BRITISH STANDARD SPECIFICATIONS FOR AIRCRAFT MATERIALS AND COMPONENTS.

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A. Bolts, etc. F. Fabric, etc.—Continued. Hexagonal Headed Bolts (Low Tensile Steel). Test Pieces (Tensile, Bend and Notched Bar). Magneto Couplings and Engine Mountings. Hexagonal Brass Nuts Add* Hexagonal Headed Bolts (High Tensile Steel). Hexagonal Steel Nuts (Ordinary, Thin, Slotted and Castle). Machined Hexagonal Headed Bolts (Aluminium Allov). 6 A 1. 2 A 4. A 9. ** A 14. 2 A 15. ** A 16. 2 F 38. 2 F 41. 3 F 45. 3 F 47. F 49. 18 oz. Flax Canvas. Rubber-Proofed Fabric. Rubber Hose for use with Hot Water. Rubber Hose for use with Hot Water. Cotton Tapes. Cotton Webbing. Eyeleted Fuselage Webbing. Light Elastic Cord for Parachutes, W/T Instruments and Aerial Suspensions. Linen Reinforcement Webbing. Parachute Main Harness Webbing. Flax Sewing Cord for Parachute Harness. Cotton Duck (Dyed) for Cases and Travelling Bags for Parachutes. 3 F 3 F 51. Alloy). Machined Hexagonal Nuts (Aluminium Alloy). Serrations and Gauges for Serrations. "Not Go" Gauges and "Go" Calliper Gauges for Serrations. Spline Shafts and Holes. F 52. F 53. F 54. A 19. A 19, Part 2. 2 F 55. for Parachutes. Transparent Sheets for Observation Panels. A 20. F 57 Scoured Cotton Fabrics. B. Brass, Copper, etc †2 B 8. Phosphor Bronze Castings for Bearings. (Includes Solid and Cored Sticks) ... Add* (A.S. No. (E)D.701—1940). †3 B 11. Brass Bars suitable to be Brazed or Silver Soldered. Add* K. Cast Iron. 4 K 6. Cast Iron Piston Ring Pots. 2 K 11. Iron Castings for Cylinders (Water-Cooled and Air-Cooled), Pistons and Valve Guides. Bearings). 2 B 22. White Metal (92/4/4) Ingots. (Suitable for L. Aluminium and Light Alloys. †6 L 1. Aluminium Alloy Bars, Extruded Sections and Forgings (not greater than 3 inches diameter or minor sectional dimension.) †5 L 3. Aluminium Alloy Sheets and Coils. (A.S. No. (E)D.628—1940). †2 L 4 Aluminium Sheets (Hard) Bearings). D. Dope and Ingredients. (A.S. No. (E)D.628—1940). †2 L 4. Aluminium Sheets (Hard). (A.S. No. (E)D.625—1940). 3 L 5. Aluminium-Zinc-Copper Alloy Castings. 3 L 8. 12% Copper-Aluminium Alloy Castings. †4 L 11. 7/1 Aluminium Alloy Castings. (A.S. No. (E)D.608—1940). †2 L 16. Aluminium Sheets (Half hard). (A.S. No. (E)D.626—1940). †2 L 17. Aluminium Sheets (Soft). (A.S. No. (E)D.627—1940). †2 L 24. "Y" Aluminium Alloy Castings. (A.S. No. (E)D.627—1940). 4 L 25. Aluminium Alloy Forgings (including Pistons and Cylinder Heads). 2 L 30. 98% Aluminium Notched Bars and Ingots. 3 L 31. 99% Aluminium Notched Bars and Ingots for Remelting. Methyl Ethyl Ketone. Methyl Ethyl Recone. Amyl Acetate. Butyl Acetate. Castor Oil (for Nitro Dope Coverings). Benzyl Alcohol. Nitro-cellulose Syrup. 3 D 3 D 4. 3 D 3 D 2 D 3 D 3 D 2 D 3 D 2 D 3 D 2 D 9. Alcohol. 10. Benzol. Triacetin. Triphenyl Phosphate. Distillation Apparatus. Butyl Alcohol. 11. 12. 15. 17. 3 D Acetone. Yellow Ochre. 22 26. D Zinc Oxide ... Red Oxide of Iron 2 2 2 2 27. Add * 28. Add.* D Identification Red Carbon Black ... Add.* 29. ... Remelting. Remelting. L 33. Silicon Aluminium Alloy Castings. (A.S. No. (E)D.610—1940). L 34. 99% Aluminium Bars and Sections. (A.S. No. (E)D.620—1940). L 35. "Y" Aluminium Alloy Castings (Heat Treated). (A.S. No. (E)D.611—1940). Add.* 30. † L 33. 2 D 2 D Ultramarine Blue Aluminium Powder. 31. Add.* 32. Ethylene Glycol. Cellulose Acetate. Properties of Aeroplane Doping Scheme. 34. D 50. 2 D 101. L 36. Aluminium Rivets. (A.S. No. (E)D.632-1940). E. Electrical. 2 L 37. Aluminium Alloy Rivets. (A.S. No. (E)D.633—1940). 2 L 38. Aluminium Coated Aluminium Alloy Sheets and †2 L 37. Tension Flexible Electric Cords 4 E 3. Low Cables Sparking Plugs and Sparking Plug Holes, Taps and Washers. Coils. Aluminium Alloy Bars and Forgings (greater than 3 inches diameter or width across flats or minor sectional dimension). 3 E 12. Electric Incandescent Lamps for Aircraft, other than Landing Lamps Add.* E 18. Electric Incandescent Lamps for Aircraft, Landing sectional dimension). (A.S. No. (E)D.642—1941). †2 L 40. Aluminium Alloy Bars, Extruded Sections and Forgings (not greater than 3 inches diameter or minor sectional dimension). (A.S. No. (E)D.621—1940). 2 L 42. Aluminium Alloy Forgings (including Pistons and Cylinder Heads). † L 44. Soft Aluminium Alloy Extruded Bars and Sections (not greater than 3 inches diameter or minor sectional dimension). Lamps. F. Fabric, etc. 4 oz. Linen Fabric and Tape Add.* Rubber Hose for use with Aviation Fuel Add* Mercerised Cotton Aeroplane Fabric (Grade I). Hemp Lines and Ropes for Kite Balloons Add.* Rubber Shock Absorber Cord. Cotton Breaking Cord for Supplies Droppers. Hemp Cordage for Supplies Droppers Add.* Hemp Cordage Add.* Flexible Cotton Ropes. Linen Sewing Thread. Flax Cordage. 18 oz. Cotton Canvas. 6 F 5 F 4 F 4 F 3 F sectional dimension). (A.S. No. (E)D.622—1940). † L 45. Aluminium Alloy Bars and Forgings (greater than 3 inches diameter across flats or minor sectional 15. 16. 30. 31.

*Note.—" Add." signifies that an Addendum, Corrigendum or Revision slip is issued with this Standard. †Reprinted without amendment as an Australian Emergency Standard. (Price 1/- each, post free 1/2).

L 46. L 47.

dimension).

Coils.

32. 33.

34. 35.

18 oz. Cotton Canvas.

F

**Also reprinted with amendment as an Australian Emergency Standard. (See List of Australian Emergency Standards).

(A.S. No. (E)D.623-1940).

Soft Aluminium Alloy Sheets and Coils.

Aluminium Coated Aluminium Alloy Sheets and

	S. Steels.	T. Tubes.
3 S 1.	Bright Steel Bars.	2 T 1. 35-ton Steel Tubes.
2 S 2.	55-ton Alloy Steel Bars Add.*	2 T 2. 85-ton Nickel Chromium Steel Tubes (primari
3 S 3.	Mild Steel Sheets and Strips (suitable for Welding).	for use as Axle Tubes).
	§(A.S. No. (E)D.501—1940).	†5 T 4. Aluminium Alloy Tubes (Duralumin) Ada
	5% Nickel Steel Sheets (not suitable for Welding).	(A.S. No. (E)2D.617—1941
3 S 6.	"40" Carbon Steel (Normalised).	†5 T 7. Seamless Copper Tubes for Oil, Petrol, Ga
8 11.	55-65 ton Nickel Chromium Steel.	Starters and General Purposes.
	(A.S. No. (E)D.502—1940).	(A.S. No. (E)D.707—1940
2 S 14.	Carbon Case-hardening Steel.	†4 T 9. Aluminium Tubes.
	(A.S. No. (E)D.503—1940).	(A.S. No. (E)D.618—1940
3 S 15.	3% Nickel Case-hardening Steel.	‡3 T 26. 20-ton Steel Tubes (Suitable for Welding).
. ~ ~	(A.S. No. (E)D.504—1940).	(A.S. No. (E)2D.537—1942
3 S 20.	Tinned Steel Sheets.	T 35. 35-ton Steel Tubes (Suitable for Welding).
	(A.S. No. (E)D.505—1940).	T 45. 45-ton Steel Tubes (Suitable for Welding).
3 S 21.	"20" Carbon Steel.	†4 T 47. Brass Tubes for Honeycomb Type Radiator
	(A.S. No. (E)2D.506—1942).	(A.S. No. (E)D.708—1940
3 S 24.	Bright Steel Bars for Keys.	T 50. 50-ton Steel Tubes.
	(A.S. No. (E)D.507—1940).	†2 T 51. High Pressure Seamless Copper Tubes.
2 S 28.	Air-hardening Nickel-Chrome Steel.	(A.S. No. (E)D.709—1940
~	(A.S. No. (E)D.508—1940).	2 T 52. Hard Drawn Phosphor-Bronze and Phosphore
S 61.	High Chromium Steel (Non-corroding)—35 Tons.	Deoxidised Bronze Tubes.
	(A.S. No. (E)D.521—1941).	
S 62.	High Chromium Steel (Non-corroding)—46 Tons.	
~ ~~	(A.S. No. (E)D.522—1941).	V. Timber, Glues, etc.
S 65.	65-ton Nickel Chrome Steel.	그 집 보다 하나 하는 일반에 불통하다면 하다가 되었다면 하는 경우를 하고 있다.
0.05	§(A.S. No. (E)D.509—1940).	**3 V 2. Casein Cement.
S 67.	5% Nickel Case-hardening Steel.	5 V 3. Plywood for structurally important Parts
S 68.	16% Tungsten Steel.	Aircraft Add
S 69.	3½% Nickel Steel. §(A.S. No. (E)D.510—1940).	3 V 4. Ash.
S 70.	"55" Carbon Steel (Normalised).	3 V 5. Walnut (for use in Airscrews).
S 71.	(A.S. No. (E)D.511—1940).	4 V 7. Mahogany (for use in Airscrews) Add
	"30" Carbon Steel (Normalised).	V 8. Rock Elm Add
2 S 76.	"40" Carbon Steel (Hardened and Tempered).	5 V 10. Liquid and Jelly Gelatine Glues.
S 77.	"30" Carbon Steel (Hardened and Tempered).	4 V 11. Dry Gelatine Glue.
S 79.	"55" Carbon Steel (Hardened and Tempered).	V 34. Plywood for unstressed or lightly stressed Par
S 80.	High Chromium Steel (Non-corroding)—55 Tons.	of Aircraft.
2 S 81.	(A.S. No. (E)D.523—1941). 65 to 75 Ton Nickel Chromium Steel.	
2 5 61.	(A.S. No. (E)D.512—1940).	
S 82.	Nickel Chromium Case-Hardening Steel.	W. Wires, Wire Ropes, etc.
D 02.		3 W 1. High Tensile Steel Wire.
S 84.	(A.S. No. (E)D.542—1942). Low Carbon Steel Sheets and Strips (suitable for	
D 04.	Welding). (A.S. No. (E)D.513—1940).	
S 85.		
D 00.	Non-Corrodible Steel Sheets.	3 W 6. Flexible Steel Wire Rope for Kite Ballo
9 90	(A.S. No. (E)D.524—1941). Nickel Chromium Steel Sheets and Strips (40-50	Cables Add
D 00.		6 W 8. Tie Rods (Swaged).
Q 97	Tons—0.1 per cent. Proof Stress).	
D 01.	Nickel Chromium Steel Strips (55-65 Tons—0·1 per cent. Proof Stress).	
0 00		X. Paints and Varnishes.
is 55.	High Tensile Nickel Chromium Steel Strips	
8 00	(65-75 Tons—0·1 per cent. Proof Stress).	4 X 2. Oil and Petrol resisting Battleship Grey Pair
5 90.	High Tensile 5 per cent. Nickel Case-Hardening	3 X 4. White Dope Resisting Paint.
	Steel. (A.S. No. (E)D.514—1940).	3 X 6. Varnish for External Woodwork.
	audital yang sasar) di santang bilang di di	3 X 7. Varnish for Internal Woodwork.
	CD Standard Data:la	2 X 8. Undercoating Propeller Varnish.
	S.P. Standard Details.	3 X 9. Bituminous Paint.
2 S P	1. Shackles Add*	2 X 11. Transparent Woodfiller for Propellers.
2 S P	3. Fork Joints (Low Tensile Type) Add(3)*	2 X 12. Finishing Propeller Varnish.
	4. Steel Pins.	2 X 14. Priming Varnish.
	6. Turnbuckles.	2 X 17. Seaplane Varnish Add
SP		N 10 CI II N 11
SP	7. Fork Joints (High Tensile Type) Add*	X 18. Shellac Varnish.
SP	7. Fork Joints (High Tensile Type) Add^* 8. Turnbuckles (Tension Rod Type) Add^*	X 18. Shellac Varnish. X 19. Acid Resisting Paint.

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§Australian Standard cancelled, but still available as reprinted British Standard.

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B.S. No	andards relating to Aircraft Materials and Components may also be		Post free.	
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135—193	Benzoles (Pure Benzole, Pure Benzole for Nitration, Motor Benzole, 90's Benzole, Industrial Benzole)	4/3	4/5	
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491—193	Nomenclature of Timber for Aircraft Purposes. (Including Sources of Supply and Application to Aircraft)	2/6	2/8	
563—193	T 1 A 1 1 1 A' T' 1 A'	2/6	2/8	
720—193	Calibration of Carburettor Jets for Petrol Engines (all Types) (for flows not exceeding 2,000 ml. per minute) (Austral	2/6	2/8	

NOTE.

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