

Manufacturing Production Australia

Metal Products

December 1993 - February 1994

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MANUFACTURING PRODUCTION, AUSTRALIA

METAL PRODUCTS DECEMBER 1993 - FEBRUARY 1994

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INQUIRIES

[•] For further information about statistics in this publication and the availability of related unpublished statistics, contact Rod Smith on Melbourne (03) 615 7635 or any ABS Office.

[•] for information about other ABS statistics and services please refer to the back page of this publication.



TABLE 1. FERROUS METALS ('000 tonnes)

							Blooms and stabs			
	Basic iron, spiegeleisen and sponge iron(671.01)			Iron and steel in ingots or other primary forms(a)(672.40)				From rolling and forging(b)(672.04)		
Period	Original	Seasonally adjusted(c)	Trend(d)	Original	Seasonally adjusted(c)	Trend(d)	continuous casting (672.03)	Original	Seasonally adjusted(c)	Trend(d)
1990-91 1991-92 1992-93	5,600 6,394 6,445	· · · · · · · · · · · · · · · · · · ·		6,219 6,338 6,806	• • • • • • • • • • • • • • • • • • • •		4,620 5,205 6,218	2,521 2,485 2,246		.,
1992 — December	500	476	502	542	535	550	494	160	157	191
1993 — January February March April May June July August September October November December	531 466 526 550 587 568 572 588 574 613 600 591	525 526 554 578 631 614 540 552 550 577 566 559	516 537 561 580 589 587 577 r 566 r 558 558 s 558	582 525 585 562 639 613 604 613 625 654 638	565 592 589 598 672 641 565 573 597 628 645	566 585 603 615 618 613 606 603 604 610 r 620 628	545 493 550 533 636 613 604 613 625 654 638	179 161 174 171 150 143 133 138 139 137 137	186 184 168 174 158 146 123 126 130 130 151	185 179 172 164 154 136 132 r 130 r 129 r 129 128
1994 — January February	582 556	575 628	587 596	613 590	607 651	634 637	613 590	92 129	97 147	128 127
1992-93: July to Feb. 1993-94: July to Feb.	4,214 4,678			4,407 4,974			3,887 4,974	1,608 1,031	• •	

⁽a) Includes ingots, puddled bars, pilings, blocks or lumps and steel in the molten state. There is a break in the series as statistics after July 1991 exclude a small proportion of total production, due to the withdrawal of consent for the ABS to release the information. (b) From rolling and forging of iron and steel (primary mills output). (c) See paragraph 5, Explanatory Notes. (d) See paragraph 6 to 8, Explanatory Notes.

TABLE 2. STEEL WIRE AND WIRE PRODUCTS (tonnes)

Period	Ferrous welded wire fabric(a) (693.54,55)	Nails, tacks, drawing pins etc(b) (694.10)	Sieel wooi (697.73)
1990-91 1991-92 1992-93	253,789 254,302 272,600	19,951 20,361 20,762	1,233 1,129 1,192
1991— March qır June qır September qır December qır	56,240 53,246 65,051 62,980	4,424 4,052 4,891 5,465	307 324 327 279
1992— March qtr June qtr September qtr December qtr	60,127 66,144 66,794 66,796	5,112 4,893 5,259 5,254	281 242 304 299
1993— March qtr June qtr September qtr December qtr	65,858 73,152 72,796 71,966	5,020 5,229 6,034 5,835	273 316 301 314
1992-93: July to Dec. 1993-94: July to Dec.	133,590 144,762	10,513 11,869	603 614

⁽a) Includes welded reinforcing steel mesh. (b) Includes staples (except in strips for office, upholstery or packaging), spiked clamps, studs and spikes. Excludes with heads of copper.

TABLE 3. IRON AND STEEL PIPES AND TUBES (tonnes)

	Tube or pipe fittings, of iron or steel						
Period	Cast iron tubes, pipes and hollow profiles (679.11)	Non- malleable Cast Iron (679.51)	Other (679.57.58.61)				
1990-91 1991-92 1992-93	71,397 70,335 r 67,149	7,550 6,465 r 5,976	3,971 3,950 3,968				
1992 — December	4,668	423	302				
1993 — January February March April May June July August Seguent October November December	1,620 r 5,474 6,451 4,221 6,575 7,304 7,186 6,246 7,602 r 5,538 r 6,677 5,138	241 r 516 585 398 509 515 481 398 572 564 457 335	198 336 373 327 332 439 348 330 376 315 350				
1994 January February	1,744 5,994	38 183	182 352				
1992-93; July to Feb. 1993-94; July to Feb.	42,598 46, 12 5	3,969 3,028	2,497 2,580				

TABLE 4. NON-FERROUS ROLLED EXTRUDED AND DRAWN PRODUCTS (tonnes)

			Copper and alloy						
	Aluminium a	and alloy		Bars, rods sections		Wire rod			
Period	Bars, rods and profiles(a) (684.21)	Other(b) (684.24,28)	Brass (682.31,32)		Other (682.38,39)	and profiles (682.37)		Wire(c) (682.43)	Lead and alloy(d) (685.23)
1990-91 1991-92 1992-93	92,473 95,224 103,448	194,213 201,166 r 213,841	17,738 20,750 20,384		n.p. n.p. n.p.	n.p. n.p. n.p.		20,067 13,695 9,417	3,217 2,955 3,512
1992 — December	7,505	r 17,588	1,607	- -	n.p.	n.p.		836	307
1993 — January February March April May June July August September October November December	5,385 8,829 10,992 8,559 9,509 8,150 8,851 9,236 r 10,615 r 9,778 r 11,180 8,779	14,194 17,447 19,539 17,788 19,221 18,946 19,332 18,289 r 18,549 r 17,446 r 18,080 18,912	1,787 1,683	11,825 11,639 13,318 11,153 12,576	п.р. п.р. п.р. п.р. п.р.	u.p. n.p. n.p. n.p. n.p.	2,320 2,319 2,709 2,388 2,354 2,033	290 868 629 839 1,028 1,015	143 309 325 331 401 309 371 375 293 162 206
1994 — January February	6,282 9,662	16,778 18,399			π.p. π.p.		1,365 2,670		95 163
1992-93: July to Feb. 1993-94: July to Feb.	66,238 74,383	138,347 145,785			n.p. n.p.	n.p.	18,158	5,906	2,146 1,908

⁽a) Includes wire rod. (b) Includes foil of a thickness (excluding any backing) not exceeding 0.20mm. (c) Excludes if stranded, braided or insulated. (d) Includes tin-coated lead. Excludes foil.

TABLE 5. NON-FERROUS REFINED METALS(a)

	•					
Period	Copper(b)	Lead(c)	Tin(b)	Zinc(b)	Silver	Gcld(d)
	'000 tonnes	'000 tonnes	tonnes	'000 tonnes	tonnes	kg
1990-91	237	220	321	321	408	255,318
1991-92	276	215	248	325	382	281,835
1992-93	312	r 225	258	332	355	288,188
<i>1991</i> —						
March qtr	47	42	77	79	86	57,304
June qtr	65	59	71	. 84	108	67,937
September qur	68	59 61	ŚĨ	. 79	94	66,568
December qur	72	58	69	82	100	69,831
			•,		100	07,031
1992—						
March qtr	. 66	32	61	76	66	73,073
June gtr	71	. 64	67	88	122	72,363
September qu	84	59	67 75	87	105	75,608
December qtr	82	56	37	82	95 87	69,505
•			5.		٠, ,	. 0,20
1993— Marakana	71	47	70	71.	00	
March qtr		47	73	76	80	69,676
June qu	. 75	62	73	88	93	73,399
September ou	84 79	r 51	13	73	<u>85</u>	77,738
December qtr	79	61	63	53	87	71,258
1992-93: July to Dec.	. 166	115	112	169	182	146 110
1993-94: July to Dec.	163	112	76	126	172	145,113
1775-74. July 10 Dec.	103	112	. 70	140	172	148,996

⁽a) Comprises production by establishments classified to either the Manufacturing or Mining Sectors. Source: ABARE. (b) Primary origin only. (c) Includes lead content of lead from primary sources.

EXPLANATORY NOTES

Introduction

This publication is one of a series of ten containing monthly and quarterly production statistics. The titles of the other publications of this series are shown in paragraph to

Classification

2. Data contained in these publications are mostly based on monthly or quarterly collections conducted by the Australian Bureau of Statistics (ABS). Most items are identified by the commodity codes used in the Australian Standard Commodity Classification (ASCC), which was developed by the ABS to facilitate greater comparability of manufacturing production commodity statistics with import and export commodity statistics.

Scope and coverage

- 3. Manufacturing commodity statistics collected by the ABS exclude details relating to single establishment manufacturing enterprises with fewer than four persons employed and production of establishments predominantly engaged in non-manufacturing activities but which may carry on, in a minor way, some manufacturing. However, except for a few commodities, the effect on production levels and movements is marginal.
- 4. Annual figures shown in this publication are derived by aggregating monthly/quarterly production and relate to production during the year ended 30 June. They may differ from annual manufacturing census data which relate to the census year and, in the case of businesses unable to report on a June year basis, include details in respect of substitute accounting periods.

Seasonal adjustment and trend estimates

- 5. This publication contains seasonally adjusted statistics of several items. In the seasonal adjustment, account has been taken not only of normal seasonal factors, but also, where appropriate, of 'working-day' effects (arising from the varying numbers of Sundays, Mondays, Tuesdays, etc. in the month) and the influence of Easter and Australia Day which may, in successive years, affect figures for different months. However, care should be exercised in interpreting the figures for those months in which Christmas/New Year and Easter holidays fall as some manufacturers vary holiday shutdowns in the light of prevailing demand for their products. Details of the methods used in seasonally adjusting these and other series are available on request.
- 6. The smoothing of seasonally adjusted series to create trend estimates is a means of reducing the impact of the irregular component of the series. The trend estimates have been derived by applying a 13-term Henderson weighted moving average to the seasonally adjusted series.
- 7. While this smoothing technique enables estimates of trend to be produced for the latest month, it does result in revisions to the estimates for the most recent months as dam for subsequent months become available. Generally subsequent revisions become smaller and after 3 months have little impact on the series. There will also be revisions as a result of revisions to the original estimates and annual reviews of seasonal and 'working day' factors.

- 8. Because of the highly irregular nature of some production series it is not possible to discern with reasonable confidence the current direction of the trend at the end of these series. For such highly irregular series the ABS does not provide the last two trend estimates.
- 9. Users may wish to refer to the ABS Information Papers A Guide to Smoothing Time Series Estimates of 'Trend' (1316.0) and Time Series Decomposition An Overview (1317.0) for more detailed information on smoothing of seasonally adjusted time series data.

Related publications

10. Other ABS publications which may be of interest are:

Manufacturing Production, Australia, Preliminary (8301.0) — issued monthly

Manufacturing Production, Australia, Household Appliances and Electrical Equipment (8357.0) — issued quarterly

Manufacturing Production, Australia, Clothing and Footwear (8358.0) — issued quarterly

Manufacturing Production, Australia, Food, Drink, Tobacco, Stock and Poultry Food (8359.0) — issued quarterly

Manufacturing Production, Australia, Fibres, Yarns Fabrics, Bedding and Floor Coverings (8360.0) — issued quarterly

Manufacturing Production, Australia, Building Materials and Fittings (8361.0) — issued quarterly

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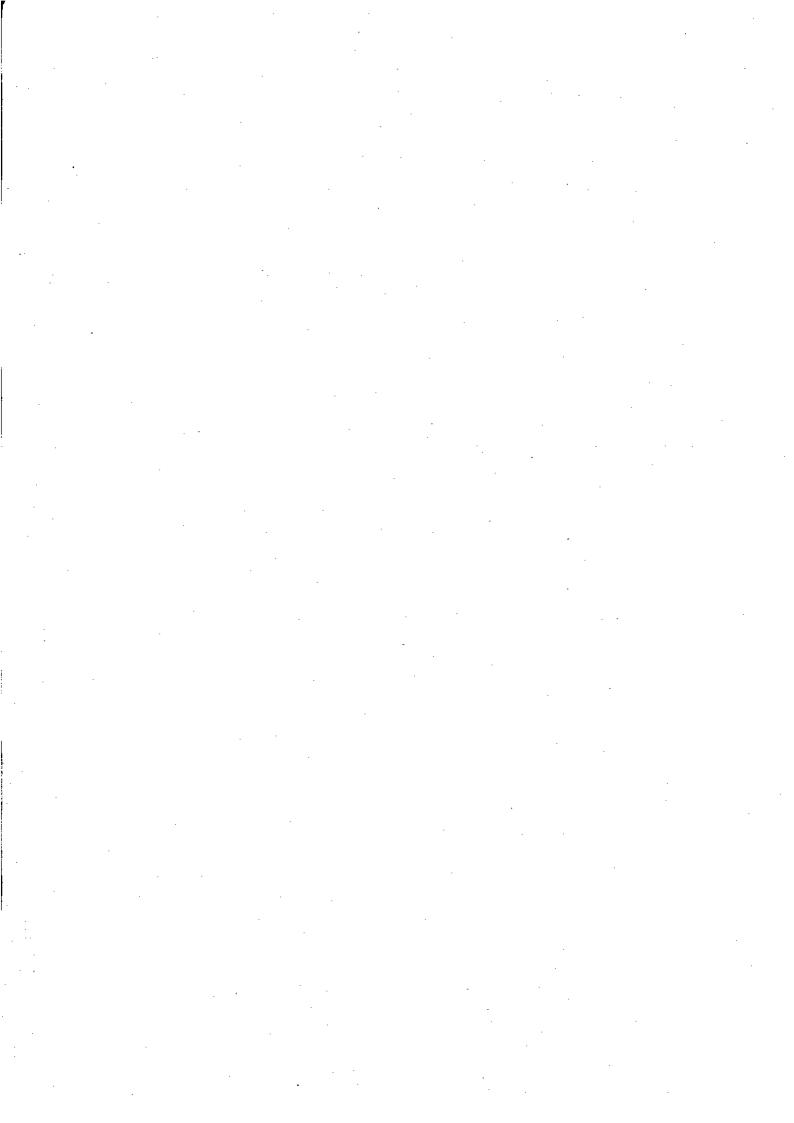
Manufacturing Production, Australia: Principal Commodities Produced, 1989-90 (8365.0).

Unpublished production data is also available from the ABS Sydney office. Please contact Colin Nicholson on (02) 268 4282.

11. Current publications produced by the ABS are listed in the Catalogue of Publications and Products, Australia (1101.0). The ABS also issues, on Tuesdays and Fridays, a Publications Advice (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available for any ABS office.

Symbols and other usages

- n.p. not available for separate publication (but included in totals where applicable)
- n,a. not available, not applicable
 - r revised since previous issue
 - nil or rounded to zero
- break in continuity of series (where a line is shown between consecutive figures in the same column)





For more information

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