

REPORT N° 9  
(AUSTRALIA)

APPENDIX 3

COMPARISON OF THE MATERIALS  
LISTED IN THE EMERGENCY DATA SHEETS  
FOR AIRCRAFT MODEL Ki 74  
OF APPENDIX 2 TO REPORT N° 6 WITH  
BRITISH & AMERICAN SPECIFICATIONS

CLASSIFICATION AND CODE NUMBER	NAME	LIMITING SECTIONAL DIMENSION	TENSILE STRENGTH TONS PER SQ. IN.	0.2% PROOF STRESS TONS PER SQ. IN.	ELONGATION IN 2 IN. %	BRITISH AND/OR AMERICAN PAGE 3 CHART 1	
						OVERALL	CHEMICAL
1003	.35 CARBON STEEL	"	AS DETAILED	FOR TS 1402	—	—	—
1004	.45 " "	"	AS DETAILED	FOR TS 1402	—	—	—
1232 Z	75 KILOGRAM SILICON MANGANESE - CHROME SPECIAL	1 1/16 NOM	60.30	134,700	47.60	106,300	13
1233 A	85 KILOGRAM SILICON MANGANESE - CHROME SPECIAL	1 1/8 NOM	73.00	163,000	60.30	134,700	12
1106	CASE-HARSHENED " "	"	AS DETAILED	FOR TS 1402	—	—	—
1101	.15 CARBON STEEL	"	24.42	54,100	—	—	—
6232Z	SILICON MANGANESE - CHROME STEEL	"	60.30	134,700	—	—	—
6521	CARBON STEEL FOR SPRINGS	"	AS DETAILED	FOR TS 1403	—	—	—
6531	TINPLATE	"	AS DETAILED	FOR TS 1403	—	—	—
11002	25 CARBON STEEL (SEAMLESS)	"	31.90	76,900	29.80	66,500	D.T.D. 501 S
6002P	" (WELDED DRAWN)	"	27.90	62,100	15.68	35,570	D.T.D. 501 WQ
1232 Z	SILICON MANGANESE CHROMESTEEL	"	60.30	134,700	—	8	—
1001	RIVET WIRE	"	22.23-28.50	93,800-63,700	—	—	26 B.S.S. 1052
541	CARBON STEL WIRE FOR SPRINGS	"	—	—	—	—	D.T.D. 5
7232	SILICON MANGANESE - CHROME STEEL	"	47.60	106,300	38.10	85,000	15
—	MALLEABLE CAST IRON	"	20.30	45,400	—	—	8 B.S.S. 310
	TYPE No 1	"	—	—	—	—	—
	TYPE No 2 DOUBLE THRUST SPECIAL STEEL CABLE	"	—	—	—	W2	—



CLASSIFICATION AND CODE NUMBER	NAME	LIMITING SECTIONAL DIMENSION	TENSILE STRENGTH IN POUNDS PER SQ IN	0.2% PROOF STRESS IN POUNDS PER SQ IN	ELONGATION IN %	BRITISH AND/OR AMERICAN SPECIFICATION EQUIVALENT		PAGE 4, CONT
						CHART B PART 1 & 2	OVERALL CHEMICAL PHYSICAL	
D 7072	DUCTILE ALUMINUM CASTING	—	—	—	—	—	—	—
D 7072	"	—	8.89	18.920	—	—	—	—
D 7072	CAST	—	—	—	—	—	—	—
C 55111	ALUMINUM WIRE FOR TINNERS	—	—	—	—	—	—	—
M 101	ALUMINUM ALLOY ALLOYS	—	9.52	21.330	3.18	7.120	2.7	—
M 101	2.00 GRADE	—	—	—	—	—	—	—
M 101	ALUMINUM ALLOY FOR RIVETS	—	—	—	—	—	—	—
M 101	AS DETAILED	—	—	—	—	15.1005	—	—
M 101	AS DETAILED	—	—	—	—	15.1005	—	—
M 101	1.00 GRADE	—	—	—	—	—	—	—
ALUMINUM ALLOY								

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CLASSIFICATION AND CODE NUMBER	NAME	LIMITING SECTIONAL DIMENSION	TENSILE STRENGTH	0.2% PROOF STRESS	ELONGATION IN 2 %	BRITISH AND/OR AMERICAN SPECIFICATION EQUIVALENT		PAGE 5 CHART III
						TONS PER SQ IN	POUNDS PER SQ IN	
AS 100	COUPPER BAR	AS	DETAILED	FOR	151402			
AS 101	SHELL (C. HARD)	AS	DETAILED	TOP	TS1A03			
AS 102	TUBE (SILVER) (S)	AS	DETAILED	TOP	151404			
AS 103	WIRE (ANN ALD)	>26.506	17.75	39.850		20	BS5128	
AS 104	12 SWG 17.15		38.400			25	BS5128	
AS 105	14 SWG 16.50		36.970			30	BS5128	
AS 106	16 WA 15.98		35.600			35	BS5128	
AS 107	NAVAL BRASS BAR	AS	DETAILED	FOR	151402			
AS 108	BROSS (COPPER TIN BRASS)	AS	DETAILED	FOR	151403			
AS 109	TABLE FOR RADIADES	AS	DETAILED	FOR	151404			
AS 110	PHOSPHOR BRONZE BAR (GRAD 1)	AS	DETAILED	FOR	151402			
AS 111	1092 ALUMINIUM	1. NOM	4.60	106.300		12		DR 197
AS 112		2. NOM	4.240	98.100		10		DR 197
AS 113	MONEL	AS	DETAILED	FOR	151404			
AS 114	NIKE	AS	120.200					
AS 115	SPECIAL SUGCON BRONZE	AS	DETAILED	FOR	151405			
AS 116	CASTING							
AS 117	HEAVY DUTY SCREWING							
AS 118	STUD							

This page contains tables of mechanical properties for various materials. It includes tables for brasses, bronzes, and other alloys, as well as specific tables for phosphor bronze, copper, and aluminum. The tables provide information on tensile strength, proof stress, elongation, and chemical composition. The tables are organized by material type and include detailed descriptions of each entry.



