,385	20,796	19,787	20,278	19,433	17,994
Denmark	63	1	2	3	8	3	6	3	0	0
France	12,553	16,088	16,220	16,191	15,056	18,727	19,955	18,807	18,207	17,367
F.R. Germany (1)	33,942	43,941	45,142	41,803	39,585	45,169	47,171	43,730	43,258	41,317
Greece	0	0	0	2	0	0	0	0	0	0
Ireland	0	0	0	0	1	2	3	0	0	0
Italy	13,798	19,239	18,293	17,601	16,523	16,196	18,201	17,202	17,584	15,064
Netherlands	4,979	7,235	8,509	7,361	7,029	7,559	8,151	8,302	7,893	7,532
Portugal	471	375	683	543	764	477	689	449	350	569
Spain	4,202	4,220	5,023	4,287	5,767	5,645	7,121	6,705	7,597	7,098
United Kingdom	13,169	14,160	15,405	14,558	18,028	17,867	19,179	17,622	18,523	15,800
<b>European Union</b>	<b>100,696</b>	<b>124,887</b>	<b>128,274</b>	<b>120,405</b>	<b>121,146</b>	<b>132,441</b>	<b>140,263</b>	<b>133,098</b>	<b>132,845</b>	<b>122,741</b>
Austria	2,391	3,890	3,684	3,204	3,311	4,164	4,188	3,908	3,968	3,915
Finland	1,300	1,857	1,756	1,987	2,261	2,336	3,016	3,046	3,072	3,304
Iceland	13	16	23	25	17	23	17	18	11	17
Norway	226	40	230	18	21	193	23	12	10	11
Sweden	19	39	68	67	70	129	255	268	351	355
Switzerland	8	10	6	11	9	12	0	0	200	91
Turkey	1,546	1,849	1,747	2,428	1,532	2,369	2,243	2,418	2,455	1,946
Yugoslavia	1,568	1,566	2,180	1,347	1,081	1,486	2,305	1,998	600	500
<b>Other Western Europe</b>	<b>7,071</b>	<b>9,267</b>	<b>9,694</b>	<b>9,087</b>	<b>8,302</b>	<b>10,712</b>	<b>12,047</b>	<b>11,668</b>	<b>10,667</b>	<b>10,139</b>
<b>Western Europe</b>	<b>107,767</b>	<b>134,154</b>	<b>137,968</b>	<b>129,492</b>	<b>129,448</b>	<b>143,153</b>	<b>152,310</b>	<b>144,766</b>	<b>143,512</b>	<b>132,880</b>
Bulgaria	2,313	2,286	2,215	2,248	2,308	2,112	1,920	1,964	710	416
Czechoslovakia	15,305	15,024	11,268	11,264	10,366	10,058	9,765	10,000	12,078	8,789
German Dem. Rep.	2,971	3,179	4,324	4,100	4,300	4,200	4,000	2,800		
Hungary	3,967	4,170	2,382	3,414	3,403	2,885	3,263	3,200	1,800	1,600
Poland	13,787	17,127	16,973	16,644	17,116	16,582	13,441	12,066	8,700	8,000
Romania	14,477	14,963	15,207	16,417	14,800	15,200	13,626	11,341	7,290	2,800
<b>Eastern Europe</b>	<b>52,820</b>	<b>56,749</b>	<b>52,369</b>	<b>54,087</b>	<b>52,293</b>	<b>51,037</b>	<b>46,015</b>	<b>41,371</b>	<b>30,578</b>	<b>21,605</b>
<b>Europe</b>	<b>160,587</b>	<b>190,903</b>	<b>190,337</b>	<b>183,579</b>	<b>181,741</b>	<b>194,190</b>	<b>198,325</b>	<b>186,137</b>	<b>174,090</b>	<b>154,485</b>
Canada	4,013	4,947	5,800	5,367	5,213	4,791	5,369	4,113	4,975	5,280
United States	13,459	17,463	16,024	17,011	16,849	20,183	19,475	18,081	13,335	12,504
<b>North America</b>	<b>17,472</b>	<b>22,410</b>	<b>21,824</b>	<b>22,378</b>	<b>22,062</b>	<b>24,974</b>	<b>24,844</b>	<b>22,194</b>	<b>18,310</b>	<b>17,784</b>
Argentina	1,691	2,199	2,459	3,182	3,342	3,131	3,816	3,245	2,900	2,600
Mexico	0	0	2	100	45	459	551	508	450	470
Trinidad & Tobago	410	340	334	341	779	981	893	988	800	700
<b>Latin America</b>	<b>2,101</b>	<b>2,539</b>	<b>2,795</b>	<b>3,623</b>	<b>4,166</b>	<b>4,571</b>	<b>5,260</b>	<b>4,741</b>	<b>4,150</b>	<b>3,770</b>
Egypt (E)	0	0	0	150	800	850	1,000	1,250	900	1,150 E
Libya (E)	0	0	0	0	0	400	450	650	1,400	1,000 E
Nigeria	227	353	393	0	63	143	290	200	200	160 E
Tunisia	25	12	59	25	51	59	83	97	94	76
<b>Africa</b>	<b>252</b>	<b>365</b>	<b>452</b>	<b>175</b>	<b>914</b>	<b>1,452</b>	<b>1,823</b>	<b>2,197</b>	<b>2,594</b>	<b>2,386</b>

**Table 22**  
**(continued)**

**IRON ORE IMPORTS**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Bahrain (E)		150	500	800	1,000	1,000	1,100	1,350	1,300	1,200 E
Iran (E)							450	400	2,180	1,700 E
Qatar	580	752	840	800	700	800	700	600	600	500
Saudi Arabia	288	965	1,044	1,385	1,478	1,245	1,652	1,700	1,800	2,300
United Arab Emirates	170	100	100	180	160	140	680	470	200	240 E
<b>Middle East</b>	<b>1,038</b>	<b>1,967</b>	<b>2,484</b>	<b>3,165</b>	<b>3,338</b>	<b>3,185</b>	<b>4,582</b>	<b>4,520</b>	<b>6,080</b>	<b>5,940</b>
P.R. China	4,385	5,970	10,114	12,005	12,098	10,756	12,414	14,191	19,035	25,172
Indonesia	128	198	1,700	2,100	1,508	1,394	1,988	2,074	1,800	2,000
Japan	109,152	125,371	124,511	115,234	112,036	123,376	127,709	125,290	127,186	113,742
R.o.Korea	11,497	11,962	12,620	12,394	15,987	18,710	21,635	22,707	28,446	28,709
Malaysia (E)	28	414	831	1,026	819	452	912	1,200	1,200	700
Pakistan (E)	914	922	1,243	1,469	1,105	1,528	1,393	1,478	1,696	1,336
Philippines (E)	3,200	4,200	4,100	3,800	4,400	5,000	4,750	5,100	5,100	4,100 E
Taiwan (R.o.C.)	4,957	5,199	4,896	5,358	6,140	8,536	8,370	7,762	8,433	7,251
<b>Asia</b>	<b>134,261</b>	<b>154,236</b>	<b>160,015</b>	<b>153,386</b>	<b>154,093</b>	<b>169,752</b>	<b>179,171</b>	<b>179,802</b>	<b>192,896</b>	<b>183,010</b>
Australia	52	52	24	59	42	469	1,405	1,099	794	656
<b>World</b>	<b>315,763</b>	<b>372,472</b>	<b>377,931</b>	<b>366,365</b>	<b>366,356</b>	<b>398,593</b>	<b>415,410</b>	<b>400,690</b>	<b>398,914</b>	<b>368,031</b>
of which:										
Total Industrial Cts.	234,443	281,987	284,327	267,163	263,588	291,972	306,268	293,349	289,802	265,062
Total Developing Cts.	24,115	27,766	31,121	33,110	38,377	44,828	50,713	51,779	59,499	56,192
Total Western World	258,558	309,753	315,448	300,273	301,965	336,800	356,981	345,128	349,301	321,254
Total C.P.E.s/E.i.T.s	57,205	62,719	62,483	66,092	64,391	61,793	58,429	55,562	49,613	46,777

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Shaded figures are not included in totals.

Table 23

**SCRAP CONSUMPTION**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	3,157	3,520	3,112	2,581	2,502	2,999	2,915	3,065	3,041	2,702
Denmark	584	651	595	704	626	652	631	608	610	571
France	8,614	8,660	8,509	8,550	8,639	9,272	9,413	9,120	9,410	9,321
F.R. Germany (1)	17,864	18,606	18,613	17,050	16,161	17,472	17,341	16,671	17,034	15,598
Greece	900	956	1,064	1,107	1,012	1,077	1,071	1,095	1,092	1,012
Ireland	158	189	230	233	246	303	362	364	327	287
Italy	15,153	16,405	16,480	15,699	15,721	15,268	16,536	16,446	16,731	16,987
Luxembourg	1,368	1,685	1,598	1,491	1,325	1,476	1,415	1,373	1,331	1,170
Netherlands	1,458	1,630	1,504	1,454	1,308	1,197	1,111	1,009	1,003	1,059
Portugal	553	565	550	375	393	468	461	477	394	459
Spain	9,793	9,898	10,693	8,737	8,326	8,722	9,203	9,232	9,085	9,088
United Kingdom	9,635	9,619	8,369	7,826	8,203	8,866	9,049	7,255	6,086	6,238
<b>European Union</b>	<b>69,237</b>	<b>72,384</b>	<b>71,317</b>	<b>65,807</b>	<b>64,462</b>	<b>67,772</b>	<b>69,508</b>	<b>66,715</b>	<b>66,144</b>	<b>64,492</b>
Austria	1,630	1,679	1,525	1,465	1,473	1,466	1,402	1,236	1,138	1,197
Croatia										125
Finland	708	754	760	759	739	807	850	629	526	757
Norway (E: 90/2)	523	579	542	460	632	661	496	400	460	470 E
Sweden	2,894	3,200	3,064	2,928	2,928	2,964	2,605	2,163	1,995	2,309
Turkey	1,575	1,500	1,771	2,500	3,400	4,200	4,500	5,000	5,500	6,500 E
Yugoslavia	2,208	2,250	2,219	2,289	2,221	2,127	2,200	1,800	1,100	900 E
<b>Other Western Europe</b>	<b>9,538</b>	<b>9,962</b>	<b>9,881</b>	<b>10,401</b>	<b>11,393</b>	<b>12,225</b>	<b>12,053</b>	<b>11,228</b>	<b>10,719</b>	<b>12,258</b>
<b>Western Europe</b>	<b>78,775</b>	<b>82,346</b>	<b>81,198</b>	<b>76,208</b>	<b>75,855</b>	<b>79,997</b>	<b>81,561</b>	<b>77,943</b>	<b>76,863</b>	<b>76,750</b>
Bulgaria	0	0	0	0	0	0	1,900	1,730	1,130	853
Czechoslovakia	7,861	7,579	7,685	7,640	8,214	8,127	7,683	7,812	4,793	1,900 E
German Dem. Rep.	5,155	5,243	5,672	5,599	5,739	5,069	5,101	5,000		
Hungary	2,218	2,454	2,498	2,642	2,470	2,236	2,018	1,736	902	538
Poland	10,372	10,543	8,744	9,345	9,266	9,128	8,300	7,280	5,721	5,098
Romania	0	0	0	0	0	0	0	4,560	3,650	3,459
<b>Eastern Europe</b>	<b>25,606</b>	<b>25,819</b>	<b>24,599</b>	<b>25,226</b>	<b>25,689</b>	<b>24,560</b>	<b>25,002</b>	<b>28,118</b>	<b>16,196</b>	<b>11,848</b>
<b>Europe</b>	<b>104,381</b>	<b>108,165</b>	<b>105,797</b>	<b>101,434</b>	<b>101,544</b>	<b>104,557</b>	<b>106,563</b>	<b>106,061</b>	<b>93,059</b>	<b>88,598</b>
Estonia										8
Latvia									234	
<b>former U.S.S.R.</b>	<b>87,100</b>	<b>88,300</b>	<b>90,100</b>	<b>94,500</b>	<b>95,200</b>	<b>95,400</b>	<b>93,000</b>	<b>87,900</b>	<b>75,500</b>	<b>65,000 E</b>
Canada	6,319	7,500	7,605	7,253	7,718	7,476	7,790	6,554	6,622	7,038
United States	56,048	48,264	63,950	59,744	61,964	69,692	65,507	64,656	62,884	65,261
<b>North America</b>	<b>62,367</b>	<b>55,764</b>	<b>71,555</b>	<b>66,997</b>	<b>69,682</b>	<b>77,168</b>	<b>73,297</b>	<b>71,210</b>	<b>69,506</b>	<b>72,299</b>
Argentina	1,424	1,162	1,147	1,137	1,310	1,326	1,254	1,190	1,038	1,005
Brazil	5,567	6,324	6,998	7,198	7,319	7,676	8,032	6,505	5,714	6,086
Central America	0	0	0	138	137	124	110	88	90	100 E
Chile	190	215	219	138	219	290	279	256	256	250 E
Colombia	335	343	393	445	538	562	571	525	452	480 E
Ecuador	24	19	19	18	27	25	27	24	24	20 E
Mexico	2,162	2,886	3,096	2,951	2,580	3,422	3,010	3,613	2,438	2,500 E
Paraguay	0	0	0	0	0	0	0	4	5	5 E
Peru	169	311	233	265	311	276	175	174	231	220 E
Trinidad & Tobago	0	0	73	138	153	254	107	151	220	260 E
Uruguay	51	48	46	37	36	37	46	46	50	65 E
Venezuela	415	1,172	1,084	904	1,165	1,291	1,417	1,423	1,182	1,230 E
<b>Latin America</b>	<b>10,337</b>	<b>12,480</b>	<b>13,308</b>	<b>13,369</b>	<b>13,795</b>	<b>15,283</b>	<b>15,028</b>	<b>13,999</b>	<b>11,700</b>	<b>12,221</b>

**Table 23**  
(continued)

**SCRAP CONSUMPTION**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Japan	40,160	43,485	44,170	40,260	40,622	42,976	45,836	48,254	47,438	42,720
R.o.Korea	6,629	7,372	8,068	8,816	8,857	9,797	10,323	11,030	11,368	11,933
Taiwan (R.o.C.)	0	0	0	0	0	0	4,600	5,460	6,300	6,081
<b>Asia</b>	<b>46,789</b>	<b>50,857</b>	<b>52,238</b>	<b>49,076</b>	<b>49,479</b>	<b>52,773</b>	<b>60,759</b>	<b>64,744</b>	<b>65,106</b>	<b>60,734</b>
Australia	1,697	1,962	2,069	1,990	1,780	1,522	1,706	1,782	1,590	1,276
<b>World</b>	<b>312,672</b>	<b>317,528</b>	<b>335,067</b>	<b>327,365</b>	<b>331,480</b>	<b>346,702</b>	<b>350,352</b>	<b>345,696</b>	<b>316,461</b>	<b>300,128</b>
of which:										
Total Industrial Cts.	182,999	183,557	198,992	185,455	187,939	201,663	202,400	199,189	195,397	193,045
Total Developing Cts.	16,967	19,852	21,376	22,184	22,652	25,080	29,951	30,489	29,368	30,235
Total Western World	199,966	203,409	220,368	207,639	210,591	226,742	232,350	229,678	224,765	223,280
Total C.P.E.s/E.i.T.s	112,706	114,119	114,699	119,726	120,889	119,960	118,002	116,018	91,696	76,848

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.  
Shaded figures are not included in totals.

Table 24

**SCRAP EXPORTS**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium-Luxembourg	682	774	736	658	751	904	1,880	1,017	1,007	1,202
Denmark	175	234	270	183	223	298	280	311	293	357
France	3,227	4,105	3,961	3,161	3,228	3,703	4,286	3,704	3,438	3,519
F.R. Germany (1)	2,977	3,268	3,407	3,418	4,218	4,597	4,847	5,043	7,251	8,441
Greece	1	1	1	1	1	3	3	2	4	3
Ireland	21	43	50	41	26	32	34	25	18	16
Italy	18	19	10	7	15	28	30	20	12	13
Netherlands	1,522	1,680	1,835	1,989	2,244	2,650	2,773	2,594	3,529	3,250
Portugal	10	9	16	11	7	13	21	15	33	18
Spain	1	4	1	1	16	29	60	23	25	25
United Kingdom	3,794	4,316	4,520	3,837	3,306	3,609	3,250	3,198	3,215	2,801
<b>European Union</b>	<b>12,428</b>	<b>14,453</b>	<b>14,807</b>	<b>13,307</b>	<b>14,035</b>	<b>15,867</b>	<b>17,463</b>	<b>15,951</b>	<b>18,825</b>	<b>19,645</b>
Austria	13	21	32	22	92	47	96	342	504	400
Croatia										52
Cyprus										17
Finland	0	10	10	0	0	0	1	2	57	39
Iceland										5
Malta										9
Norway	36	21	9	8	11	21	20	12	16	12
Slovenia	0	0	0	0	0	0	0	0	0	33
Sweden	21	113	22	29	44	87	56	54	174	51
Switzerland	149	107	100	61	87	78	67	66	70	67
Turkey	0	3	4	3	3	7	10	0	0	12
Yugoslavia	70	142	173	158	367	362	210	412	...	
Other Western Europe	15	24	20	16	14	16	40	40	20 E	
<b>Other Western Europe</b>	<b>304</b>	<b>441</b>	<b>370</b>	<b>297</b>	<b>618</b>	<b>619</b>	<b>500</b>	<b>928</b>	<b>841</b>	<b>697</b>
<b>Western Europe</b>	<b>12,732</b>	<b>14,894</b>	<b>15,177</b>	<b>13,604</b>	<b>14,653</b>	<b>16,485</b>	<b>17,962</b>	<b>16,880</b>	<b>19,666</b>	<b>20,342</b>
Bulgaria	38	48	38	4	35	35	35	35	30	180
Czechoslovakia										866
German Dem. Rep.	8	10	5	5	6	86	147	113		
Hungary	50	79	27	6	107	151	91	220	470	530
Poland								425	600	900 E
Romania										134
<b>Eastern Europe</b>	<b>96</b>	<b>137</b>	<b>70</b>	<b>15</b>	<b>148</b>	<b>272</b>	<b>273</b>	<b>793</b>	<b>1,100</b>	<b>2,610</b>
<b>Europe</b>	<b>12,828</b>	<b>15,031</b>	<b>15,247</b>	<b>13,619</b>	<b>14,801</b>	<b>16,757</b>	<b>18,235</b>	<b>17,673</b>	<b>20,766</b>	<b>22,952</b>
Belarus										9
Russia										433
<b>C.I.S.</b>										<b>442</b>
Estonia										42
Latvia										8
<b>former U.S.S.R.</b>	<b>3,370</b>	<b>3,407</b>	<b>3,315</b>	<b>4,088</b>	<b>3,700</b>	<b>3,231</b>	<b>2,732</b>	<b>2,700</b>	<b>2,500</b>	<b>2,300 E</b>
(E: 87, 90-92)										
Canada	875	795	842	839	932	1,670	899	1,371	1,076	1,104
United States	6,822	8,617	9,025	10,617	9,404	9,160	12,071	11,580	9,345	9,203
<b>North America</b>	<b>7,697</b>	<b>9,412</b>	<b>9,867</b>	<b>11,456</b>	<b>10,336</b>	<b>10,830</b>	<b>12,970</b>	<b>12,951</b>	<b>10,421</b>	<b>10,307</b>



**Table 24**  
(continued)

**SCRAP EXPORTS**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
South Africa	0	0	1	0	0	0	0	70	89	100 E
P.R. China	0	0	20	3	100	30	185	112	81	32
Hong Kong (E)	330	300	319	275	345	428	474	480	500	500 E
India	5	5	5	5	5	5	35	0	0	0
Indonesia	1	0	31	7	3	5	5	5	5	0
Japan	116	147	166	461	366	416	586	395	331	1,720
R.o.Korea	285	124	54	76	47	26	19	40	22	16
Malaysia (E)	13	20	22	46	44	50	50	50	50	50 E
Philippines (E)	1	1	0	1	1	2	2	2	2	2 E
Singapore	119	109	167	91	156	260	238	300	238	251
Taiwan (R.o.C.)	355	283	445	252	238	276	52	67	68	64
Thailand	1	4	4	4	4	6	5	5	5	5 E
<b>Asia</b>	<b>1,226</b>	<b>993</b>	<b>1,232</b>	<b>1,221</b>	<b>1,309</b>	<b>1,504</b>	<b>1,651</b>	<b>1,456</b>	<b>1,302</b>	<b>2,640</b>
Australia	588	445	379	536	922	1,139	1,496	923	1,131	1,000 E
<b>World</b>	<b>25,709</b>	<b>29,287</b>	<b>30,041</b>	<b>30,920</b>	<b>31,069</b>	<b>33,462</b>	<b>37,084</b>	<b>35,773</b>	<b>36,210</b>	<b>39,299</b>
of which:										
Total Industrial Cts.	20,545	24,452	25,211	25,522	25,356	27,732	31,518	30,296	30,507	32,469
Total Developing Cts.	1,110	846	1,046	756	843	1,058	880	879	801	788
Total Western World	21,655	25,298	26,257	26,278	26,199	28,790	32,398	31,175	31,308	33,257
Total C.P.E.s/E.i.T.s	4,054	3,989	3,785	4,642	4,870	4,672	4,686	4,598	4,901	6,042

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Shaded figures are not included in totals.

Table 25

**SCRAP IMPORTS**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium-Luxembourg	1,045	1,672	1,490	1,222	1,583	1,900	1,966	1,885	2,003	2,083
Denmark	67	132	48	121	89	117	105	74	126	96
France	307	407	461	353	519	815	881	1,009	1,133	1,217
F.R. Germany (1)	1,298	1,765	1,616	1,382	1,195	1,407	1,233	1,154	1,041	812
Greece	520	328	313	455	653	388	397	526	929	266
Ireland	70	88	136	122	149	180	220	217	202	158
Italy	4,446	5,486	5,777	4,746	4,911	5,200	6,012	5,808	6,037	6,259
Netherlands	364	478	586	849	1,037	769	1,107	1,160	2,025	2,042
Portugal	108	120	105	103	119	179	149	82	66	23
Spain	4,742	5,018	6,146	4,340	4,266	4,505	4,492	4,262	4,291	4,405
United Kingdom	11	32	51	47	73	91	85	60	96	99
<b>European Union</b>	<b>12,978</b>	<b>15,526</b>	<b>16,729</b>	<b>13,740</b>	<b>14,593</b>	<b>15,551</b>	<b>16,647</b>	<b>16,237</b>	<b>17,948</b>	<b>17,459</b>
Austria	219	363	239	115	69	102	88	55	50	165
Finland	37	33	113	64	54	16	33	46	46	53
Norway	15	13	11	6	32	164	61	23	136	133
Sweden	450	839	885	698	789	799	623	225	149	252
Switzerland	147	273	240	240	240	240	240	136	227	349
Turkey	1,074	1,038	1,148	1,799	2,830	3,037	3,200	3,650	4,443	4,989
Yugoslavia	738	781	729	651	689	746	700	550	...	
<b>Other Western Europe</b>	<b>2,680</b>	<b>3,340</b>	<b>3,365</b>	<b>3,573</b>	<b>4,703</b>	<b>5,104</b>	<b>4,945</b>	<b>4,685</b>	<b>5,051</b>	<b>5,941</b>
<b>Western Europe</b>	<b>15,658</b>	<b>18,866</b>	<b>20,094</b>	<b>17,313</b>	<b>19,296</b>	<b>20,655</b>	<b>21,593</b>	<b>20,922</b>	<b>22,999</b>	<b>23,399</b>
Bulgaria									48	1
Czechoslovakia										302
German Dem. Rep.	672	1,035	886	986	903	900	900	900 E		
Hungary	28	20	14	8	14	5	10	5	121	81
Poland	5	7	5	5	6	3	5	4	2	0
Romania										117
<b>Eastern Europe</b>	<b>705</b>	<b>1,062</b>	<b>905</b>	<b>999</b>	<b>923</b>	<b>908</b>	<b>915</b>	<b>909</b>	<b>171</b>	<b>501</b>
<b>Europe</b>	<b>16,363</b>	<b>19,928</b>	<b>20,999</b>	<b>18,312</b>	<b>20,219</b>	<b>21,563</b>	<b>22,508</b>	<b>21,831</b>	<b>23,170</b>	<b>23,900</b>
Belarus										46
Latvia									98	17
Canada	669	1,137	578	395	415	1,186	1,461	1,002	809	1,231
United States	581	524	555	656	765	941	1,016	1,292	1,073	1,279
<b>North America</b>	<b>1,250</b>	<b>1,661</b>	<b>1,133</b>	<b>1,051</b>	<b>1,180</b>	<b>2,127</b>	<b>2,477</b>	<b>2,294</b>	<b>1,882</b>	<b>2,510</b>
Argentina	7	12	1	3	2	4	12	23	20	10 E
Brazil	10	31	104	491	138	87	342	113	89	99
Mexico	394	454	660	442	464	563	283	300	550	600 E
<b>Latin America</b>	<b>411</b>	<b>496</b>	<b>765</b>	<b>935</b>	<b>605</b>	<b>654</b>	<b>637</b>	<b>436</b>	<b>659</b>	<b>709</b>

**Table 25**  
**(continued)**

**SCRAP IMPORTS**  
**thousand metric tons**

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
P.R. China	0	249	362	465	498	485	470	155	203	2,489
Hong Kong (E)	27	28	20	33	44	86	76	82	100	100 E
India	804	1,000	1,800	1,921	1,846	2,046	2,245	2,820	1,250	2,600
Indonesia	261	243	191	476	382	585	703	1,178	1,187	1,200 E
Japan	3,906	4,018	3,254	3,224	2,358	1,791	1,157	1,048	821	328
R.o.Korea	3,185	3,217	3,532	4,108	3,961	3,920	4,089	3,885	3,511	3,133
Malaysia (E)	30	48	34	4	222	300	350	400	450	500 E
Philippines (E)	0	2	1	85	109	94	152	150	150	150 E
Singapore	95	79	38	28	123	170	49	221	149	147
Taiwan (R.o.C.)	768	609	715	1,241	766	1,236	1,553	1,285	2,262	1,845
Thailand	641	494	658	660	750	1,158	1,200	1,300	1,300	1,300 E
<b>Asia</b>	<b>9,717</b>	<b>9,987</b>	<b>10,604</b>	<b>12,245</b>	<b>11,058</b>	<b>11,871</b>	<b>12,044</b>	<b>12,524</b>	<b>11,383</b>	<b>13,792</b>
Australia	0	0	0	0	2	14	2	0	0	0
<b>World</b>	<b>27,742</b>	<b>32,071</b>	<b>33,500</b>	<b>32,544</b>	<b>33,063</b>	<b>36,229</b>	<b>37,668</b>	<b>37,084</b>	<b>37,193</b>	<b>40,974</b>
of which:										
Total Industrial Cts.	20,814	24,544	24,481	21,589	22,835	24,587	25,229	24,263	25,702	26,237
Total Developing Cts.	6,223	6,216	7,752	9,491	8,807	10,248	11,054	11,757	11,018	11,684
Total Western World	27,037	30,760	32,233	31,080	31,642	34,836	36,283	36,020	36,720	37,921
Total C.P.E.s/E.i.T.s	705	1,311	1,267	1,464	1,421	1,393	1,385	1,064	472	3,053

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Table 26

**COKE PRODUCTION**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	5,106	5,926	5,964	5,131	5,226	5,548	5,459	5,420	4,888	4,460
Denmark	23									
France	8,458	8,999	8,691	8,254	7,463	7,428	7,324	7,197	6,945	6,524
F.R. Germany (1)	22,984	21,467	23,232	23,101	20,218	18,825	18,767	21,926	16,521	15,200 E
Italy	6,492	6,943	7,410	7,193	6,753	6,723	6,743	6,356	6,057	4,930
Netherlands	2,126	2,726	2,958	2,665	2,735	2,905	2,898	2,736	2,932	2,900 E
Portugal	249	237	275	276	267	270	261	230	240	268
Spain	3,524	3,283	3,440	3,093	2,883	3,004	3,119	3,211	3,180	2,990
United Kingdom	8,532	6,982	9,276	8,929	8,682	8,584	8,445	8,055	7,779	6,585
<b>European Union</b>	<b>57,494</b>	<b>56,563</b>	<b>61,246</b>	<b>58,642</b>	<b>54,227</b>	<b>53,287</b>	<b>53,016</b>	<b>55,131</b>	<b>48,542</b>	<b>43,857</b>
Austria	1,725	1,854	1,751	1,744	1,727	1,744	1,771	1,725	1,540	1,473
Finland	0	0	0	0	79	470	433	487	471	440
Norway	314	321	312	312	284	175				
Sweden	1,164	1,231	1,203	1,176	1,096	907	984	1,083	1,112	1,146
Turkey	2,563	2,569	2,712	3,002	3,172	3,359	2,869	3,424	3,383	3,250
Yugoslavia	3,440	3,516	3,545	3,495	2,960	3,240	3,273	2,276	1,158	850 E
<b>Other Western Europe</b>	<b>9,206</b>	<b>9,491</b>	<b>9,523</b>	<b>9,729</b>	<b>9,318</b>	<b>9,895</b>	<b>9,330</b>	<b>8,995</b>	<b>7,664</b>	<b>7,159</b>
<b>Western Europe</b>	<b>66,700</b>	<b>66,054</b>	<b>70,769</b>	<b>68,371</b>	<b>63,545</b>	<b>63,182</b>	<b>62,346</b>	<b>64,126</b>	<b>56,206</b>	<b>51,016</b>
Albania (E)	18	19	20	21	22	23	23	23	0	0 E
Bulgaria	1,270	1,186	1,316	1,461	1,465	1,386	1,449	1,193	653	620 E
Czechoslovakia	10,340	10,303	10,237	10,091	10,586	10,586	10,147	9,625	8,603	7,730 E
German Dem. Rep.	1,193	1,179	1,257	1,307	1,256	1,251	1,224	1,250 E		
Hungary	877	703	607	665	969	996	953	864	898	943 E
Poland	16,643	16,869	16,443	16,804	17,441	17,482	16,885	13,671	11,411	11,400 E
Romania	4,268	5,418	5,337	5,743	5,888	5,823	5,945	3,965	2,581	1,800 E
<b>Eastern Europe</b>	<b>34,609</b>	<b>35,677</b>	<b>35,217</b>	<b>36,092</b>	<b>37,627</b>	<b>37,547</b>	<b>36,626</b>	<b>30,591</b>	<b>24,146</b>	<b>22,493</b>
<b>Europe</b>	<b>101,309</b>	<b>101,731</b>	<b>105,986</b>	<b>104,463</b>	<b>101,172</b>	<b>100,729</b>	<b>98,972</b>	<b>94,717</b>	<b>80,352</b>	<b>73,509</b>
Kazakhstan										3,166
Russia										30,423
Ukraine										26,940
<b>C.I.S.</b>										<b>60,529</b>
Georgia										195
<b>former U.S.S.R. (E: 83-87)</b>	<b>84,000</b>	<b>84,000</b>	<b>84,000</b>	<b>84,000</b>	<b>83,000</b>	<b>81,900</b>	<b>80,424</b>	<b>78,002</b>	<b>64,600</b>	<b>60,724</b>
Canada	4,120	4,901	4,684	4,496	4,637	4,663	4,414	3,708	3,622	3,711
United States	23,413	27,724	25,992	23,170	25,435	29,397	29,951	25,053	21,814	22,399
<b>North America</b>	<b>27,533</b>	<b>32,625</b>	<b>30,676</b>	<b>27,666</b>	<b>30,072</b>	<b>34,060</b>	<b>34,365</b>	<b>28,761</b>	<b>25,436</b>	<b>26,110</b>
Argentina	418	336	663	808	859	844	1,115	930	785	535
Brazil	4,642	6,204	6,649	7,344	7,454	7,980	7,893	7,546	7,940	8,069
Chile	252	290	301	304	316	306	277	328	400	480 E
Colombia	326	364	344	377	388	398	257	278	264	260 E
Mexico	3,077	2,905	2,904	2,380	2,340	1,785	2,064	2,103	1,892	1,900
Uruguay	3	1	1	1	1	1	1	1	0	0
<b>Latin America</b>	<b>8,718</b>	<b>10,100</b>	<b>10,862</b>	<b>11,214</b>	<b>11,358</b>	<b>11,314</b>	<b>11,608</b>	<b>11,186</b>	<b>11,281</b>	<b>11,244</b>

**Table 26**  
(continued)

**COKE PRODUCTION**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Algeria (E)	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000 E
Egypt	877	913	914	926	936	1,034	1,141	1,210	1,232	1,200 E
South Africa (E: 1988-92)	3,356	3,505	2,600	3,626	4,016	3,950	4,200	4,000	4,450	4,150 E
Zimbabwe (E:1983-91)	350	250	420	430	370	360	350	350	360	566
<b>Africa</b>	<b>5,583</b>	<b>5,668</b>	<b>4,934</b>	<b>5,982</b>	<b>6,322</b>	<b>6,344</b>	<b>6,691</b>	<b>6,560</b>	<b>7,042</b>	<b>6,916</b>
Iran (E: 1991-2)	300	350	400	350	400	400	500	832	1,200	1,250 E
P.R. China	42,135	45,567	47,947	52,668	57,906	61,076	66,240	73,270	73,514	79,847
India (E:1991-2)	11,610	10,969	11,637	9,619	8,536	10,883	10,742	9,735	10,900	11,650
Japan	46,674	51,275	51,742	48,140	46,429	50,635	49,795	47,580	46,701	43,423
D.P.R. Korea (E)	3,400	3,400	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500 E
R.o.Korea	4,682	5,199	5,207	5,280	6,256	6,940	7,323	7,949	9,274	9,513
Pakistan (E: 1991-2)	370	370	451	610	637	642	672	668	700	700 E
Taiwan (R.o.C.)	2,066	1,816	1,897	2,095	1,941	3,102	3,166	3,140	3,190	3,000 E
<b>Asia</b>	<b>110,937</b>	<b>118,596</b>	<b>122,381</b>	<b>121,912</b>	<b>125,205</b>	<b>136,778</b>	<b>141,438</b>	<b>145,842</b>	<b>147,779</b>	<b>151,633</b>
Australia	3,678	3,563	3,603	3,776	3,600	4,146	4,545	4,421	4,241	4,477
New Zealand	7	8	5	5	1					
<b>Oceania</b>	<b>3,685</b>	<b>3,571</b>	<b>3,608</b>	<b>3,781</b>	<b>3,601</b>	<b>4,146</b>	<b>4,545</b>	<b>4,421</b>	<b>4,241</b>	<b>4,477</b>
<b>World</b>	<b>342,065</b>	<b>356,641</b>	<b>362,847</b>	<b>359,368</b>	<b>361,130</b>	<b>375,671</b>	<b>378,542</b>	<b>370,322</b>	<b>341,932</b>	<b>335,863</b>
of which:										
Total Industrial Cts.	147,948	157,030	159,395	151,584	147,663	155,973	155,251	148,888	137,034	129,176
Total Developing Cts.	29,973	30,967	32,788	31,524	31,434	35,675	36,501	36,071	39,138	40,123
Total Western World	177,921	187,997	192,183	183,108	179,097	191,648	191,752	184,959	176,172	169,299
Total C.P.E.s/E.i.T.s	164,144	168,644	170,664	176,260	182,033	184,023	186,790	185,363	165,760	166,564

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Table 27

**CRUDE STEEL PRODUCTION IN B.O.F.s**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	9,355	10,401	9,820	9,027	9,130	10,298	9,960	10,374	10,299	9,275
Denmark										
France	14,121	15,278	15,135	13,735	13,228	14,083	13,956	13,614	13,112	12,551
F.R. Germany (1)	28,775	31,731	33,020	30,321	29,890	33,938	33,943	31,328	32,842	30,612
Greece										
Ireland										
Italy	10,141	11,350	11,367	11,045	10,558	10,535	11,173	11,200	10,419	10,165
Luxembourg	3,294	3,987	3,945	3,705	3,302	3,661	3,721	3,560	3,379	3,068
Netherlands	4,278	5,533	5,304	5,052	4,836	5,263	5,419	5,180	4,943	5,196
Portugal	329	416	436	449	449	471	386	335	229	415
Spain	5,356	5,391	5,459	4,874	4,930	4,751	5,617	5,593	5,619	4,995
United Kingdom	10,496	10,295	11,185	10,560	12,957	14,008	13,627	13,169	12,540	12,092
<b>European Union</b>	<b>86,145</b>	<b>94,382</b>	<b>95,671</b>	<b>88,768</b>	<b>89,280</b>	<b>97,008</b>	<b>97,802</b>	<b>94,353</b>	<b>93,382</b>	<b>88,369</b>
Austria	3,995	4,393	4,205	3,891	3,984	4,204	4,333	3,921	3,896	3,592
Bosnia -Herzegovina									430	164
Croatia										
Finland	2,045	2,223	2,073	2,148	2,224	2,327	2,445	2,405	2,478	2,558
Macedonia										29
Norway	499	511	534	494	364	385	234			
Slovenia										
Sweden	2,053	2,279	2,425	2,458	2,326	2,479	2,610	2,712	2,811	2,808
Switzerland										
Turkey	2,036	2,375	2,617	2,930	3,285	3,591	2,810	3,762	3,652	4,246
Yugoslavia	1,598	1,644	1,801	1,770	1,715	1,913	1,934	1,715	1,018	
F.R. Yugoslavia										513
<b>Other Western Europe</b>	<b>12,226</b>	<b>13,425</b>	<b>13,655</b>	<b>13,691</b>	<b>13,898</b>	<b>14,899</b>	<b>14,366</b>	<b>14,515</b>	<b>13,855</b>	<b>13,910</b>
<b>Western Europe</b>	<b>98,371</b>	<b>107,807</b>	<b>109,326</b>	<b>102,459</b>	<b>103,178</b>	<b>111,907</b>	<b>112,168</b>	<b>108,868</b>	<b>107,237</b>	<b>102,279</b>
Albania (E)	40	45	50	60	60	60	65	60	0	0 E
Bulgaria	1,560	1,576	1,623	1,592	1,634	1,426	1,455	1,200	810	922
Czechoslovakia	4,037	4,970	6,178	6,554	7,037	7,034	11,349	10,821	9,524	9,118
Czech Republic										5,521
German Dem. Rep.	591	1,095	1,794	2,041	2,201	2,307	2,388	1,910		
Hungary	1,194	1,295	1,322	1,434	1,615	1,657	1,541	1,424	1,322	1,338
Poland	6,891	7,036	6,821	7,540	7,476	7,442	7,222	7,210	5,746	6,248
Romania	5,684	7,062	6,694	6,851	7,200	6,960	7,453	5,267	3,875	2,828
Slovak Republic										3,597
<b>Eastern Europe</b>	<b>19,997</b>	<b>23,079</b>	<b>24,482</b>	<b>26,072</b>	<b>27,223</b>	<b>26,886</b>	<b>31,473</b>	<b>27,892</b>	<b>21,277</b>	<b>20,454</b>
<b>Europe</b>	<b>118,368</b>	<b>130,886</b>	<b>133,808</b>	<b>128,531</b>	<b>130,400</b>	<b>138,793</b>	<b>143,640</b>	<b>136,760</b>	<b>128,514</b>	<b>122,733</b>
Belarus										4,230
Kazakhstan										
Russia									24,242	23,100
Ukraine									18,013	16,597
Uzbekistan										
<b>C.I.S.</b>									<b>42,255</b>	<b>43,927</b>
Azerbaijan										
Georgia										
Latvia										
Moldova										
<b>former U.S.S.R.</b>	<b>48,100</b>	<b>49,950</b>	<b>50,850</b>	<b>52,650</b>	<b>54,264</b>	<b>55,588</b>	<b>55,538</b>	<b>54,365</b>	<b>46,917</b>	<b>43,927</b>

**Table 27**  
(continued)

**CRUDE STEEL PRODUCTION IN B.O.F.s**  
percentage of total crude steel production

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	92.1	92.0	91.9	92.9	93.3	91.8	91.0	90.9	90.9	89.8
Denmark										
France	80.3	80.4	80.5	76.9	74.8	73.6	72.2	71.6	71.1	69.9
F.R. Germany (1)	80.5	80.6	81.5	81.7	82.5	82.7	82.6	81.5	77.9	77.1
Greece										
Ireland										
Italy	46.5	47.2	47.6	48.3	46.2	44.3	44.3	44.0	41.5	40.9
Luxembourg	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Netherlands	95.4	96.4	96.1	95.6	95.2	95.4	95.4	95.7	95.6	95.5
Portugal	48.8	60.3	65.6	63.2	61.3	58.0	50.7	45.0	42.3	55.4
Spain	41.2	39.9	38.5	41.0	42.2	40.0	44.0	43.2	43.5	40.7
United Kingdom	70.0	68.1	71.1	71.7	74.4	73.9	72.7	73.8	76.1	74.6
<b>European Union</b>	<b>69.9</b>	<b>70.2</b>	<b>70.5</b>	<b>70.6</b>	<b>70.6</b>	<b>70.4</b>	<b>69.8</b>	<b>69.0</b>	<b>67.9</b>	<b>66.8</b>
Austria	90.6	90.2	90.2	90.7	92.6	92.2	91.9	91.4	93.0	90.9
Bosnia -Herzegovina									56.1	63.0
Croatia										
Finland	84.6	84.2	82.3	83.1	83.3	83.2	83.7	84.1	85.7	83.1
Macedonia									0.0	14.4
Norway	57.0	55.8	56.6	59.1	42.8	42.3	34.5			
Slovenia										
Sweden	48.8	48.4	50.4	52.2	50.6	51.9	55.6	60.9	66.2	64.4
Switzerland										
Turkey	53.1	54.8	53.8	49.4	46.6	45.0	36.0	40.4	36.6	41.1
Yugoslavia	38.7	38.8	40.2	39.2	39.3	42.7	43.0	45.8	44.4	
F.R. Yugoslavia										76.9
<b>Other Western Europe</b>	<b>59.0</b>	<b>59.2</b>	<b>58.7</b>	<b>57.2</b>	<b>56.3</b>	<b>56.2</b>	<b>54.8</b>	<b>55.8</b>	<b>55.4</b>	<b>56.0</b>
<b>Western Europe</b>	<b>68.3</b>	<b>68.6</b>	<b>68.8</b>	<b>68.4</b>	<b>68.2</b>	<b>68.1</b>	<b>67.4</b>	<b>66.9</b>	<b>66.0</b>	<b>65.1</b>
Albania (E)	57.1	56.3	55.6	60.0	60.0	60.0	58.0	75.9	0.0	0.0 E
Bulgaria	55.2	54.8	55.1	54.9	53.7	49.5	50.2	55.0	50.2	59.4
Czechoslovakia	26.9	33.5	41.1	43.4	45.6	45.7	73.4	72.7	78.9	84.1
Czech Republic										75.8
German Dem. Rep.	8.2	14.5	22.8	25.6	26.7	28.4	30.5	34.3		
Hungary	33.0	34.4	36.2	38.6	44.6	46.3	46.5	50.4	68.5	87.3
Poland	42.4	42.6	42.3	44.0	43.6	44.1	47.8	53.0	55.2	63.5
Romania	45.1	48.9	48.5	48.0	48.1	48.6	51.7	54.0	54.5	52.6
Slovak Republic										93.2
<b>Eastern Europe</b>	<b>34.7</b>	<b>38.4</b>	<b>41.2</b>	<b>42.6</b>	<b>43.5</b>	<b>43.9</b>	<b>53.2</b>	<b>57.1</b>	<b>64.2</b>	<b>70.2</b>
<b>Europe</b>	<b>58.7</b>	<b>60.3</b>	<b>61.3</b>	<b>60.9</b>	<b>61.0</b>	<b>61.5</b>	<b>63.7</b>	<b>64.6</b>	<b>65.7</b>	<b>65.9</b>
Belarus										
Kazakhstan										74.5
Russia									31.5	34.5
Ukraine									40.0	39.7
Uzbekistan										
<b>C.I.S.</b>									<b>32.6</b>	<b>37.8</b>
Azerbaijan										
Georgia										
Latvia										
Moldova										
<b>former U.S.S.R.</b>	<b>31.5</b>	<b>32.4</b>	<b>32.9</b>	<b>32.8</b>	<b>33.5</b>	<b>34.1</b>	<b>34.7</b>	<b>35.2</b>	<b>35.3</b>	<b>37.3</b>

**Table 27**  
(continued)

**CRUDE STEEL PRODUCTION IN B.O.F.s**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Canada	8,496	10,735	10,554	9,939	10,332	10,065	10,734	7,773	8,814	9,282
United States	47,219	47,919	47,070	43,441	47,624	52,581	52,922	53,042	47,821	52,292
<b>North America</b>	<b>55,715</b>	<b>58,654</b>	<b>57,624</b>	<b>53,380</b>	<b>57,956</b>	<b>62,646</b>	<b>63,656</b>	<b>60,815</b>	<b>56,635</b>	<b>61,574</b>
Argentina	594	567	981	1,425	1,534	1,445	1,955	1,984	1,397	1,004
Brazil	10,211	12,812	14,680	15,427	16,667	18,547	18,739	15,214	17,934	18,848
Central America										
Chile	593	663	655	671	685	860	747	728	757	963
Colombia	209	227	231	289	313	295	300	328	305	292
Cuba										
Ecuador										
Mexico	2,966	3,422	3,139	3,463	2,967	3,286	2,965	3,530	3,125	3,744
Paraguay					13	62	55	48	61	86
Peru	101	0	150	195	163	146	188	80	193	143
Trinidad & Tobago										
Uruguay										
Venezuela										
<b>Latin America</b>	<b>14,674</b>	<b>17,691</b>	<b>19,835</b>	<b>21,470</b>	<b>22,342</b>	<b>24,641</b>	<b>24,949</b>	<b>21,910</b>	<b>23,771</b>	<b>25,080</b>
Algeria	790	650	1,314	1,350	1,437	1,301	546	799	1,258	1,260 E
Egypt	619	703	760	747	753	793	788	813	1,002	894
Kenya										
Libya										
Nigeria										
South Africa	4,707	5,357	6,000	5,523	5,585	5,498	5,995	5,473	5,856	5,746
Tunisia	130	129	128	139	144	124	145	139	156	141
Zimbabwe	647	423	730	680	616	603	582	585	581	547
Other Africa (E)										
<b>Africa</b>	<b>6,893</b>	<b>7,262</b>	<b>8,932</b>	<b>8,439</b>	<b>8,534</b>	<b>8,319</b>	<b>8,056</b>	<b>7,810</b>	<b>8,853</b>	<b>8,588</b>
Iran	640	750	740	740	740	780	830	1,033	1,655	2,200
Israel										
Qatar										
Saudi Arabia										
Other Middle East (E)										
<b>Middle East</b>	<b>640</b>	<b>750</b>	<b>740</b>	<b>740</b>	<b>740</b>	<b>780</b>	<b>830</b>	<b>1,033</b>	<b>1,655</b>	<b>2,200</b>
Bangladesh										
P.R. China	19,945	22,254	24,366	29,224	31,956	34,244	35,616	39,086	42,796	49,160
Hong Kong (E)										
India	2,805	3,435	3,960	4,335	4,876	5,643	5,927	6,173	7,476	8,246
Indonesia										
Japan	69,550	76,358	74,776	69,117	69,145	74,248	74,874	75,640	75,217	67,144
D.P.R. Korea (E)	1,400	1,700	1,700	1,800	1,930	1,980	2,050	2,100	2,100	2,100 E
R.o.Korea	8,449	9,194	9,284	9,528	11,351	13,079	15,421	15,937	18,423	19,587
Malaysia (E)	120	120	130	130	140	140	150	150	157	162
Pakistan (E)	80	250	700	850	950	1,150	1,150	1,150	1,150	950 E
Philippines (E)										
Singapore										
Taiwan (R.o.C.)	3,411	3,341	3,347	3,641	3,704	5,613	6,001	5,627	5,829	5,421
Thailand										
Viet Nam (E: 1981-85)										
Other Asia (E)										
<b>Asia</b>	<b>105,760</b>	<b>116,652</b>	<b>118,263</b>	<b>118,625</b>	<b>124,052</b>	<b>136,097</b>	<b>141,189</b>	<b>145,863</b>	<b>153,148</b>	<b>152,769</b>



**Table 27**  
(continued)

**CRUDE STEEL PRODUCTION IN B.O.F.s**  
percentage of total crude steel production

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Canada	66.2	73.0	72.1	70.6	70.1	67.7	69.4	63.3	67.9	67.1
United States	61.5	57.1	58.8	58.7	58.9	58.0	59.6	59.1	60.0	62.0
<b>North America</b>	<b>62.2</b>	<b>59.5</b>	<b>60.8</b>	<b>60.6</b>	<b>60.6</b>	<b>59.4</b>	<b>61.0</b>	<b>59.6</b>	<b>61.1</b>	<b>62.7</b>
Argentina	20.2	21.4	33.3	44.0	42.2	39.6	50.0	54.2	47.0	37.7
Brazil	69.3	69.7	71.8	72.7	75.0	75.2	74.8	74.0	79.3	78.7
Central America										
Chile	96.0	95.8	95.0	95.0	94.4	94.6	93.4	94.3	93.8	95.2
Colombia	43.3	44.8	43.5	45.7	45.3	41.4	42.2	46.7	46.8	44.4
Cuba										
Ecuador										
Mexico	42.5	45.3	42.4	47.9	38.8	42.2	37.8	40.4	39.2	44.4
Paraguay					100.0	100.0	100.0	100.0	100.0	100.0
Peru	33.8	0.0	37.6	40.2	32.8	34.1	51.7	29.4	47.7	41.8
Trinidad & Tobago										
Uruguay										
Venezuela										
<b>Latin America</b>	<b>50.4</b>	<b>52.7</b>	<b>54.8</b>	<b>56.7</b>	<b>55.7</b>	<b>57.7</b>	<b>58.3</b>	<b>56.9</b>	<b>60.1</b>	<b>60.6</b>
Algeria	88.6	86.1	92.9	93.1	93.7	92.2	52.4	89.2	90.3	90.0 E
Egypt	63.2	75.8	73.9	73.7	52.5	39.2	37.3	36.2	39.2	35.4
Kenya										
Libya										
Nigeria										
South Africa	65.6	69.3	70.5	62.1	62.1	62.2	64.2	63.5	62.6	63.4
Tunisia	79.8	77.7	80.0	76.4	76.6	78.0	77.5	78.5	80.4	77.5
Zimbabwe	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Other Africa (E)										
<b>Africa</b>	<b>68.1</b>	<b>70.4</b>	<b>73.0</b>	<b>67.5</b>	<b>65.5</b>	<b>62.3</b>	<b>59.4</b>	<b>58.6</b>	<b>58.5</b>	<b>57.9</b>
Iran	87.2	87.8	88.5	88.3	88.2	79.7	76.7	72.5	75.1	74.9
Israel										
Qatar										
Saudi Arabia										
Other Middle East (E)										
<b>Middle East</b>	<b>38.3</b>	<b>31.6</b>	<b>27.7</b>	<b>27.9</b>	<b>25.4</b>	<b>23.5</b>	<b>23.0</b>	<b>25.7</b>	<b>34.9</b>	<b>39.7</b>
Bangladesh										
P.R. China	49.8	51.2	52.1	56.0	56.8	57.6	57.8	58.9	60.3	60.7
Hong Kong (E)										
India	27.4	32.6	33.2	35.5	37.2	39.4	40.6	41.3	43.7	45.5
Indonesia										
Japan	71.6	72.3	71.0	70.3	70.2	70.3	69.4	68.6	68.6	68.4
D.P.R. Korea (E)	23.0	26.2	26.2	27.3	28.7	29.0	29.6	30.0	30.0	30.0 E
R.o.Korea	70.9	70.5	68.6	65.5	67.6	68.4	70.5	68.9	70.9	69.8
Malaysia (E)	34.3	34.3	32.5	28.9	20.6	15.1	15.0	13.6	13.9	10.4
Pakistan (E)	66.7	83.3	93.3	94.4	95.0	95.8	95.8	95.8	95.8	95.0 E
Philippines (E)										
Singapore										
Taiwan (R.o.C.)	67.9	67.7	64.5	65.7	64.2	67.7	66.3	57.7	53.1	50.6
Thailand										
Viet Nam (E: 1981-85)										
Other Asia (E)										
<b>Asia</b>	<b>61.1</b>	<b>62.3</b>	<b>61.2</b>	<b>61.1</b>	<b>61.2</b>	<b>61.9</b>	<b>61.7</b>	<b>61.0</b>	<b>61.3</b>	<b>60.8</b>

**Table 27**  
(continued)

**CRUDE STEEL PRODUCTION IN B.O.F.s**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Australia	5,481	6,068	6,273	6,357	5,720	5,964	6,258	6,154	5,719	6,385
New Zealand					79	367	440	506	560	530
<b>Oceania</b>	<b>5,481</b>	<b>6,068</b>	<b>6,273</b>	<b>6,357</b>	<b>5,799</b>	<b>6,331</b>	<b>6,698</b>	<b>6,660</b>	<b>6,279</b>	<b>6,915</b>
<b>World</b>	<b>355,630</b>	<b>387,913</b>	<b>396,326</b>	<b>390,193</b>	<b>404,088</b>	<b>433,195</b>	<b>444,555</b>	<b>435,216</b>	<b>425,772</b>	<b>423,785</b>
of which:										
Total Industrial Cts.	233,824	254,244	253,999	236,836	241,663	260,630	263,390	257,456	251,223	243,657
Total Developing Cts.	32,365	36,686	40,929	43,610	47,052	53,868	56,489	54,317	61,459	64,488
Total Western World	266,188	290,930	294,928	280,447	288,715	314,497	319,878	311,773	312,682	308,145
Total C.P.E.s/E.i.T.s	89,442	96,983	101,398	109,746	115,373	118,698	124,677	123,443	113,090	115,641

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Shaded figures are not included in totals.

**Table 27**  
**(continued)**

**CRUDE STEEL PRODUCTION IN B.O.F.s**  
**percentage of total crude steel production**

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Australia	96.6	96.3	94.9	95.3	93.8	93.4	92.9	92.2	92.5	93.9
New Zealand					19.3	65.5	64.5	70.4	69.5	69.9
<b>Oceania</b>	<b>92.7</b>	<b>92.2</b>	<b>91.8</b>	<b>91.3</b>	<b>89.1</b>	<b>91.1</b>	<b>90.3</b>	<b>90.1</b>	<b>89.8</b>	<b>91.5</b>
<b>World</b>	<b>53.6</b>	<b>54.6</b>	<b>55.1</b>	<b>54.7</b>	<b>54.9</b>	<b>55.5</b>	<b>56.6</b>	<b>56.5</b>	<b>57.8</b>	<b>58.6</b>
of which:										
Total Industrial Cts.	68.0	67.7	67.9	67.3	67.0	66.6	66.6	65.8	65.9	65.8
Total Developing Cts.	51.4	52.6	53.3	54.1	53.6	54.9	55.1	53.1	55.0	54.9
Total Western World	65.4	65.3	65.4	64.8	64.4	64.3	64.3	63.2	63.4	63.2
Total C.P.E.s/E.i.T.s	34.9	36.6	37.8	39.1	40.1	40.8	43.3	44.6	46.3	49.2

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Shaded figures are not included in totals.

Table 28

## CRUDE STEEL PRODUCTION IN E.A.F.s

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	799	899	863	686	653	919	988	1,041	1,032	1,055
Denmark	493	548	528	632	606	650	624	610	632	591
France	3,461	3,722	3,673	4,122	4,465	5,039	5,379	5,401	5,322	5,410
F.R. Germany (1)	6,954	7,658	7,477	6,813	6,358	7,085	7,130	7,106	8,559	8,581
Greece	866	936	985	1,009	907	959	956	999	980	924
Ireland	141	166	203	208	220	271	324	326	293	257
Italy	11,663	12,703	12,524	11,830	12,296	13,220	14,035	14,262	14,691	14,671
Luxembourg										
Netherlands	207	206	213	231	246	255	262	232	228	243
Portugal	345	274	229	261	283	341	376	409	312	334
Spain	7,399	8,106	8,734	7,008	6,761	7,135	7,148	7,343	7,313	7,277
United Kingdom	4,491	4,826	4,537	4,165	4,457	4,942	5,113	4,672	3,934	4,120
<b>European Union</b>	<b>36,819</b>	<b>40,044</b>	<b>39,966</b>	<b>36,965</b>	<b>37,252</b>	<b>40,816</b>	<b>42,335</b>	<b>42,400</b>	<b>43,296</b>	<b>43,463</b>
Austria	416	477	455	401	317	356	384	370	290	361
Bosnia -Herzegovina									80	5
Croatia									120	102
Finland	371	416	445	438	445	471	476	456	412	519
Macedonia									222	173
Norway	377	405	410	343	487	525	444	383	438	446
Slovenia									373	401
Sweden	2,157	2,426	2,388	2,252	2,269	2,300	2,082	1,743	1,441	1,550
Switzerland	835	978	987	1,075	866	988	916	963	955	1,050
Turkey	1,249	1,496	1,728	2,390	3,164	3,809	4,667	4,955	4,991	6,097
Yugoslavia	1,103	1,152	1,155	1,241	1,351	1,416	1,465	1,101	808	
F.R. Yugoslavia									725	154
<b>Other Western Europe</b>	<b>6,508</b>	<b>7,350</b>	<b>7,568</b>	<b>8,140</b>	<b>8,899</b>	<b>9,865</b>	<b>10,434</b>	<b>9,970</b>	<b>9,335</b>	<b>10,858</b>
<b>Western Europe</b>	<b>43,327</b>	<b>47,394</b>	<b>47,534</b>	<b>45,105</b>	<b>46,151</b>	<b>50,681</b>	<b>52,769</b>	<b>52,371</b>	<b>52,631</b>	<b>54,321</b>
Albania (E)	30	35	40	40	40	40	47	40	16	0 E
Bulgaria	888	977	1,008	991	1,094	1,137	1,155	960	650	630
Czechoslovakia	2,078	2,104	2,050	2,046	2,039	2,110	2,021	1,971	1,319	745
Czech Republic										622
German Dem. Rep.	2,257	2,367	2,420	2,415	2,540	2,501	2,385	1,750		
Hungary	401	444	452	467	466	415	362	219	112	55
Poland	2,350	2,428	2,401	2,507	2,590	2,802	2,480	2,420	2,019	1,767
Romania	2,685	2,985	2,954	3,219	3,600	3,394	3,460	2,391	1,953	1,653
Slovak Republic										123
<b>Eastern Europe</b>	<b>10,689</b>	<b>11,340</b>	<b>11,325</b>	<b>11,685</b>	<b>12,369</b>	<b>12,399</b>	<b>11,910</b>	<b>9,751</b>	<b>6,069</b>	<b>4,850</b>
<b>Europe</b>	<b>54,016</b>	<b>58,734</b>	<b>58,859</b>	<b>56,790</b>	<b>58,521</b>	<b>63,080</b>	<b>64,678</b>	<b>62,122</b>	<b>58,700</b>	<b>59,171</b>
Belarus									803	1,105
Kazakhstan										40
Russia									12,366	9,400
Ukraine									3,302	3,181
Uzbekistan										440
<b>C.I.S.</b>									<b>16,471</b>	<b>14,166</b>
Azerbaijan										30
Georgia										7
Latvia										
Moldova									618	619
<b>former U.S.S.R.</b>	<b>17,100</b>	<b>17,530</b>	<b>18,150</b>	<b>22,637</b>	<b>21,782</b>	<b>21,811</b>	<b>20,925</b>	<b>20,130</b>	<b>18,318</b>	<b>14,822</b>

**Table 28**  
(continued)

**CRUDE STEEL PRODUCTION IN E.A.F.s**  
percentage of total crude steel production

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	7.9	8.0	8.1	7.1	6.7	8.2	9.0	9.1	9.1	10.2
Denmark	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
France	19.7	19.6	19.5	23.1	25.2	26.4	27.8	28.4	28.9	30.1
F.R. Germany (1)	19.5	19.4	18.5	18.3	17.5	17.3	17.4	18.5	20.3	21.6
Greece	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Ireland	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.2	100.0
Italy	53.5	52.8	52.4	51.7	53.8	55.6	55.7	56.0	58.5	59.1
Luxembourg										
Netherlands	4.6	3.6	3.9	4.4	4.8	4.6	4.6	4.3	4.4	4.5
Portugal	51.2	39.7	34.4	36.8	38.7	42.0	49.3	55.0	57.7	44.6
Spain	56.9	60.1	61.5	59.0	57.8	60.0	56.0	56.8	56.5	59.3
United Kingdom	30.0	31.9	28.9	28.3	25.6	26.1	27.3	26.2	23.9	25.4
<b>European Union</b>	<b>29.9</b>	<b>29.8</b>	<b>29.5</b>	<b>29.4</b>	<b>29.4</b>	<b>29.6</b>	<b>30.2</b>	<b>31.0</b>	<b>31.5</b>	<b>32.8</b>
Austria	9.4	9.8	9.8	9.3	7.4	7.8	8.1	8.6	6.9	9.1
Bosnia -Herzegovina									10.4	1.9
Croatia									55.8	100.0
Finland	15.4	15.8	17.7	16.9	16.7	16.8	16.3	15.9	14.3	16.9
Macedonia									100.0	85.7
Norway	43.0	44.2	43.4	41.0	57.2	57.7	65.5	100.0	100.0	100.0
Slovenia									100.0	100.0
Sweden	51.2	51.6	49.6	47.8	49.4	48.1	44.4	39.1	33.9	35.6
Switzerland	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Turkey	32.6	34.5	35.5	40.3	44.9	47.7	59.8	53.2	50.0	58.9
Yugoslavia	26.7	27.2	25.8	27.5	30.9	31.6	32.6	29.4	35.2	
F.R. Yugoslavia									100.0	23.1
<b>Other Western Europe</b>	<b>31.4</b>	<b>32.4</b>	<b>32.5</b>	<b>34.0</b>	<b>36.0</b>	<b>37.2</b>	<b>39.8</b>	<b>38.3</b>	<b>37.3</b>	<b>43.7</b>
<b>Western Europe</b>	<b>30.1</b>	<b>30.2</b>	<b>29.9</b>	<b>30.1</b>	<b>30.5</b>	<b>30.8</b>	<b>31.7</b>	<b>32.2</b>	<b>32.4</b>	<b>34.6</b>
Albania (E)	42.9	43.8	44.4	40.0	40.0	40.0	42.0	50.6	100.0	0.0 E
Bulgaria	31.4	33.9	34.2	34.2	35.9	39.5	39.8	44.0	40.2	40.6
Czechoslovakia	13.8	14.2	13.6	13.5	13.2	13.7	13.1	13.2	10.9	6.9
Czech Republic										8.5
German Dem. Rep.	31.3	31.3	30.8	30.3	30.8	30.8	30.5	31.4		
Hungary	11.1	11.8	12.4	12.6	12.9	11.6	10.9	7.8	5.8	3.6
Poland	14.5	14.7	14.9	14.6	15.1	16.6	16.4	17.8	19.4	18.0
Romania	21.3	20.7	21.4	22.5	24.1	23.7	24.0	24.5	27.4	30.8
Slovak Republic										3.2
<b>Eastern Europe</b>	<b>18.6</b>	<b>18.9</b>	<b>19.0</b>	<b>19.1</b>	<b>19.8</b>	<b>20.2</b>	<b>20.1</b>	<b>19.9</b>	<b>18.3</b>	<b>16.6</b>
<b>Europe</b>	<b>26.8</b>	<b>27.0</b>	<b>26.9</b>	<b>26.9</b>	<b>27.4</b>	<b>28.0</b>	<b>28.7</b>	<b>29.3</b>	<b>30.0</b>	<b>31.8</b>
Belarus									100.0	100.0
Kazakhstan										0.7
Russia									16.0	14.0
Ukraine									7.3	7.6
Uzbekistan										69.8
<b>C.I.S.</b>									<b>12.7</b>	<b>12.2</b>
Azerbaijan										
Georgia										5.6
Latvia										2.8
Moldova									100.0	100.0
<b>former U.S.S.R.</b>	<b>11.2</b>	<b>11.4</b>	<b>11.7</b>	<b>14.1</b>	<b>13.5</b>	<b>13.4</b>	<b>13.1</b>	<b>13.0</b>	<b>13.8</b>	<b>12.6</b>

**Table 28**  
(continued)

**CRUDE STEEL PRODUCTION IN E.A.F.s**

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Canada	3,416	3,965	4,084	4,142	4,405	4,801	4,724	4,508	4,173	4,558
United States	24,145	28,458	27,167	27,570	30,834	33,426	31,885	33,509	30,640	32,031
<b>North America</b>	<b>27,561</b>	<b>32,423</b>	<b>31,251</b>	<b>31,712</b>	<b>35,239</b>	<b>38,227</b>	<b>36,609</b>	<b>38,017</b>	<b>34,813</b>	<b>36,589</b>
Argentina	1,625	1,440	1,522	1,469	1,719	1,782	1,748	1,622	1,575	1,657
Brazil	3,599	4,767	4,878	5,128	5,006	5,512	5,660	4,896	4,274	4,638
Central America	60	102	101	133	129	116	97	81	81	89
Chile	25	29	34	35	41	49	53	44	50	49
Colombia	242	252	289	325	367	407	407	374	347	365
Cuba										
Ecuador	23	18	18	17	25	23	23	20	21	19
Mexico	3,201	3,206	3,241	2,908	3,366	3,564	4,066	4,491	4,577	4,691
Paraguay										
Peru	198	337	248	291	333	283	176	191	211	199
Trinidad & Tobago	210	187	172	336	388	374	347	371	445	516
Uruguay	46	41	39	31	30	30	37	38	41	53
Venezuela	1,976	2,225	2,582	2,798	3,137	3,075	2,704	2,699	3,304	3,443
<b>Latin America</b>	<b>11,204</b>	<b>12,604</b>	<b>13,124</b>	<b>13,471</b>	<b>14,542</b>	<b>15,216</b>	<b>15,318</b>	<b>14,827</b>	<b>14,926</b>	<b>15,719</b>
Algeria	70	70	70	70	62	72	34	37	75	80 E
Egypt	233	209	131	128	544	1,092	1,198	1,293	1,397	1,483
Kenya	11	11	14	16	20	20	19	20	20	20 E
Libya								492	718	822
Nigeria	182	229	321	200	184	234	213	220	250	200 E
South Africa	2,313	2,219	2,350	3,372	3,406	3,211	3,222	3,034	3,397	3,225
Tunisia	33	37	32	43	44	35	42	38	37	40
Zimbabwe										
Other Africa (E)	65	65	65	65	65	65	65	70	70	70 E
<b>Africa</b>	<b>2,907</b>	<b>2,840</b>	<b>2,983</b>	<b>3,894</b>	<b>4,324</b>	<b>4,729</b>	<b>4,793</b>	<b>5,204</b>	<b>5,964</b>	<b>5,939</b>
Iran	100	100	100	100	100	200	250	392	548	740 E
Israel	83	92	100	110	116	99	100	135	90	109
Qatar	480	488	533	507	491	527	563	564	564	575
Saudi Arabia	275	842	1,106	1,100	1,365	1,614	1,768	1,790	1,783	1,823
Other Middle East (E)	100	100	100	100	100	100	100	100	100	100 E
<b>Middle East</b>	<b>1,038</b>	<b>1,622</b>	<b>1,939</b>	<b>1,917</b>	<b>2,172</b>	<b>2,540</b>	<b>2,781</b>	<b>2,980</b>	<b>3,085</b>	<b>3,347</b>
Bangladesh										
P.R. China	8,123	9,033	10,084	10,568	11,476	12,066	12,754	14,015	15,004	17,626
Hong Kong (E)	120	120	120	120	120	120	150	150	150	150 E
India	2,199	2,255	3,044	3,201	3,639	3,791	4,052	4,114	4,783	5,107
Indonesia	983	1,171	1,374	1,729	2,059	2,054	2,383	2,892	3,089	2,949
Japan	27,629	29,228	30,505	29,158	29,368	31,433	33,034	34,699	34,432	30,988
D.P.R. Korea (E)	2,900	3,000	3,000	3,000	3,000	3,050	3,080	3,100	3,100	3,100 E
R.o.Korea	3,467	3,840	4,255	5,027	5,431	6,039	6,452	7,188	7,578	8,467
Malaysia (E)	230	230	270	320	560	760	850	950	973	1,397
Pakistan (E)	40	50	50	50	50	50	50	50	50	50 E
Philippines (E)	200	250	300	400	450	500	550	600	605	417
Singapore	305	362	365	390	441	432	495	489	510	482
Taiwan (R.o.C.)	1,611	1,593	1,839	1,904	2,067	2,675	3,046	4,042	4,942	5,229
Thailand	244	381	447	463	534	552	750	650	711	929
Viet Nam (E: 1981-85)	60	60	60	64	70	74	85	102	183	184
Other Asia (E)	50	50	60	60	60	70	70	70	70	70 E
<b>Asia</b>	<b>48,161</b>	<b>51,623</b>	<b>55,773</b>	<b>56,455</b>	<b>59,324</b>	<b>63,666</b>	<b>67,801</b>	<b>73,110</b>	<b>76,180</b>	<b>77,144</b>

**Table 28**  
(continued)

**CRUDE STEEL PRODUCTION IN E.A.F.s**  
percentage of total crude steel production

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Canada	26.6	27.0	27.9	29.4	29.9	32.3	30.6	36.7	32.1	32.9
United States	31.5	33.9	33.9	37.2	38.1	36.9	35.9	37.3	38.4	38.0
<b>North America</b>	<b>30.8</b>	<b>32.9</b>	<b>33.0</b>	<b>36.0</b>	<b>36.9</b>	<b>36.2</b>	<b>35.1</b>	<b>37.3</b>	<b>37.5</b>	<b>37.3</b>
Argentina	55.2	54.4	51.7	45.4	47.3	48.8	44.7	44.4	53.0	62.3
Brazil	24.4	25.9	23.8	24.2	22.5	22.4	22.6	23.8	18.9	19.4
Central America	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	100.0
Chile	4.0	4.2	5.0	5.0	5.6	5.4	6.6	5.7	6.2	4.8
Colombia	50.2	49.6	54.4	51.5	53.2	57.2	57.2	53.3	53.2	55.6
Cuba										
Ecuador	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mexico	45.9	42.4	43.8	40.2	44.1	45.8	51.8	51.4	57.5	55.6
Paraguay										
Peru	66.2	100.0	62.4	59.8	67.2	65.9	48.3	70.6	52.3	58.2
Trinidad & Tobago	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Uruguay	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Venezuela	83.5	80.1	84.5	82.3	84.8	84.3	84.6	90.1	100.0	100.0
<b>Latin America</b>	<b>38.5</b>	<b>37.5</b>	<b>36.3</b>	<b>35.6</b>	<b>36.3</b>	<b>35.6</b>	<b>35.8</b>	<b>38.5</b>	<b>37.7</b>	<b>38.0</b>
Algeria	7.8	9.3	5.0	4.8	4.0	5.1	3.3	4.1	5.4	5.7 E
Egypt	23.8	22.5	12.7	12.6	38.0	53.9	56.7	57.5	54.7	58.8
Kenya	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 E
Libya								100.0	100.0	100.0
Nigeria	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 E
South Africa	32.2	28.7	27.6	37.9	37.9	36.3	34.5	35.2	36.3	35.6
Tunisia	20.2	22.3	20.0	23.6	23.4	22.0	22.5	21.5	19.1	22.0
Zimbabwe										
Other Africa (E)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 E
<b>Africa</b>	<b>28.7</b>	<b>27.6</b>	<b>24.4</b>	<b>31.1</b>	<b>33.2</b>	<b>35.4</b>	<b>35.3</b>	<b>39.0</b>	<b>39.4</b>	<b>40.1</b>
Iran	13.6	11.7	12.0	11.9	11.9	20.4	23.1	27.5	24.9	25.2 E
Israel	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Qatar	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Saudi Arabia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Other Middle East (E)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 E
<b>Middle East</b>	<b>62.1</b>	<b>68.3</b>	<b>72.5</b>	<b>72.2</b>	<b>74.6</b>	<b>76.5</b>	<b>77.0</b>	<b>74.3</b>	<b>65.1</b>	<b>60.4</b>
Bangladesh										
P.R. China	20.3	20.8	21.5	20.2	20.4	20.3	20.7	21.1	21.1	21.8
Hong Kong (E)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 E
India	21.5	21.4	25.5	26.2	27.7	26.5	27.7	27.5	28.0	28.2
Indonesia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Japan	28.4	27.7	29.0	29.7	29.8	29.7	30.6	31.4	31.4	31.6
D.P.R. Korea (E)	47.5	46.2	46.2	45.5	44.6	44.7	44.4	44.3	44.3	44.3 E
R.o.Korea	29.1	29.5	31.4	34.5	32.4	31.6	29.5	31.1	29.1	30.2
Malaysia (E)	65.7	65.7	67.5	71.1	82.4	82.2	85.0	86.4	86.1	89.6
Pakistan (E)	33.3	16.7	6.7	5.6	5.0	4.2	4.2	4.2	4.2	5.0 E
Philippines (E)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	83.9
Singapore	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Taiwan (R.o.C.)	32.1	32.3	35.5	34.3	35.8	32.3	33.7	41.5	45.0	48.8
Thailand	100.0	100.0	100.0	100.0	100.0	100.0	125.0	100.0	100.0	100.0
Viet Nam (E: 1981-85)	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	84.0
Other Asia (E)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 E
<b>Asia</b>	<b>27.8</b>	<b>27.6</b>	<b>28.9</b>	<b>29.1</b>	<b>29.3</b>	<b>29.0</b>	<b>29.7</b>	<b>30.6</b>	<b>30.5</b>	<b>30.7</b>

**Table 28**  
(continued)

**CRUDE STEEL PRODUCTION IN E.A.F.s**

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Australia	195	234	336	317	380	423	477	522	465	418
New Zealand	234	280	227	287	330	193	242	213	246	230
<b>Oceania</b>	<b>429</b>	<b>514</b>	<b>563</b>	<b>604</b>	<b>710</b>	<b>616</b>	<b>719</b>	<b>735</b>	<b>711</b>	<b>648</b>
<b>World</b>	<b>162,415</b>	<b>177,890</b>	<b>182,642</b>	<b>187,479</b>	<b>196,613</b>	<b>209,886</b>	<b>213,623</b>	<b>217,125</b>	<b>212,697</b>	<b>213,379</b>
of which:										
Total Industrial Cts.	101,259	111,778	112,203	109,951	114,874	124,169	126,352	128,856	125,984	125,770
Total Developing Cts.	22,284	25,149	27,820	29,574	33,042	36,317	38,517	41,171	44,040	47,027
Total Western World	123,543	136,927	140,023	139,525	147,917	160,486	164,870	170,027	170,023	172,797
Total C.P.E.s/E.i.T.s	38,872	40,963	42,619	47,954	48,697	49,400	48,753	47,098	42,674	40,582

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Shaded figures are not included in totals.



**Table 28**  
(continued)

**CRUDE STEEL PRODUCTION IN E.A.F.s**  
percentage of total crude steel production

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Australia	3.4	3.7	5.1	4.7	6.2	6.6	7.1	7.8	7.5	6.1
New Zealand	100.0	100.0	100.0	100.0	80.7	34.5	35.5	29.6	30.5	30.3
<b>Oceania</b>	<b>7.3</b>	<b>7.8</b>	<b>8.2</b>	<b>8.7</b>	<b>10.9</b>	<b>8.9</b>	<b>9.7</b>	<b>9.9</b>	<b>10.2</b>	<b>8.6</b>
<b>World</b>	<b>24.5</b>	<b>25.1</b>	<b>25.4</b>	<b>26.3</b>	<b>26.7</b>	<b>26.9</b>	<b>27.2</b>	<b>28.2</b>	<b>28.9</b>	<b>29.5</b>
of which:										
Total Industrial Cts.	29.5	29.8	30.0	31.2	31.8	31.7	32.0	32.9	33.1	34.0
Total Developing Cts.	35.4	36.0	36.2	36.7	37.6	37.1	37.6	40.3	39.5	40.1
Total Western World	30.4	30.7	31.0	32.3	33.0	32.8	33.1	34.5	34.5	35.5
Total C.P.E.s/E.i.T.s	15.1	15.5	15.9	17.1	16.9	17.0	16.9	17.0	17.5	17.3

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Shaded figures are not included in totals.

Table 29

## CRUDE STEEL PRODUCTION IN O.H.F.s

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium										
Denmark										
France										
F.R. Germany (1)									768	518
Greece										
Ireland										
Italy										
Luxembourg										
Netherlands										
Portugal										
Spain	254									
United Kingdom										
<b>European Union</b>	<b>254</b>								<b>768</b>	<b>518</b>
Austria										
Bosnia -Herzegovina									260	91
Croatia									94	
Finland										
Macedonia										
Norway										
Slovenia										
Sweden										
Switzerland										
Turkey	549	459	519	608	595	582	322	605	693	
Yugoslavia	1,433	1,440	1,524	1,509	1,301	1,158	1,099	792	351	
F.R. Yugoslavia										
<b>Other Western Europe</b>	<b>1,982</b>	<b>1,899</b>	<b>2,043</b>	<b>2,117</b>	<b>1,896</b>	<b>1,740</b>	<b>1,421</b>	<b>1,397</b>	<b>1,044</b>	<b>91</b>
<b>Western Europe</b>	<b>2,236</b>	<b>1,899</b>	<b>2,043</b>	<b>2,117</b>	<b>1,896</b>	<b>1,740</b>	<b>1,421</b>	<b>1,397</b>	<b>1,812</b>	<b>609</b>
Albania (E)										
Bulgaria	381	325	315	315	317	317	290	240	155	
Czechoslovakia	8,908	7,756	6,809	6,511	6,339	6,235	2,096	2,085	1,228	981
Czech Republic										981
German Dem. Rep.	4,267	3,998	3,525	3,400	3,400	3,309	3,042	1,890		
Hungary	2,022	2,012	1,874	1,814	1,541	1,510	1,411	1,180	497	140
Poland	6,986	7,059	6,894	7,088	7,069	6,620	5,387	3,965	2,628	1,820
Romania	4,224	4,389	4,148	4,207	4,162	3,960	3,503	2,103	1,288	890
Slovak Republic										
<b>Eastern Europe</b>	<b>26,788</b>	<b>25,539</b>	<b>23,565</b>	<b>23,335</b>	<b>22,828</b>	<b>21,951</b>	<b>15,729</b>	<b>11,463</b>	<b>5,796</b>	<b>3,831</b>
<b>Europe</b>	<b>29,024</b>	<b>27,438</b>	<b>25,608</b>	<b>25,452</b>	<b>24,724</b>	<b>23,691</b>	<b>17,150</b>	<b>12,860</b>	<b>7,608</b>	<b>4,440</b>
Belarus										
Kazakhstan										1,400
Russia										34,500
Ukraine										21,963
Uzbekistan										190
<b>C.I.S.</b>										<b>58,053</b>
Azerbaijan										385
Georgia										500
Latvia									365	239
Moldova										
<b>former U.S.S.R.</b>	<b>87,000</b>	<b>86,500</b>	<b>85,650</b>	<b>85,250</b>	<b>85,757</b>	<b>85,552</b>	<b>83,554</b>	<b>79,846</b>	<b>67,548</b>	<b>59,177</b>

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

**CRUDE STEEL PRODUCTION IN O.H.F.s**  
**percentage of total crude steel production**

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium										
Denmark										
France										
F.R. Germany (1)									1.8	1.3
Greece										
Ireland										
Italy										
Luxembourg										
Netherlands										
Portugal										
Spain	2.0									
United Kingdom										
<b>European Union</b>	<b>0.2</b>								<b>0.6</b>	<b>0.4</b>
Austria										
Bosnia -Herzegovina									33.9	34.9
Croatia									43.7	
Finland										
Macedonia										
Norway										
Slovenia										
Sweden										
Switzerland										
Turkey	14.3	10.6	10.7	10.3	8.4	7.3	4.1	6.5	6.9	
Yugoslavia	34.7	34.0	34.0	33.4	29.8	25.8	24.4	21.2	15.3	
F.R. Yugoslavia										
<b>Other Western Europe</b>	<b>9.6</b>	<b>8.4</b>	<b>8.8</b>	<b>8.8</b>	<b>7.7</b>	<b>6.6</b>	<b>5.4</b>	<b>5.4</b>	<b>4.2</b>	<b>0.4</b>
<b>Western Europe</b>	<b>1.6</b>	<b>1.2</b>	<b>1.3</b>	<b>1.4</b>	<b>1.3</b>	<b>1.1</b>	<b>0.9</b>	<b>0.9</b>	<b>1.1</b>	<b>0.4</b>
Albania (E)										
Bulgaria	13.5	11.3	10.7	10.9	10.4	11.0	10.0	11.0	9.6	
Czechoslovakia	59.3	52.3	45.3	43.1	41.1	40.5	13.6	14.0	10.2	9.0
Czech Republic										13.5
German Dem. Rep.	59.1	52.8	44.9	42.7	41.2	40.7	38.9	34.0		
Hungary	55.9	53.4	51.4	48.8	42.5	42.2	42.6	41.8	25.7	9.1
Poland	43.0	42.7	42.8	41.3	41.2	39.2	35.7	29.2	25.3	18.5
Romania	33.5	30.4	30.1	29.5	27.8	27.7	24.3	21.5	18.1	16.6
Slovak Republic										
<b>Eastern Europe</b>	<b>46.5</b>	<b>42.5</b>	<b>39.6</b>	<b>38.1</b>	<b>36.5</b>	<b>35.8</b>	<b>26.6</b>	<b>23.4</b>	<b>17.5</b>	<b>13.1</b>
<b>Europe</b>	<b>14.4</b>	<b>12.6</b>	<b>11.7</b>	<b>12.1</b>	<b>11.6</b>	<b>10.5</b>	<b>7.6</b>	<b>6.1</b>	<b>3.9</b>	<b>2.4</b>
Belarus										
Kazakhstan										24.7
Russia										51.5
Ukraine										52.6
Uzbekistan										30.2
<b>C.I.S.</b>										<b>50.0</b>
Azerbaijan										100.0
Georgia										94.2
Latvia									97.6	97.2
Moldova										
<b>former U.S.S.R.</b>	<b>57.0</b>	<b>56.1</b>	<b>55.4</b>	<b>53.1</b>	<b>53.0</b>	<b>52.5</b>	<b>52.2</b>	<b>51.7</b>	<b>50.8</b>	<b>50.3</b>

**Table 29**  
(continued)

**CRUDE STEEL PRODUCTION IN O.H.F.s**

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Canada	921									
United States	5,399	7,562	5,831	3,021	2,419	4,643	4,029	3,171	1,278	
<b>North America</b>	<b>6,320</b>	<b>7,562</b>	<b>5,831</b>	<b>3,021</b>	<b>2,419</b>	<b>4,643</b>	<b>4,029</b>	<b>3,171</b>	<b>1,278</b>	
Argentina	670	591	438	341	380	425	206	29		
Brazil	806	807	747	516	366	196	1			
Central America										
Chile										
Colombia	32	28	11	18	10	10	4			
Cuba	352	325	401	412	402	320	314	255	180	121
Ecuador										
Mexico	811	933	1,019	854	1,309	929	821	713	262	
Paraguay										
Peru										
Trinidad & Tobago										
Uruguay										
Venezuela	391	552	473	604	563	571	491	298		
<b>Latin America</b>	<b>3,062</b>	<b>3,236</b>	<b>3,090</b>	<b>2,744</b>	<b>3,028</b>	<b>2,452</b>	<b>1,838</b>	<b>1,296</b>	<b>442</b>	<b>121</b>
Algeria	30	30	30	30	34	38	15	60	60	60 E
Egypt	127	30	137	138	136	140	128	141	157	147
Kenya										
Libya										
Nigeria										
South Africa										
Tunisia										
Zimbabwe										
Other Africa (E)										
<b>Africa</b>	<b>157</b>	<b>60</b>	<b>167</b>	<b>168</b>	<b>170</b>	<b>178</b>	<b>143</b>	<b>201</b>	<b>217</b>	<b>207</b>
Iran										
Israel										
Qatar										
Saudi Arabia										
Other Middle East (E)										
<b>Middle East</b>										
Bangladesh	58	88	122	116	120	120	120	120	120	100
P.R. China	11,907	12,145	12,300	12,358	12,778	13,044	13,130	13,157	13,092	13,992
Hong Kong (E)										
India	5,215	4,859	4,932	4,661	4,606	4,875	4,629	4,676	4,841	4,763
Indonesia										
Japan										
D.P.R. Korea (E)	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800 E
R.o.Korea										
Malaysia (E)										
Pakistan (E)										
Philippines (E)										
Singapore										
Taiwan (R.o.C.)										
Thailand										
Viet Nam (E: 1981-85)										
Other Asia (E)										
<b>Asia</b>	<b>18,980</b>	<b>18,892</b>	<b>19,154</b>	<b>18,935</b>	<b>19,304</b>	<b>19,839</b>	<b>19,679</b>	<b>19,753</b>	<b>19,853</b>	<b>20,655</b>

**Table 29**  
(continued)

**CRUDE STEEL PRODUCTION IN O.H.F.s**  
percentage of total crude steel production

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Canada	7.2									
United States	7.0	9.0	7.3	4.1	3.0	5.1	4.5	3.5	1.6	
<b>North America</b>	<b>7.1</b>	<b>7.7</b>	<b>6.2</b>	<b>3.4</b>	<b>2.5</b>	<b>4.4</b>	<b>3.9</b>	<b>3.1</b>	<b>1.4</b>	
Argentina	22.8	22.3	14.9	10.5	10.4	11.6	5.3	0.8		
Brazil	5.5	4.4	3.7	2.4	1.6	0.8				
Central America										
Chile										
Colombia	6.5	5.6	2.0	2.8	1.4	1.4	0.6			
Cuba	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Ecuador										
Mexico	11.6	12.3	13.8	11.8	17.1	11.9	10.5	8.2	3.3	
Paraguay										
Peru										
Trinidad & Tobago										
Uruguay										
Venezuela	16.5	19.9	15.5	17.7	15.2	15.7	15.4	9.9		
<b>Latin America</b>	<b>10.5</b>	<b>9.6</b>	<b>8.5</b>	<b>7.3</b>	<b>7.6</b>	<b>5.7</b>	<b>4.3</b>	<b>3.4</b>	<b>1.1</b>	<b>0.3</b>
Algeria	3.4	4.0	2.1	2.1	2.2	2.7	1.4	6.7	4.3	4.3 E
Egypt	13.0	3.2	13.3	13.6	9.5	6.9	6.1	6.3	6.1	5.8
Kenya										
Libya										
Nigeria										
South Africa										
Tunisia										
Zimbabwe										
Other Africa (E)										
<b>Africa</b>	<b>1.6</b>	<b>0.6</b>	<b>1.4</b>	<b>1.3</b>	<b>1.3</b>	<b>1.3</b>	<b>1.1</b>	<b>1.5</b>	<b>1.4</b>	<b>1.4</b>
Iran										
Israel										
Qatar										
Saudi Arabia										
Other Middle East (E)										
<b>Middle East</b>										
Bangladesh	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
P.R. China	29.8	27.9	26.3	23.7	22.7	21.9	21.3	19.8	18.4	17.3
Hong Kong (E)										
India	50.9	46.1	41.3	38.2	35.1	34.1	31.7	31.3	28.3	26.3
Indonesia										
Japan										
D.P.R. Korea (E)	29.5	27.7	27.7	27.3	26.7	26.4	26.0	25.7	25.7	25.7 E
R.o.Korea										
Malaysia (E)										
Pakistan (E)										
Philippines (E)										
Singapore										
Taiwan (R.o.C.)										
Thailand										
Viet Nam (E: 1981-85)										
Other Asia (E)										
<b>Asia</b>	<b>11.0</b>	<b>10.1</b>	<b>9.9</b>	<b>9.8</b>	<b>9.5</b>	<b>9.0</b>	<b>8.6</b>	<b>8.3</b>	<b>8.0</b>	<b>8.2</b>

Table 29  
(continued)

**CRUDE STEEL PRODUCTION IN O.H.F.s**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Australia										
New Zealand										
<b>Oceania</b>										
<b>World</b>	<b>144,543</b>	<b>143,688</b>	<b>139,500</b>	<b>135,570</b>	<b>135,402</b>	<b>136,355</b>	<b>126,392</b>	<b>117,127</b>	<b>96,946</b>	<b>84,600</b>
of which:										
Total Industrial Cts.	8,556	9,461	7,874	5,138	4,315	6,383	5,450	4,569	3,090	609
Total Developing Cts.	8,140	7,918	7,909	7,278	7,523	7,304	6,416	6,038	5,440	5,070
Total Western World	16,696	17,379	15,783	12,416	11,838	13,687	11,866	10,607	8,530	5,679
Total C.P.E.s/E.i.T.s	127,847	126,309	123,716	123,155	123,564	122,667	114,527	106,521	88,416	78,921

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.  
Shaded figures are not included in totals.

**Table 29**  
(continued)

**CRUDE STEEL PRODUCTION IN O.H.F.s**  
percentage of total crude steel production

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Australia										
New Zealand										
<hr/>										
<b>Oceania</b>										
<b>World</b>	<b>21.8</b>	<b>20.2</b>	<b>19.4</b>	<b>19.0</b>	<b>18.4</b>	<b>17.5</b>	<b>16.1</b>	<b>15.2</b>	<b>13.2</b>	<b>11.7</b>
<hr/>										
of which:										
Total Industrial Cts.	2.5	2.5	2.1	1.5	1.2	1.6	1.4	1.2	0.8	0.2
Total Developing Cts.	12.9	11.3	10.3	9.0	8.6	7.4	6.3	5.9	4.9	4.3
Total Western World	4.1	3.9	3.5	2.9	2.6	2.8	2.4	2.1	1.7	1.2
Total C.P.E.s/E.i.T.s	49.8	47.7	46.2	43.8	42.9	42.2	39.7	38.5	36.2	33.6

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Shaded figures are not included in totals.

Table 30

**STEEL TUBE PRODUCTION**

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	268	314	305	270	240	346	350	385	...	...
Denmark	...	...	65	62	61	67	63	69	70	...
France	1,617	1,751	1,735	1,671	1,402	1,537	1,640	1,428	1,475	...
F.R. Germany (1)	4,704	5,077	5,494	4,748	4,209	4,549	4,313	3,832	4,293	3,588
Greece	281	244	310	...	242	226	...	...	...	...
Italy	3,302	3,447	3,018	2,915	3,626	3,549	4,128	2,657	2,780	3,285
Luxembourg	147	146	144	123	133	135	111	107	128	134
Netherlands	270	290	300	310	315	325	360	375	353	...
Portugal	66	48	62	52	58	35	82	60	60	100
Spain	1,189	1,062	1,059	930	917	971	1,053	1,037	1,025	909
United Kingdom	1,207	1,350	1,313	1,192	1,318	1,481	1,521	1,467	1,261	1,186
<b>European Union</b>	<b>13,051</b>	<b>13,729</b>	<b>13,805</b>	<b>12,273</b>	<b>12,521</b>	<b>13,221</b>	<b>13,621</b>	<b>11,417</b>	<b>11,445</b>	<b>9,202</b>
Austria	418	511	506	453	496	645	653	671	595	539
Croatia	...	...	...	...	...	...	...	...	191	116
Cyprus	...	...	...	...	...	...	...	...	...	13
Finland	191	197	217	222	233	257	248	236	198	230
Norway	...	...	...	...	...	94	79	80	...	...
Slovenia	...	...	...	...	...	...	...	...	35	37
Sweden	220	244	247	238	248	273	254	231	199	194
Switzerland	154	154	160	0	194	192	197	220	...	...
Turkey	...	514	0	492	663	606	702	612	645	668
Yugoslavia	568	661	668	692	628	697	699	589	377	...
F.R. Yugoslavia	...	...	...	...	...	...	...	...	76	69
Other Western Europe	6	7	5	5	5	5	5	5	...	...
<b>Other Western Europe</b>	<b>1,551</b>	<b>2,281</b>	<b>1,798</b>	<b>2,097</b>	<b>2,462</b>	<b>2,764</b>	<b>2,832</b>	<b>2,639</b>	<b>2,014</b>	<b>1,866</b>
<b>Western Europe</b>	<b>14,602</b>	<b>16,010</b>	<b>15,603</b>	<b>14,370</b>	<b>14,983</b>	<b>15,985</b>	<b>16,453</b>	<b>14,056</b>	<b>13,459</b>	<b>11,068</b>
Bulgaria	283	293	286	284	285	277	338	52	87	79
Czechoslovakia	1,521	1,521	1,554	1,565	1,586	1,579	1,579	1,568	1,195	1,012
German Dem. Rep.	698	732	754	768	773	767	786	...	...	...
Hungary	266	278	281	293	308	280	284	192	129	109
Poland	994	1,009	992	1,027	1,038	1,054	971	567	519	520
Romania	1,411	1,507	1,513	1,565	1,394	...	823	1,057	625	443
Slovak Republic	...	...	...	...	...	...	...	...	...	70
<b>Eastern Europe</b>	<b>5,173</b>	<b>5,340</b>	<b>5,380</b>	<b>5,502</b>	<b>5,384</b>	<b>3,957</b>	<b>4,782</b>	<b>3,435</b>	<b>2,555</b>	<b>2,163</b>
<b>Europe</b>	<b>19,775</b>	<b>21,350</b>	<b>20,983</b>	<b>19,872</b>	<b>20,367</b>	<b>19,942</b>	<b>21,235</b>	<b>17,491</b>	<b>16,014</b>	<b>13,231</b>
Russia	...	...	...	...	...	...	...	...	10,487	7,800
Ukraine	...	...	...	...	...	...	...	6,494	5,561	5,088
<b>C.I.S.</b>	...	...	...	...	...	...	...	...	<b>16,048</b>	<b>12,888</b>
<b>former U.S.S.R.</b>	<b>18,732</b>	<b>18,883</b>	<b>19,354</b>	<b>19,817</b>	<b>20,346</b>	<b>20,840</b>	<b>20,567</b>	<b>7,966</b>	<b>17,125</b>	<b>12,888</b>
Canada	1,226	995	1,451	1,427	1,479	1,182	1,557	1,469	1,710	1,356
United States	2,942	3,879	3,717	2,565	3,238	4,031	3,638	4,220	4,072	3,808
<b>North America</b>	<b>4,168</b>	<b>4,874</b>	<b>5,168</b>	<b>3,992</b>	<b>4,717</b>	<b>5,213</b>	<b>5,195</b>	<b>5,689</b>	<b>5,782</b>	<b>5,164</b>



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

**STEEL TUBE PRODUCTION**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Argentina	505	406	541	493	800	807	774	765	903	568
Brazil	694	1,101	1,095	1,210	963	962	961	744	797	252
Central America	6	7	6	8	10	8	6	4	4	...
Chile	0	0	0	10	10	24	21	11	24	...
Colombia	23	23	24	32	31	34	26	24	29	...
Cuba	1	0	0	1	2	2	0	0	0	...
Ecuador	17	0	0	0	17	3	0	0	0	...
Mexico	696	812	762	547	683	715	722	786	875	290
Peru	0	0	0	0	0	0	10	4	1	...
Uruguay	2	1	1	1	1	1	2	3	3	2
Venezuela	397	356	320	328	351	352	294	128	538	39
<b>Latin America</b>	<b>2,341</b>	<b>2,706</b>	<b>2,749</b>	<b>2,631</b>	<b>2,868</b>	<b>2,909</b>	<b>2,816</b>	<b>2,469</b>	<b>3,175</b>	<b>1,151</b>
Algeria	223	244	226	220	154	...	...	...	...	...
Egypt	...	...	99	...	...	...	...	...	...	...
South Africa	426	432	505	496	460	607	556	536	450	...
Other Africa (E)	...	...	37	35	35	...	...	...	...	...
<b>Africa</b>	<b>649</b>	<b>676</b>	<b>867</b>	<b>751</b>	<b>649</b>	<b>607</b>	<b>556</b>	<b>536</b>	<b>450</b>	<b>...</b>
Iran	...	...	...	...	...	...	...	46	...	...
Other Middle East (E)	...	...	143	70	17	16	30	...	...	...
<b>Middle East</b>	<b>0</b>	<b>0</b>	<b>143</b>	<b>70</b>	<b>17</b>	<b>16</b>	<b>30</b>	<b>46</b>	<b>...</b>	<b>...</b>
P.R. China	2,746	2,998	3,206	3,754	4,077	4,025	4,083	4,320	4,929	5,837
India	845	895	893	910	925	...	...	...	...	...
Indonesia	247	240	...	...	...	...	...	...	375	460
Japan	9,737	11,519	12,224	10,515	9,686	11,031	10,036	10,527	10,887	9,503
R.o.Korea	1,666	1,872	1,881	1,662	1,883	2,112	2,410	2,657	2,868	2,543
Malaysia	232	214	185	174	201	253	...	...	372	397
Philippines	...	...	...	...	...	...	...	...	91	85
Singapore	60	50	50	50	50	50	50	...	45	12
Taiwan (R.o.C.)	503	402	327	410	428	507	525	786	864	862
Thailand	...	...	...	...	...	...	...	...	199	199
<b>Asia</b>	<b>16,036</b>	<b>18,190</b>	<b>18,766</b>	<b>17,475</b>	<b>17,250</b>	<b>17,978</b>	<b>17,104</b>	<b>18,290</b>	<b>20,630</b>	<b>19,898</b>
Australia	468	462	...	...	468	...	...	...	322	361
New Zealand	43	31	35	34	20	29	43	32	...	...
<b>Oceania</b>	<b>510</b>	<b>492</b>	<b>35</b>	<b>34</b>	<b>488</b>	<b>29</b>	<b>43</b>	<b>32</b>	<b>322</b>	<b>361</b>
<b>World</b>	<b>62,212</b>	<b>67,171</b>	<b>68,066</b>	<b>64,642</b>	<b>66,701</b>	<b>67,535</b>	<b>67,546</b>	<b>52,519</b>	<b>63,498</b>	<b>52,693</b>
of which:										
Total Industrial Cts.	29,443	33,327	33,536	29,407	30,334	32,865	32,283	30,840	30,900	26,096
Total Developing Cts.	6,116	6,623	6,590	6,161	6,558	5,846	5,832	5,957	7,989	5,709
Total Western World	35,560	39,950	40,126	35,568	36,892	38,711	38,114	36,797	38,888	31,805
Total C.P.E.s/E.i.T.s	26,652	27,221	27,940	29,074	29,809	28,824	29,432	15,721	24,609	20,888

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Shaded figures are not included in totals.

Totals include listed data only.

Table 31

**SEAMLESS TUBE PRODUCTION**

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	153	254	240	146	87	156	150	162	...	...
France	596	654	624	520	412	527	574	501	506	...
F.R. Germany (1)	1,760	2,058	2,219	1,745	1,788	1,983	1,823	1,620	1,635	1,213
Italy	753	872	858	737	1,250	1,250	1,212	726	771	729
Spain	401	344	410	386	292	294	286	284	278	220
United Kingdom	376	419	409	318	350	367	398	377	362	286
<b>European Union</b>	<b>4,039</b>	<b>4,601</b>	<b>4,760</b>	<b>3,852</b>	<b>4,179</b>	<b>4,577</b>	<b>4,443</b>	<b>3,670</b>	<b>3,552</b>	<b>2,448</b>
Austria	181	251	262	221	226	307	331	333	295	229
Croatia									96	48
Finland	14	16	17	19	12	2	...	1	...	...
Sweden	145	160	160	157	164	179	175	144	116	114
Turkey	0	0	0	64	79	47	56	86	16	4
Yugoslavia	122	148	145	142	151	163	167	126	...	...
F.R. Yugoslavia									76	...
<b>Other Western Europe</b>	<b>462</b>	<b>575</b>	<b>584</b>	<b>603</b>	<b>632</b>	<b>698</b>	<b>729</b>	<b>690</b>	<b>503</b>	<b>395</b>
<b>Western Europe</b>	<b>4,501</b>	<b>5,176</b>	<b>5,344</b>	<b>4,455</b>	<b>4,811</b>	<b>5,275</b>	<b>5,172</b>	<b>4,360</b>	<b>4,055</b>	<b>2,843</b>
Bulgaria	72	69	71	66	64	53	67	52	24	22
Czechoslovakia	940	941	959	958	970	973	965	962	753	601
German Dem. Rep.	406	429	444	449	465	453	468	...	...	...
Hungary	169	174	174	181	184	168	187	121	82	57
Poland	448	455	410	453	462	485	452	299	252	247
Romania	770	859	826	909	864	...	823	498	281	253
Slovak Republic										70
<b>Eastern Europe</b>	<b>2,805</b>	<b>2,927</b>	<b>2,884</b>	<b>3,016</b>	<b>3,009</b>	<b>2,132</b>	<b>2,961</b>	<b>1,933</b>	<b>1,392</b>	<b>1,180</b>
<b>Europe</b>	<b>7,306</b>	<b>8,103</b>	<b>8,228</b>	<b>7,471</b>	<b>7,820</b>	<b>7,407</b>	<b>8,133</b>	<b>6,293</b>	<b>5,447</b>	<b>4,023</b>
Russia									4,300	3,700
Ukraine								2,925	2,517	2,402
<b>C.I.S.</b>								<b>2,925</b>	<b>6,817</b>	<b>6,102</b>
<b>former U.S.S.R.</b>	<b>7,547</b>	<b>7,679</b>	<b>7,794</b>	<b>7,829</b>	<b>7,902</b>	<b>8,075</b>	<b>8,001</b>	<b>7,966</b>	<b>7,021</b>	<b>6,102</b>
United States	847	1,502	1,517	773	1,016	1,386	1,259	1,416	1,374	1,240
Argentina	316	312	372	331	388	430	484	536	661	568
Brazil	209	339	385	390	344	329	314	239	283	252
Mexico	234	326	292	208	282	341	355	335	404	290
Uruguay	2	1	1	1	1	1	2	2	2	2
Venezuela	98	99	119	105	101	119	116	79	48	39
<b>Latin America</b>	<b>858</b>	<b>1,077</b>	<b>1,169</b>	<b>1,034</b>	<b>1,116</b>	<b>1,221</b>	<b>1,271</b>	<b>1,190</b>	<b>1,398</b>	<b>1,151</b>
Algeria	33	32	25	20	14	...	...	...	...	...
South Africa	16	17	18	21	17	18	16	16	...	...
<b>Africa</b>	<b>49</b>	<b>49</b>	<b>43</b>	<b>41</b>	<b>31</b>	<b>18</b>	<b>16</b>	<b>16</b>	<b>...</b>	<b>...</b>

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

**SEAMLESS TUBE PRODUCTION**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Iran	...	...	...	...	...	...	...	36	...	...
P.R. China	1,151	1,277	1,393	1,462	1,629	1,783	1,941	2,112	2,314	2,652
India	45	45	46	56	65	...	...	...	...	...
Japan	2,959	4,031	4,082	3,104	2,976	3,663	2,527	2,794	3,084	2,327
R.o.Korea	9	9	8	11	15	14	13	15	13	11
Malaysia (E)	22	...	...	...	...	...	...	...	...	...
<b>Asia</b>	<b>4,186</b>	<b>5,362</b>	<b>5,528</b>	<b>4,632</b>	<b>4,685</b>	<b>5,461</b>	<b>4,481</b>	<b>4,921</b>	<b>5,411</b>	<b>4,990</b>
Australia	...	...	...	...	...	...	...	...	71	...
<b>World</b>	<b>20,793</b>	<b>23,772</b>	<b>24,280</b>	<b>21,781</b>	<b>22,569</b>	<b>23,568</b>	<b>23,161</b>	<b>21,837</b>	<b>20,651</b>	<b>17,506</b>
of which:										
Total Industrial Cts.	8,323	10,726	10,961	8,353	8,820	10,343	8,974	8,586	8,513	6,410
Total Developing Cts.	967	1,163	1,247	1,121	1,210	1,235	1,284	1,240	1,412	1,162
Total Western World	9,290	11,889	12,208	9,474	10,029	11,578	10,258	9,826	9,925	7,572
Total C.P.E.s/E.i.T.s	11,503	11,883	12,071	12,307	12,540	11,990	12,903	12,011	10,727	9,934

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Shaded figures are not included in totals.

Totals include listed data only.

Table 32

## WELDED TUBE PRODUCTION

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	115	60	65	124	153	190	200	223	...	...
Denmark	...	...	65	62	61	67	63	69	70	...
France	1,021	1,097	1,111	1,151	990	1,010	1,066	927	969	...
F.R. Germany (1)	2,944	3,019	3,275	3,003	2,421	2,566	2,490	2,212	2,658	2,375
Italy	2,549	2,575	2,160	2,178	2,376	2,299	2,916	1,931	2,009	2,556
Luxembourg	147	146	144	123	133	135	111	107	128	134
Netherlands	270	290	300	310	315	325	360	375	353	...
Portugal	66	48	62	52	58	35	82	60	60	100
Spain	788	718	649	544	625	677	767	753	747	689
United Kingdom	831	931	904	874	968	1,114	1,123	1,090	899	900
<b>European Union</b>	<b>8,731</b>	<b>8,884</b>	<b>8,735</b>	<b>8,421</b>	<b>8,100</b>	<b>8,418</b>	<b>9,178</b>	<b>7,747</b>	<b>7,893</b>	<b>6,754</b>
Austria	237	260	244	232	270	338	322	338	300	310
Croatia	...	...	...	...	...	...	...	...	95	68
Cyprus	...	...	...	...	...	...	...	...	...	13
Finland	177	181	200	203	221	255	248	235	198	230
Norway	...	...	...	...	...	94	79	80	...	...
Slovenia	...	...	...	...	...	...	...	...	35	37
Sweden	75	84	87	81	84	94	79	87	83	80
Switzerland	...	...	...	...	...	220	...	...	...	...
Turkey	...	514	...	428	584	559	646	526	629	664
Yugoslavia	446	513	523	550	477	534	532	463	301	...
F.R. Yugoslavia	...	...	...	...	...	...	...	...	...	69
<b>Other Western Europe</b>	<b>935</b>	<b>1,552</b>	<b>1,054</b>	<b>1,494</b>	<b>1,636</b>	<b>2,094</b>	<b>1,906</b>	<b>1,729</b>	<b>1,511</b>	<b>1,471</b>
<b>Western Europe</b>	<b>9,666</b>	<b>10,436</b>	<b>9,789</b>	<b>9,915</b>	<b>9,736</b>	<b>10,512</b>	<b>11,084</b>	<b>9,476</b>	<b>9,404</b>	<b>8,225</b>
Bulgaria	211	224	215	218	221	224	271	156	63	57
Czechoslovakia	581	580	595	607	616	607	615	605	442	411
German Dem. Rep.	292	303	310	319	308	314	318	...	...	...
Hungary	97	104	107	112	124	112	97	71	47	52
Poland	546	554	582	574	576	569	520	267	267	273
Romania	641	648	687	656	530	...	...	559	344	190
<b>Eastern Europe</b>	<b>2,368</b>	<b>2,413</b>	<b>2,496</b>	<b>2,486</b>	<b>2,375</b>	<b>1,826</b>	<b>1,820</b>	<b>1,658</b>	<b>1,163</b>	<b>983</b>
<b>Europe</b>	<b>12,034</b>	<b>12,849</b>	<b>12,285</b>	<b>12,401</b>	<b>12,111</b>	<b>12,338</b>	<b>12,904</b>	<b>11,134</b>	<b>10,567</b>	<b>9,208</b>
Belarus	...	...	...	...	...	...	...	90	...	...
Kazakhstan	...	...	...	...	...	...	...	...	...	...
Russia	...	...	...	...	...	...	...	...	6,187	4,100
Ukraine	...	...	...	...	...	...	...	3,569	3,044	2,686
Uzbekistan	...	...	...	...	...	...	...	...	...	...
<b>C.I.S.</b>	...	...	...	...	...	...	...	<b>3,659</b>	<b>9,231</b>	<b>6,786</b>
<b>former U.S.S.R.</b>	<b>11,185</b>	<b>11,204</b>	<b>11,560</b>	<b>11,988</b>	<b>12,444</b>	<b>12,765</b>	<b>12,566</b>	<b>11,546</b>	<b>10,104</b>	<b>6,786</b>

**Table 32**  
(continued)

**WELDED TUBE PRODUCTION**  
thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
United States	2,095	2,377	2,200	1,792	2,222	2,645	2,379	2,804	2,698	2,568
Argentina	190	95	169	162	412	377	290	230	242	...
Brazil	485	762	710	820	619	633	647	505	514	...
Central America	6	7	6	8	10	8	6	4	4	...
Chile	0	0	0	10	10	24	21	11	24	...
Colombia	23	23	24	32	31	34	26	24	29	...
Cuba	1	0	0	1	2	2	0	0	0	...
Ecuador	17	0	0	0	17	3	0	0	0	...
Mexico	462	486	470	339	402	374	367	451	471	...
Peru	0	0	0	0	0	0	10	4	1	...
Uruguay	0	0	0	0	0	0	0	1	1	...
Venezuela	299	257	201	224	250	233	178	49	491	...
<b>Latin America</b>	<b>1,484</b>	<b>1,629</b>	<b>1,580</b>	<b>1,596</b>	<b>1,752</b>	<b>1,689</b>	<b>1,545</b>	<b>1,279</b>	<b>1,777</b>	...
Algeria	190	212	201	200	140	...	...	...	...	...
Egypt	...	...	99	...	...	...	...	...	...	...
South Africa	410	415	487	475	443	589	540	520	450	...
Other Africa (E)	...	...	37	35	35	...	...	...	...	...
<b>Africa</b>	<b>600</b>	<b>627</b>	<b>824</b>	<b>710</b>	<b>618</b>	<b>589</b>	<b>540</b>	<b>520</b>	<b>450</b>	...
Iran	...	...	...	...	...	...	...	10	...	...
Other Middle East (E)	...	...	143	70	17	16	30	...	...	...
<b>Middle East</b>	...	...	<b>143</b>	<b>70</b>	<b>17</b>	<b>16</b>	<b>30</b>	<b>10</b>	...	...
P.R. China	1,595	1,721	1,813	2,292	2,448	2,242	2,142	2,208	2,616	3,184
India	800	850	847	854	860	...	...	...	...	...
Japan	6,778	7,488	8,142	7,412	6,710	7,368	7,509	7,733	7,803	7,176
R.o.Korea	1,657	1,863	1,874	1,651	1,868	2,097	2,398	2,642	2,854	2,532
Malaysia (E)	210	214	185	174	201	253	...	...	...	...
Singapore	60	50	50	50	50	50	50	...	45	12
Taiwan (R.o.C.)	503	402	327	410	428	507	525	786	864	862
<b>Asia</b>	<b>11,603</b>	<b>12,588</b>	<b>13,238</b>	<b>12,843</b>	<b>12,565</b>	<b>12,517</b>	<b>12,624</b>	<b>13,369</b>	<b>14,182</b>	<b>13,767</b>
Australia	468	462	...	...	468	...	...	...	...	...
New Zealand	43	31	35	34	20	29	43	32	...	...
<b>Oceania</b>	<b>510</b>	<b>492</b>	<b>35</b>	<b>34</b>	<b>488</b>	<b>29</b>	<b>43</b>	<b>32</b>	...	...
<b>World</b>	<b>39,511</b>	<b>41,766</b>	<b>41,865</b>	<b>41,434</b>	<b>42,217</b>	<b>42,588</b>	<b>42,631</b>	<b>40,695</b>	<b>39,777</b>	<b>32,329</b>
of which:										
Total Industrial Cts.	19,459	21,208	20,654	19,628	19,599	21,143	21,555	20,565	20,355	17,969
Total Developing Cts.	4,903	5,220	5,343	5,039	5,349	4,610	4,548	4,717	5,540	3,406
Total Western World	24,362	26,428	25,996	24,667	24,948	25,753	26,103	25,282	25,895	21,375
Total C.P.E.s/E.i.T.s	15,149	15,338	15,869	16,767	17,269	16,835	16,528	15,412	13,883	10,953

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

Shaded figures are not included in totals.

Totals include listed data only.

Table 33

## STAINLESS STEEL PRODUCTION

thousand metric tons

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Belgium	133	148	160	165	182	264	326	372	...	445
France	545	651	579	626	725	790	729	799	...	...
F.R. Germany (1)	782	920	856	940	1,001	1,232	1,218	1,100	1,202	1,206
Italy	444	521	519	541	550	635	619	575	610	649
Spain	198	284	271	274	310	426	366	458	456	...
United Kingdom	253	285	309	321	418	453	405	413	395	406
<b>European Union</b>	<b>2,355</b>	<b>2,809</b>	<b>2,694</b>	<b>2,867</b>	<b>3,186</b>	<b>3,799</b>	<b>3,664</b>	<b>3,717</b>	<b>2,663</b>	<b>2,706</b>
Austria	68	78	68	48	54	67	64	49	36	...
Finland	123	158	176	173	189	206	192	226	...	...
Sweden	371	442	435	435	457	482	457	471	429	484
Turkey	49	32	25	294	286	226	283	209	317	...
<b>Other Western Europe</b>	<b>611</b>	<b>710</b>	<b>704</b>	<b>950</b>	<b>986</b>	<b>981</b>	<b>996</b>	<b>955</b>	<b>782</b>	<b>484</b>
<b>Western Europe</b>	<b>2,966</b>	<b>3,519</b>	<b>3,398</b>	<b>3,817</b>	<b>4,172</b>	<b>4,780</b>	<b>4,660</b>	<b>4,672</b>	<b>3,445</b>	<b>3,190</b>
Czechoslovakia	114	118	123	128	127	130	...	...	67	...
German Dem. Rep.	...	...	...	60	60	60	60	36	...	...
Hungary	3	3	4	4	3	3	1	1	...	...
Poland	...	...	...	207	217	207	173	96	41	25
Romania	...	...	...	...	...	...	...	51	...	5
<b>Eastern Europe</b>	<b>117</b>	<b>122</b>	<b>127</b>	<b>399</b>	<b>407</b>	<b>400</b>	<b>234</b>	<b>184</b>	<b>108</b>	<b>30</b>
<b>Europe</b>	<b>3,083</b>	<b>3,641</b>	<b>3,525</b>	<b>4,216</b>	<b>4,579</b>	<b>5,180</b>	<b>4,894</b>	<b>4,856</b>	<b>3,553</b>	<b>3,220</b>
Ukraine	...	...	...	...	...	...	...	31	27	...
<b>former U.S.S.R.</b>	<b>1,954</b>	<b>2,033</b>	<b>2,110</b>	<b>2,180</b>	<b>1,690</b>	<b>1,768</b>	<b>1,763</b>	<b>1,701</b>	...	...
Canada	...	...	...	...	...	127	...	...	...	...
United States	1,588	1,608	1,527	1,532	1,840	1,995	1,747	1,848	1,708	1,813
<b>North America</b>	<b>1,588</b>	<b>1,608</b>	<b>1,527</b>	<b>1,532</b>	<b>1,840</b>	<b>2,122</b>	<b>1,747</b>	<b>1,848</b>	<b>1,708</b>	<b>1,813</b>
Brazil	74	88	105	116	141	138	144	137	139	150
Mexico (2)	9	29	28	33	41	40	36	63	66	...
<b>Latin America</b>	<b>83</b>	<b>117</b>	<b>133</b>	<b>149</b>	<b>182</b>	<b>178</b>	<b>180</b>	<b>200</b>	<b>205</b>	<b>150</b>
South Africa	43	70	88	80	99	101	104	93	...	...
India	110	65	74	100	126	134	132	169	...	...
Japan	2,230	2,595	2,638	2,570	2,722	3,160	3,134	3,130	...	...
R.o.Korea	...	...	...	...	259	280	365	629	781	914
Taiwan (R.o.C.)	5	34	41	76	101	127	114	130	...	...
<b>Asia</b>	<b>2,345</b>	<b>2,693</b>	<b>2,752</b>	<b>2,746</b>	<b>3,208</b>	<b>3,700</b>	<b>3,745</b>	<b>4,058</b>	<b>781</b>	<b>914</b>
Australia	28	39	38	41	44	35 ceased production				
<b>World</b>	<b>9,124</b>	<b>10,200</b>	<b>10,173</b>	<b>10,944</b>	<b>11,642</b>	<b>13,084</b>	<b>12,434</b>	<b>12,756</b>	<b>6,247</b>	<b>6,098</b>
of which:										
Total Industrial Cts.	6,855	7,830	7,689	8,040	8,877	10,198	9,645	9,743	5,153	5,003
Total Developing Cts.	198	215	247	325	669	718	791	1,128	986	1,064
Total Western World	7,053	8,045	7,937	8,365	9,545	10,916	10,436	10,870	6,139	6,068
Total C.P.E.s/E.i.T.s	2,071	2,155	2,237	2,579	2,097	2,168	1,997	1,885	108	30

E - estimate

(1) - former G.D.R. included in F.R. Germany 1991 and 1992.

(2) - finished products.

Shaded figures are not included in totals.

Totals include listed data only.

## EXPLANATORY NOTES

### Production (Tables 1 to 3)

Crude Steel Production is defined as the total output of usable ingots, continuously cast semi-finished products, and liquid steel for castings.

### Deliveries (Tables 6 and 6A)

The figures show the total deliveries of the domestic steel industry, to both home and export markets. Due to differences in national statistical systems, the various countries report different ranges of steel products. Consequently these 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 (Tables 7 to 9)

Trade figures are based on a broad definition of steel industry products, including ingots and semi-finished products; hot rolled and cold finished products; tubes; single strand wire; wheels, tyres and axles; and unworked castings and forgings where reported. Trade within the European Community, and within the Council for Mutual Economic Assistance (CMEA, also known as COMECON), is included. The imports of many developing nations for the most recent years have been estimated from the destinations declared by steel exporters.

### Consumption (Tables 10 to 12)

Apparent consumption of crude steel was developed as Production+Imports-Exports. The production figures were taken from Table 2; exports and imports from Tables 7 and 8 were converted into crude steel equivalent by using a factor of  $1.3/(1+0.175c)$ , where  $c$  is the domestic proportion of crude steel which is continuously cast. This adjustment was made to avoid distortion of the export or import share relative to domestic production. For countries where imports predominate, average continuous casting shares of the major exporters were used. For some countries, marked (D) in the table, calculations made by national statistical authorities were used in preference to this standard methodology. Particularly in the case of Taiwan (R.O.C), a significant amount of steel products is obtained from the re-rolling of secondary material.

The finished steel figures, other than those marked (D), were calculated by multiplying crude steel production by  $(1+0.175c)/1.3$ , where  $c$  is the continuous cast share of domestic output, no account of the re-rolling of secondary material, inventory changes within the industry, or yield differences. For the countries marked (D), calculations made by the national statistical authorities replaced this standard methodology. Such calculations are based on deliveries rather than production, and incorporate methods to avoid the double counting of deliveries or imports which are further worked within the steel industry. Data for countries marked (I) were provided by ILAFA.

### Sources

In addition to information supplied by IISI's own respondents from within its membership, data has been obtained from the publications of the United Kingdom Iron and Steel Statistics Bureau (UK ISSB), the Instituto Latinoamericano del Fierro y el Acero (ILAFA), the Instituto Brasileiro de Siderurgia (IBS), the South East Asian Iron and Steel Institute (SEAISI), Eurostat, the International Monetary Fund (IMF), the Organisation for Economic Co-operation and Development (OECD), the United Nations Conference on Trade and Development (UNCTAD), the UNCTAD Trust Fund Project on Iron Ore Information, and the United Nations Economic Commission for Europe. The Secretariat would also like to express its gratitude to the following for their invaluable assistance:-

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Czech and Slovak Federal Republic  
Hong Kong  
Hungary  
Poland  
Thailand  
USSR  
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US Bureau of Mines

**Industrialised Countries comprise:**

European Union (12)

Austria

Cyprus

Finland

Iceland

Norway

Sweden

Switzerland

Turkey

former Yugoslavia

Canada

United States

Japan

Australia

New Zealand

South Africa

**Developing Countries comprise:**

Latin America and the Caribbean (except Cuba)

Africa (except South Africa)

Middle East

Asia (except Japan, P.R. China, D.P.R. Korea, and Viet Nam)

**Western World comprise:**

Industrialised Countries

Latin America and the Caribbean (except Cuba)

Africa

Middle East

Asia (except P.R. China, D.P.R. Korea, and Viet Nam)

**Centrally Planned Economies/**

**Economies in Transition comprise:**

Albania

Bulgaria

former Czechoslovakia

former German Democratic Republic

Hungary

Poland

Romania

former U.S.S.R.

Cuba

P.R. China

D.P.R. Korea

Viet Nam





### **International Iron and Steel Institute**

Founded in 1967, the International Iron and Steel Institute (IISI) is a non-profit research organisation whose members are steel companies, national steel federations and steel research associations in 50 countries. Together these 50 countries produced over 98 percent of 1992 World crude steel production of market-based economies. 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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