

**CLASSIFIED LIST**  
**METALLIC MATERIALS**

**ALUMINIUM ALLOYS**

<i>Specification No. and Title D.T.D.</i>	<i>Specification No. and Title D.T.D.</i>
<b>Ingots and Castings</b>	
*716B Ingots and Castings of Aluminium-Silicon-Magnesium Alloy (As cast) (Si 5, Mg 0.5).	*5024 Aluminium - Zinc - Magnesium - Copper - Manganese Alloy Forgings (Not exceeding 10 inches diameter or minor sectional dimension) (Solution treated and precipitation treated).
*722B Ingots and Castings of Aluminium-Silicon-Magnesium Alloy (Precipitation treated) (Si 5, Mg 0.5).	*5044 Aluminium - Zinc - Magnesium - Copper - Manganese Alloy Bars and Extruded Sections (Not exceeding 10 inches diameter or minor sectional dimension) (Solution treated and precipitation treated).
*727B Ingots and Castings of Aluminium-Silicon-Magnesium Alloy (Solution treated) (Si 5, Mg 0.5).	5054A Bars and Extruded Sections of Aluminium-Zinc-Magnesium-Copper-Chromium Alloy (Solution treated and precipitation treated) (Zn 5.7, Mg 2.5, Cu 0.5, Cr 0.15).
*735B Ingots and Castings of Aluminium-Silicon-Magnesium Alloy (Solution treated and precipitation treated) (Si 5, Mg 0.5).	5074A Bars and Extruded Sections of Aluminium-Zinc-Magnesium-Copper-Chromium Alloy (Solution treated and precipitation treated) (Zn 5.8, Mg 2.5, Cu 1.6, Cr 0.16).
5008B Ingots and Castings of Aluminium-Zinc-Magnesium-Chromium Alloy (Age hardened) (Zn 5.2, Mg 0.6, Cr 0.5).	5084A Forging Stock and Forgings of Aluminium-Copper-Magnesium-Nickel-Iron Alloy (Solution treated and precipitation treated; special heat treatment for minimum residual internal stress) (Suitable for use at elevated temperatures) (Cu 2.5, Mg 1.5, Ni 1.2, Fe 1.0).
5018A Ingots and Castings of Aluminium-Magnesium-Zinc Alloy (Solution treated) (Mg 7.7, Zn 1.2).	5094A Forging Stock and Forgings of Aluminium-Zinc-Magnesium-Copper-Manganese Alloy (Heat treated at a ruling thickness of not more than 75 mm) (Solution treated, step quenched and precipitation treated for low internal stress) (Zn 5.7, Mg 2.5, Cu 0.5, Mn 0.5).
5028 Aluminium-Silicon-Magnesium Alloy Ingots and Premium Quality Castings (Solution treated and precipitation treated) (Si 7, Mg 0.3).	5104A Forging Stock and Forgings of Aluminium-Zinc-Magnesium-Copper-Manganese Alloy (Solution treated, boiling water quenched and duplex precipitation treated to improve stress corrosion resistance) (Zn 5.7, Mg 2.5, Cu 0.5, Mn 0.5).
<b>Bars, Extruded Sections and Forgings</b>	
150A Light Alloy Airscrew Forgings (Detachable blades).	
246C Forging Stock and Crankcase Forgings of Aluminium Copper - Nickel - Magnesium - Iron - Silicon Alloy (Solution treated and precipitation treated) (Cu 2.0, Ni 1.0, Mg 1.0, Si 0.9, Fe 0.6).	
*297A Aluminium-7 Per Cent Magnesium Alloy Bars, Extruded Sections and Forgings.	
324B Forging Stock and Forgings for Engine Cylinders and Pistons of Aluminium-Silicon-Magnesium-Copper-Nickel Alloy (Solution treated and precipitation treated) (Si 11.5, Mg 1.1, Cu 1.0, Ni 1.0).	
*372B Aluminium-Magnesium-Silicon Alloy Extruded Bars and Sections (Suitable for welding).	
717A Forging Stock and Forgings of Aluminium-Copper-Magnesium-Nickel-Iron Alloy (Solution treated and precipitation treated at 170°C) (Suitable for use at elevated temperatures) (Cu 2.5, Mg 1.5, Ni 1.2, Fe 1.0).	
731B Forging Stock and Forgings of Aluminium-Copper-Magnesium-Nickel-Iron Alloy (Solution treated and precipitation treated at 200°C) (Suitable for use at elevated temperatures) (Cu 2.5, Mg 1.5, Ni 1.2, Fe 1.0).	
745A Forging Stock and Compressor Blade Forgings of Aluminium-Copper-Magnesium-Nickel-Iron Alloy (Solution treated and precipitation treated) (Cu 2.5, Mg 1.5, Ni 1.2, Fe 1.0).	
5004A Forging Stock and Forgings of Aluminium-Copper-Manganese Alloy (Solution treated and precipitation treated) (Suitable for use at elevated temperatures) (Cu 6.0, Mn 0.3).	
5014A Bars and Extruded Sections of Aluminium-Copper-Magnesium-Nickel-Iron Alloy (Solution treated and precipitation treated) (Suitable for use at elevated temperatures) (Cu 2.5, Mg 1.5, Ni 1.2, Fe 1.0).	
<b>Plates, Sheets and Strips</b>	
	346A Aluminium-Magnesium-Silicon Alloy Sheets and Strip (Soft) (Suitable for welding).
	5010A Plate of Aluminium-Copper-Magnesium-Silicon-Manganese Alloy (Solution treated and aged at room temperature) (Cu 4.4, Mg 0.5, Si 0.7, Mn 0.8).
	5030A Aluminium-Coated Plate of Aluminium-Copper-Magnesium-Silicon-Manganese Alloy (Solution treated and aged at room temperature) (Cu 4.4, Mg 0.5, Si 0.7, Mn 0.8).
	5040A Aluminium-Coated Plate of Aluminium-Copper-Magnesium-Silicon-Manganese Alloy (Solution treated and precipitation treated) (Cu 4.4, Mg 0.5, Si 0.7, Mn 0.8).
	5070B Aluminium-Alloy-Coated Sheet and Strip of Aluminium-Copper-Magnesium-Nickel-Iron Alloy (Solution treated and precipitation treated) (Suitable for use at elevated temperatures) (Cu 2.5, Mg 1.5, Ni 1.2, Fe 1.0).
	5080 Aluminium-Magnesium-Silicon-Manganese Alloy Sheets (Solution treated and precipitation treated) (Suitable for welding) (Mg 0.9, Si 0.9, Mn 0.7).

\* These specifications are regarded as obsolescent; they are likely to be withdrawn in the near future. Their use is not recommended for new projects.

Classified List—continued

Metallic Materials—continued

ALUMINIUM ALLOYS—continued

Specification No. and Title  
D.T.D.

Specification No. and Title  
D.T.D.

Plates, Sheets and Strips—continued

5100A Aluminium-Coated Plate of Aluminium-Copper-Magnesium-Manganese Alloy (Solution treated, controlled stretched and aged at room temperature) (Cu 4.4, Mg 1.5, Mn 0.6).

Plates, Sheets and Strips—continued

5110 Aluminium-Alloy-Coated Plate of Aluminium-Zinc-Magnesium-Copper-Chromium Alloy (Solution treated, controlled stretched and precipitation treated) (Zn 5.8, Mg 2.5, Cu 1.6, Cr 0.15).

MAGNESIUM ALLOYS

Ingots and Castings

684A Ingots and Castings of High-Purity Magnesium-8% Aluminium-Zinc-Manganese Alloy (As cast) (For applications requiring maximum corrosion resistance) (Al 8, Zn 0.5, Mn 0.3).  
690A Ingots and Castings of High-Purity Magnesium-8% Aluminium - Zinc - Manganese Alloy (Solution treated) (For applications requiring maximum corrosion resistance) (Al 8, Zn 0.5, Mn 0.3).  
5005A Ingots and Castings of Magnesium-Thorium-Zinc-Zirconium Alloy (Precipitation treated) (Th 3.0, Zn 2.2, Zr 0.7).  
5015A Ingots and Castings of Magnesium-Zinc-Thorium-Zirconium Alloy (Precipitation treated) (Zn 5.5, Th 1.8, Zr 0.7).  
5025A Ingots and Castings of Magnesium-Silver-Neodymium-Zirconium Alloy (Solution treated and precipitation treated) (Ag 2.5, RE 1.6, Zr 0.6).  
5035A Ingots and Castings of Magnesium-Silver-Neodymium-Zirconium Alloy (Solution treated and precipitation treated) (Ag 2.5, RE 2.5, Zr 0.6).

Plates, Sheets and Strips

118B Magnesium-1½ Per Cent Manganese Alloy Sheets and Strips.  
5051 Magnesium-1½ Per Cent Manganese Alloy Plate.  
5061 Magnesium-Aluminium-Zinc-Manganese Alloy Plate (Al 3.0, Zn 1.0, Mn 0.3).  
5071 Magnesium-Zinc-Zirconium Alloy Plate (Suitable for welding by inert-gas shielded arc technique) (Zn 1.3, Zr 0.6).  
5081 Magnesium-Zinc-Zirconium Alloy Plate (Zn 3.0, Zr 0.6).  
5091 Magnesium Zinc-Manganese Alloy Sheets and Strips (Soft) (Zn 2.0, Mn 1.0).  
5101 Magnesium-Zinc-Manganese Alloy Sheets and Strips (Half Hard) (Zn 0.2, Mn 1.0).

Bars, Extruded Sections and Forgings

142A Magnesium-Manganese Alloy Bars.  
5041 Magnesium-Zinc-Zirconium Alloy Bars and Sections (Heat treated) (Zn 5.5, Zr 0.7).

Tubes

737 Magnesium-Manganese Alloy Tubes.

NICKEL ALLOYS

Bars, Forgings and Stampings

192 High Nickel-Copper Alloy Hot Rolled or Forged Bars, Stamping and Forgings.  
196 Cold Rolled or Cold Drawn and Annealed High Nickel-Copper Alloy Bars (Suitable for cold bending).  
200A Hard Drawn High Nickel-Copper Alloy Bars and Strips.  
204A High Nickel-Copper Alloy Rods, Wire, Tubes and Rivets.  
268 45 Per Cent Nickel Alloy Rods, Wires, Tubes, Rivets and Split Pins.  
747B Nickel - Chromium - Cobalt - Aluminium - Titanium Heat Resisting Alloy Billets, Bars, Forgings (Including Gas Turbine Blades) and Parts (Nickel base, Cr 19.5, Co 18, Ti 2.4, Al 1.4).

Bars, Forgings and Stampings—continued

5007A Nickel-Chromium-Cobalt-Molybdenum-Aluminium-Titanium Heat Resisting Alloy Billets, Bars, Forgings (Including Gas Turbine Blades) and Parts (Nickel base, Cr 15, Co 20, Mo 5, Al 4.7, Ti 1.2).  
5017A Nickel-Chromium-Cobalt-Molybdenum-Aluminium-Titanium Heat Resisting Alloy Billets, Bars, Forgings (Including Gas Turbine Blades) and Parts. (Nickel base, Cr 15, Co 14.5, Mo 4, Al 5, Ti 4).  
5067 Nickel-Chromium-Cobalt-Molybdenum-Aluminium-Titanium Heat Resisting Alloy Billets, Bars, Forgings (Including Gas Turbine Blades) and Parts (Vacuum melted) (Nickel base, Cr 15, Co 14.5, Mo 4, Al 5, Ti 4).  
5077 Nickel-Chromium-Aluminium-Titanium Heat Resisting Alloy Bars and Upset Forgings for the Manufacture of Bolts, Studs, Set Screws and Nuts (Nickel base, Cr 19.5, Ti 2.25, Al 1.4).

Classified List—continued

Metallic Materials—continued

NICKEL ALLOYS—continued

Specification No. and Title  
D.T.D.

Specification No. and Title  
D.T.D.

Sheets and Strips

- 10C High Nickel-Copper Alloy Sheets and Strips.
- 200A Hard Drawn High Nickel-Copper Alloy Bars and Strips.
- 232 45 Per Cent Nickel Alloy Sheets and Strips of 40-50 tons 0.1 Per Cent Proof Stress.
- 237 45 Per Cent Nickel Alloy Sheets and Strips of 15 tons 0.1 Per Cent Proof Stress.
- 328A Nickel-Chromium-Iron Alloy Sheets and Strips.
- 703B Nickel-Chromium Heat Resisting Alloy Sheets and Strips (Cold-Rolled and Softened).
- 5027 Nickel-Chromium-Cobalt Heat Resisting Alloy Sheet (Cold Rolled and Softened) (Nimonic 90).
- 5037 Nickel-Iron-Chromium-Molybdenum Weldable Heat Resisting Alloy Sheets and Strips. (Nickel base, Fe 36, Cr 18, Mo 5.25).
- 5047 Nickel-Iron-Chromium-Molybdenum Weldable Heat Resisting Alloy Sheets and Strips (Nickel base, Fe 35, Cr 16.5, Mo 3.25).
- 5057 Nickel-Chromium-Cobalt-Molybdenum Weldable Heat Resisting Alloy Sheets and Strips. (Nickel base, Cr 18, Co 14, Mo 7).

Tubes

- 204A High Nickel-Copper Alloy Rods, Tubes, Wire and Rivets.
- 268 45 Per Cent Nickel Alloy Rods, Wires, Tubes, Rivets and Split Pins.
- 477 High Nickel-Copper Alloy Tubes.

Wires, Rivets and Bolts

- 204A High Nickel-Copper Alloy Rods, Tubes, Wire and Rivets.
- 268 45 Per Cent Nickel Alloy Rods, Tubes, Wires, Rivets and Split Pins.
- 487 Nickel-Copper-Aluminium Alloy Cold Headed Bolts (Not exceeding  $\frac{3}{8}$  in diameter).

NON-FERROUS MATERIALS EXCLUDING  
ALUMINIUM, MAGNESIUM, NICKEL AND TITANIUM ALLOYS

Castings

- 412 Aluminium-Bronze Sand or Die Castings.

Bars, Forgings and Stampings

- 164A Aluminium-Nickel-Iron Bronze Bars, Forgings and Stampings.
- 197A Aluminium-Nickel-Iron Bronze Bars and Forgings.
- 265A Hard-Drawn Phosphor Bronze Bars (Suitable for bushes etc.) (Bars not exceeding 2½ inches in diameter).
- 319 Aluminium-Nickel-Silicon Brass Bars.
- 498 Silicon-Nickel-Copper Alloy Bars and Forgings.
- 504 Copper-Nickel-Silicon Alloy Bars.

Sheets and Strips

- 267 Silicon Brass Sheets (Half hard) (For sheets not over 24 inches wide).
- 283A Aluminium-Nickel-Silicon Brass Sheets (Annealed) (For sheets not over 24 inches wide).
- 607 Copper Strip for Radiators and Coolers.

Tubes

- 253A Aluminium-Nickel-Silicon Brass Tubes (Low pressure).
- 265A Hard Drawn Phosphor Bronze Tubes (Suitable for bushes, etc.).
- 604 Brass Tubes (Suitable for low pressure hydraulic and similar systems).
- 5019 Aluminium-Nickel-Silicon Brass Tubes (Suitable for pipe lines and high pressure hydraulic systems especially where flaring is required.)

Miscellaneous

- 214 White Metal Ingots (Suitable for bearings).
- 244 White Metal Bearings.
- 627 Brass Rod or Wire for Machined Components Subject to a Riveting Operation (Not suitable for the manufacture of rivets).

Classified List—continued

Metallic Materials—continued

CAST IRONS

Specification No. and Title  
D.T.D.

- 233A Cast Iron Piston Ring Pots (Centrifugally cast).
- 413 Cast Iron Piston Ring Pots (Sand or chill cast).
- 462 High-Chromium Alloy Cast Iron (Suitable for piston ring pots) (Centrifugally cast).
- 485A Cast Iron Piston Ring Pots (Centrifugally cast).

Specification No. and Title  
D.T.D.

- 614 Medium-Chromium Alloy Cast Iron (Suitable for piston ring pots) (Centrifugally cast).
- 719 Chromium-Molybdenum Alloy Cast Iron Pots (Suitable for centrifugally cast and sand cast sealing rings, piston rings and cylinder liners).

STEELS

Castings

Non-Stainless

- 666 Medium High Tensile Steel Castings (60 tons ultimate tensile stress).
- 705 High Tensile Steel Castings (75–82 tons).
- 5072 75–85 Ton Steel Investment Castings—Non-Stainless.
- 5172 55–65 Ton Low Alloy Steel Investment Castings.
- 5199 Carbon Steel Investment Castings (Tensile strength not less than 50 kgf/mm<sup>2</sup>).
- 5209 Carbon Manganese Steel Investment Castings (Tensile strength 55–70 kgf/mm<sup>2</sup>).
- 5219 1 Per Cent Chromium-Molybdenum Low Alloy Steel Investment Castings (Tensile strength 70–90 kgf/mm<sup>2</sup>).
- 5229 3 Per Cent Chromium-Molybdenum Steel Investment Castings (Tensile strength 63–80 kgf/mm<sup>2</sup>).
- 5239 3 Per Cent Nickel Case-Hardening Steel Investment Castings (Tensile strength not less than 70 kgf/mm<sup>2</sup>).
- 5249 3 Per Cent Chromium-Molybdenum Nitriding Steel Investment Castings (Tensile strength 87–102 kgf/mm<sup>2</sup>).

Stainless

- 5259 Chromium-Nickel Corrosion-Resisting Steel Investment Castings (Not stabilized) (Tensile strength 47 kgf/mm<sup>2</sup>). (Not to be used for applications at temperatures exceeding 350°C).
- 5269 Chromium-Nickel Corrosion-Resisting Steel Investment Castings (Niobium stabilized) (Tensile strength 47 kgf/mm<sup>2</sup>).
- 5279 Chromium-Nickel—2.5 Per Cent Molybdenum Heat-Resisting and Corrosion-Resisting Steel Investment Castings (50 hbar) (High temperature properties not verified).
- 5289 Chromium-Nickel—3.5 Per Cent Molybdenum Heat-Resisting and Corrosion-Resisting Steel Investment Castings (50 hbar) (High temperature properties not verified).
- 5299 Precipitation Hardening Chromium-Nickel-Copper-Molybdenum Steel Investment Castings (95 hbar).
- 5309 Precipitation Hardening Chromium-Nickel-Copper-Molybdenum Steel Investment Castings (125 hbar).

Bars and Forgings

Non-Stainless

- 5032 Carbon Steel (Suitable for the manufacture of tie rods).
- 5042A Nickel - Chromium - Molybdenum - Vanadium Steel (125 hbar) (Limiting ruling section 150 mm).

Bars and Forgings—continued

Non-Stainless

- 5082A 1 Per Cent Chromium-Molybdenum Steel (Suitable for welding) (115 hbar) (Limiting ruling section 16 mm).
- 5092 Soft Iron for Dynamo-Electric Machines (Type A).
- 5102 Soft Iron for Dynamo-Electric Machines (Type B).
- 5122A 1 Per Cent Chromium-Molybdenum Steel (115 hbar) (Limiting ruling section 12.5 mm). (Suitable for welding by specialized processes).
- 5192 Nickel - Chromium - Molybdenum - Vanadium Steel (190 kgf/mm<sup>2</sup>). (Vacuum remelted; limiting ruling section 100 mm).
- 5202 0.5 Per Cent Molybdenum-Boron Steel (60 hbar) (Limiting ruling section 63 mm).
- 5212 Maraging Steel: 18 Per Cent Nickel-Cobalt-Molybdenum (180 hbar) (Double vacuum melted).
- 5232 Maraging Steel: 18 Per Cent Nickel-Cobalt-Molybdenum (180 hbar) (Vacuum remelted).

Plates, Sheets and Strips

Non-Stainless

- 5052 80 Ton Nickel-Chromium-Molybdenum-Vanadium Steel Plate (Limiting ruling section 6 in).
- 5062 40 Ton Molybdenum-Boron Steel Sheets and Strips (Suitable for welding).
- 5092 Soft Iron for Dynamo-Electric Machines (Type A).
- 5102 Soft Iron for Dynamo-Electric Machines (Type B).
- 5112 80 Ton 1 Per Cent Chromium-Molybdenum Steel Sheets (Suitable for welding by specialised processes).

Stainless

- 271 Non-Corroding Steel Strips (Suitable for magneto contact breaker springs).
- 5046 12 Per Cent Chromium-Molybdenum-Vanadium Oxidation Resisting and Corrosion Resisting Steel Sheet and Strip (96–115 kgf/mm<sup>2</sup>).

Tubes

Non-Stainless

- 167A 45 Ton Chrome-Molybdenum Steel Tubes (Not suitable for welding).
- 503A Steel Tubes for High Pressure Hydraulic Systems.
- 713 2½ Per Cent Nickel-Chromium-Molybdenum Steel Tubes (75 tons).
- 723 2½ Per Cent Nickel-Chromium Molybdenum Steel Tubes (90 tons)

## Metallic Materials—continued

## STEELS—continued

Specification No. and Title  
D.T.D.Specification No. and Title  
D.T.D.

## Tubes—continued

## Non-Stainless

- 740 40 Ton Molybdenum-Boron Steel Tubes (Suitable for welding).  
 5092 Soft Iron for Dynamo-Electric Machines (Type A).  
 5102 Soft Iron for Dynamo-Electric Machines (Type B).  
 5132 80 Ton 1 Per Cent Chromium-Molybdenum Steel Tubes (Suitable for welding by specialised processes).  
 5142 80 Ton 1 Per Cent Chromium-Molybdenum Steel Tubes (Hot rolled) (Suitable for welding by specialised processes).

## Stainless

- 97B 28 Ton 12 Per Cent Chromium Corrosion-Resistant Steel Tubes.  
 203B 50 Ton 12 Per Cent Chromium Corrosion-Resistant Steel Tubes.  
 5016 35-45 Ton Chromium-Nickel Corrosion-Resisting Steel Solid Drawn Circular Tubes (Suitable for pipe lines and high pressure hydraulic systems especially where flaring is required).

## Miscellaneous

## Wires, Cables, Springs, and Bolts

## Non-Stainless

- 720B "15" Carbon Steel (Suitable for blind rivets) (Limiting ruling section 20 mm).  
 750 Non-Rotating Steel Wire Rope or Cable (Not preformed).  
 5152 1 Per Cent Chromium-Molybdenum Steel Wire (Suitable for use as filler material).

## Miscellaneous—continued

## Wires, Cables, Springs and Bolts—continued

## Non-Stainless

- 5162 High Tensile Steel Bolts (55-65 ton) of High Metallurgical Quality.  
 5182 Bolt, Double Hexagon, External Wrenching, 180,000 lbf/in<sup>2</sup>.  
 5222 5 Per Cent Chromium-Molybdenum-Vanadium Steel Suitable for Forged Bolts (180 hbar) (Vacuum remelted-limiting ruling section 25 mm).

## Stainless

- 161A Corrosion-Resisting Steel Rod and Wire (Suitable for locking wire).  
 189A Chromium-Nickel Corrosion-Resistant Steel Rods, Rivets and Split Pins.  
 326A 12 Per Cent Chromium Steel Wire for Springs (Corrosion resistant) (Not suitable for engine valve springs).  
 734 Chromium-Nickel Non-Corroding Steel Wire (Suitable for the manufacture of wire thread inserts).  
 5036 Low Carbon Chromium-Nickel Corrosion-Resisting Steel Wire, Rivets and Split Pins (Weldable).  
 5056 Chromium-Nickel Corrosion Resisting Steel for Cold Headed Bolts and Set Screws (Suitable for cold forming).  
 5066 12 Per Cent Chromium Heat Resisting Steel Suitable for Bolts, Studs, Set Screws and Nuts (Limiting ruling Section 50 mm: 110 hbar).  
 5076 High Expansion Heat Resisting Steel for the Manufacture of Bolts, Studs, Set Screws and Nuts (97 hbar) (Vacuum remelted: limiting ruling section 20 mm).  
 5086 17-7 Chromium-Nickel Precipitation Hardening Stainless Steel Rod, Wire and Springs.

## TITANIUM

## Bars and Forgings

- 5013B Commercial Pure Titanium Bars and Billets (Tensile strength not greater than 30 tonf/sq in) (Suitable for welding).  
 5203 Titanium - Aluminium - Molybdenum - Tin - Silicon Alloy Bars and Billets (Tensile strength not less than 78 tonf/in<sup>2</sup>).  
 5223 Titanium - Aluminium - Molybdenum - Tin - Silicon Alloy Forgings (Tensile strength not less than 78 tonf/in<sup>2</sup>).  
 5243 Titanium-Copper Alloy Bars for Machining (Limiting ruling section 50 mm) (65-88 hbar).  
 5253 Titanium-Copper Alloy Forging Stock (Limiting ruling section 50 mm) (65-88 hbar).  
 5263 Titanium-Copper Alloy Forgings (Limiting ruling section 50 mm) (65-88 hbar).  
 5273 Bars for Machining of Commercially Pure Titanium (Tensile strength 460-615 N/mm<sup>2</sup>) (Suitable for welding).

## Bars and Forgings—continued

- 5283 Forging Stock of Commercially Pure Titanium (Tensile strength 460-615 N/mm<sup>2</sup>) (Suitable for welding).  
 5293 Forgings of Commercially Pure Titanium (Tensile strength 460-615 N/mm<sup>2</sup>) (Suitable for welding).

## Sheets and Strips

- 5023C Sheet and Strip of Commercially Pure Titanium (Tensile strength 460-615 N/mm<sup>2</sup>) (Suitable for welding).  
 5233 Titanium-Copper Alloy Sheets (69-92 hbar).

## Tubes

- 5073 Commercially Pure Titanium Tubes (Suitable for pipe lines and high pressure hydraulic systems where flaring is required).

## NON-METALLIC MATERIALS

Specification No. and Title  
D.T.D.

## Fabrics and Cordage

- 65A Silk Tape for Parachutes.  
66B Silk Sewing Thread.  
258A Italian Hemp Ropes (Plaited).  
295A Rubber Proofed Fabric for Riveted Tanks.  
436B Proofed Cotton Fabric.  
481E Braided Nylon Cordage: 60 Denier Yarn.  
537E Proofed Fabric and Tape for Inflatable Liferaft Equipment.  
568 12½ oz Cotton Canvas.  
575A Scoured Cotton Fabric.  
590 Pressed Felt.  
621 Periphery Tape.  
642B 14-oz Flax Canvas.  
664A Cotton and Wire Target Fabric.  
763A Polishing Cloth for use on Transparent Plastic Panels.  
765A Rayon Fabric for Slow Falling Flares.  
778A Proofed Fabric for Targets.  
786E Braided Nylon Cord (Coreless).  
794A Asbestos Metallic Sewing Twine.  
810A Safety Harness Webbing.  
829A Nylon Webbing.  
847A Nylon Fabric.  
871 Cotton Webbing.  
891B Single Ply Rubber Proofed Fabric and Tape.  
898B Nylon Leno Fabric.  
5502A Braided Nylon Cordage.  
5504 Terylene Fabric.  
5505A Cotton Webbing, Single Ply.  
5506A Cotton Webbing, Two Ply.  
5510 Terylene Tape.  
5524 Rayon/Nylon Braided Cord.  
5546 Woven Glass Fibre Tape and Webbing ("E" Glass).  
5551 Two Ply Rubber Proofed Silk Fabric.  
5554 Staple Fibre Terylene Fabric.  
5559A Contour Woven Glass Fibre Fabric.  
5584 Three-Strand Nylon Rope, Soft Laid.

## Glass

- 218D Laminated Safety Glass.  
222A Plane Safety Glass for Goggles and Spectacles.  
761C Safety Glass Windscreen, Weapon Sighting Quality.  
869A Laminated Safety Glass, High Light Transmission.  
870A Bullet Resistant Safety Glass, High Light Transmission.  
5576A Laminated Safety Glass Heated by Electrically Conducting Film(s).

## Lubricants and Hydraulic Fluids and Ingredients

- 71B Oil, Castor: Cold Drawn Grade.  
72A Oil, Castor: Delayed Setting Time Grade. Joint Service Designation: OF-300.  
392A Anti-Seize Compound: Aircraft, Graphite-Petrolatum, ZX-13.  
417B Lubricating Oil, Aircraft Controls, Anti-Freezing, OM-150.  
581B Extreme Pressure Gear Oils OEP-30 and OEP-70.  
585A Hydraulic Fluid, Petroleum. NATO Code No.: H-515. Joint Service Designation: OM-15.  
644 Anti-Spreading Composition.  
806A Grease, Aircraft: Graphite. NATO Code No. G-355. Joint Service Designation XG-285.

Specification No. and Title  
D.T.D.

## Lubricants and Hydraulic Fluids and Ingredients—continued

- 822B Lubricating Oil, Instrument: Synthetic. NATO Code No. 0-147: Joint Services Designation OX-14.  
878A High Temperature Grease.  
897A Grease, Aircraft: Silicone, Pneumatic System. NATO Code No. G-394. Joint Services Designation XG-315.  
5527 Grease, Aircraft: Synthetic, Molybdenum Disulphide, XG-276 (NATO Code G-353).  
5530 Anti-Seize Compound (Molybdenum disulphide type).  
5540 Preservative Oil for Hydraulic Equipment.  
5578 Lubricating Oil, General Purpose: Low Temperature. NATO Code No. 0-142. Joint Services Designation OM-12.  
5579 Grease, Aircraft: Synthetic, Wide Temperature Range. NATO Code No. G-361. Joint Services Designation XG-292.  
5581 Damping Fluids: Dimethyl Silicone.  
5585 Grease, Aircraft: Synthetic, High Temperature. NATO Code No. G-372. Joint Services Designation XG-300.  
5586 Coolant Fluid, Inhibited: Radio Equipment. Joint Service Designation: AL-26.  
5598 Grease, Aircraft: Synthetic, Extreme Pressure. NATO Code No.: G-354. Joint Service Designation: XG-287.  
5601 Grease, Aircraft: Multi-Purpose. NATO Code No.: G-395 Joint Service Designation XG-293.  
5609 Grease, Aircraft: Helicopter Oscillating Bearing. NATO Code Number: G-366. Joint Service Designation: XG-284.  
5610 Grease, Aircraft: Synthetic, Pneumatic System. NATO Code Number: G-392. Joint Service Designation: XG-269.

## Miscellaneous

- 119 Aluminium Welding Flux.  
357A Radiator Leak Compound.  
378A Compressed Asbestos Fibre Jointing.  
406B De-Icing Fluid, A1-5.  
416 Compressed Asbestos Fibre Jointing with Wire Mesh Insertion.  
445A Cleaning Material for Dope and Paintwork.  
495 Calcium Chromate (For corrosion inhibitor cartridges).  
599A Non-Corrosive Flux for Soft Soldering.  
629 Coolant Test Papers.  
655 Marking Ink.  
700 Synthetic Sapphire Boule.  
759 Zinc Naphthenate.  
760 Casein Cement for use in Aircraft Propellers.  
764 Expanded Nitrile Ebonite for Sandwich Construction.  
770A Polish for Transparent Perspex Panels and Mouldings.  
775B Adhesive Suitable for Joining Metals.  
842 Fluorescein.  
861A Adhesive for Metal (Low pressure type).  
877 Acid Electrolyte (Amalgamating).  
900W Approval Procedure for Proprietary Materials and Processes.  
5503 Cable Crimping Compound (for Aluminium Cables).  
5507B Foaming and General Purpose Cleaning Material for Exterior Surfaces of Aircraft.  
5535 Oxygen Gas.

Classified List—continued

Non-Metallic Materials—continued

Specification No. and Title  
D.T.D.

Miscellaneous—continued

- 5539A Resinated Asbestos Flock Moulded Material.
- 5548 Glazing Compound.
- 5575A Seamarker Dye Composition.
- 5577 Heat Stable Structural Adhesives.
- 5600 Heavy Duty Cleaner for the Exterior Surfaces of Aircraft.

Organic Corrosion Preventives and Ingredients

- 279B Pigmented Lanolin-Resin Solution.
- 369A Pigmented Varnish Jointing Compound.
- 375D Resin.
- 663A Lanolin Resin Protective.
- 791B Engine Cylinder Protective (Wax thickened).
- 5604 Pigmented Jointing Compound, Non-Hardening Type.

Paints and Dopes and Ingredients

- 56D Stoving Enamel.
- 96A Thinners for Synthetic Paint.
- 234B Clear Varnish for Internal Protection of Drinking Water Tanks.
- 399A Enamel Resistant to Hydraulic Fluids.
- 420C Matt Pigmented Lanolin-Resin Finishes.
- 426 Ethyl Cellulose.
- 441 Distemper—Matt Finish.
- 449 Silicate Paint for Timber.
- 557A Flexible Paint.
- 573 Fluorescent Paint.
- 591C Nitrocellulose.
- 623A Pigmented Shellac Solution.
- 785 Cellulose Glossy Black Finish for Aeroplane Doping Schemes.
- 815 Self-Sealing Tank Primer (Latex-protein type).
- 827 Glossy Synthetic Pigmented Enamel and Primers.
- 840 Thinners for Synthetic Paints (90 per cent aromatic).
- 856A External Finishes for Radomes.
- 875A Clear Baking Varnishes for Heat Exchangers.
- 892A Pigmented Baking Varnishes for Heat Exchangers.
- 899A Cellulose Finishing Scheme (Ester lubricant resistant)
- 5555A Exterior Glossy Finishing Schemes (Cold curing epoxide type) (Schemes I, II & III).
- 5562 Clear Baking Resin for Surface Sealing Magnesium.
- 5567A Interior and Exterior Protective Finishing Scheme (Cold-curing epoxide type).
- 5580A Exterior and Interior Finishing Schemes—Matt and Glossy (Cold curing polyurethane type) (Scheme I and Scheme II).
- 5587 Paint System, Luminous, Tritium Activated.
- 5588 Strippable Temporary Protective Coating for Aluminium Alloys.
- 5589 2-Ethoxyethanol Acetate (Urethane grade).
- 5590 Thinners for Polyurethane Paints (Rolling).
- 5591 Thinners for Polyurethane Paints (Spraying).
- 5593 Touch-Up Paint Scheme for Aircraft Finishes.
- 5599 Selective Strippable Acrylic Finishing Scheme for Use on Aircraft.
- 5602 Acrylic Finishing Scheme for General Purpose Use on Aircraft.

Plastics

- 85A Polystyrene Moulding Material for Secondary Battery Containers.

Specification No. and Title  
D.T.D.

Plastics—continued

- 216A Synthetic Resin Bonded Fabric Mouldings for Magneto Gear Wheels.
- 442 Laminated Synthetic Resin Bonded Mouldings.
- 808 Cellulose Nitrate Sheet for covering Wooden Propeller Blades.
- 824 Transparent Amber Cellulose Acetate Sheet for Instrument Flying Practice Screens.
- 5511A Resinated Asbestos Felts of High Tensile Strength.
- 5512A Resinated Asbestos Felts of Medium Tensile Strength
- 5517 Polytetrafluoroethylene Granular Polymer.
- 5537 Unsaturated Polyester Resins, Special (For low pressure laminating purposes).
- 5549 Unsaturated Polyester Resins (For low pressure laminating purposes).
- 5550 Film Joining Tape.
- 5592 Acrylic Sheets for Aircraft Glazing.

Rubber

- 251D Low Pressure Flexible Oxygen Tubing (Mark III).
- 329D Rubber Tubing for Automatic Controls.
- 458A Rubber Parts for use with Mineral Base Hydraulic Fluid.
- 552 Rubber Parts for use with Engine Lubricating Oil.
- \*560 Rubber Parts for use with Aviation Fuel.
- 565 Rubber Parts for use with Ethylene Glycol.
- 784 Rubber Materials for Fuel Hose.
- 799 Low Pressure Flexible Oxygen Tubing (Mark VI).
- \*818 Silicone Rubber.
- 867 Cellular Vulcanised Rubber for Self Sealing Fuel Tanks (Fighter Type).
- 5508 Rubber for Face Piece Mouldings of Oxygen Masks Types "H" and "J".
- \*5509 Synthetic Rubber Resistant to Engine Lubricating Oils, Greases and Fuels.
- 5514A Vulcanised Polychloroprene Rubbers for Aircraft.
- 5531 Vulcanised General Purpose Silicone Rubbers for Aircraft.
- 5543A Vulcanized Fluoro-Carbon Rubbers for Aircraft.
- 5582 Oil Resistant Vulcanised Silicone Rubbers for Aircraft.
- 5583 Vulcanised Fluoro-Silicone Rubbers for Aircraft.
- 5594 Vulcanized Butadiene-Acrylonitrile Rubbers (Mineral Oil Resistant) for Aircraft.
- 5595 Vulcanized Butadiene-Acrylonitrile Rubbers (Fuel and Synthetic Oil Resistant) for Aircraft.
- 5596 Vulcanised Ethylene-Propylene Rubbers (General Purpose) for Aircraft.
- 5597 Vulcanized Ethylene-Propylene Rubbers (Fluid Resistant) for Aircraft.
- 5603 Elastomeric Toroidal Sealing Rings ('O' Rings) Fluoro-Carbon Type.
- 5605 Elastomeric Toroidal Sealing Rings ('O' Rings) Oil Resistant Vulcanized Silicone Type.
- 5606 Elastomeric Toroidal Sealing Rings ('O' Rings) Butadiene-Acrylonitrile Type (Mineral Oil Resistant).
- 5607 Elastomeric Toroidal Sealing Rings ('O' Rings) Butadiene-Acrylonitrile Type (Fuel and Synthetic Oil Resistant).
- 5608 Elastomeric Toroidal Sealing Rings ('O' Rings) Fluid Resistant Vulcanized Ethylene-Propylene Type.

\* For replacement items only.

Classified List—continued

PROCESS SPECIFICATIONS, ETC.

*Specification No. and Title  
D.T.D.*

*Specification No. and Title  
D.T.D.*

900W	Approval Procedure for Proprietary Materials and Processes.	928B	Rot-Proofing of Natural Fibre Parachute Materials.
902E	Application of Paint Materials to Metallic Surfaces.	929	Penetrant Methods of Flaw Detection.
903D	Zinc Plating.	931	Rhodium Plating.
904C	Cadmium Plating.	932	Chemical Contouring of Aluminium and Aluminium Alloy Sheet and Plate.
905A	Nickel Plating (Heavy).	933A	Glass Fabric Reinforced Polyester Laminates for Aircraft Structures and Airborne Radomes.
909	Protection of the Interior of Drinking Water Tanks against Corrosion.	935	Surface Sealing of Magnesium Rich Alloys.
911C	Protection of Magnesium-Rich Alloys against Corrosion.	936	Ultrasonic Inspection of Aluminium Alloy Extrusions and Hand Forgings.
912B	Protection of External Surfaces of Plywood.	937	Ultrasonic Inspection of Aluminium Alloy Plate.
913A	Identification Colouring of Rivets in Aluminium and Aluminium Alloys.	938	Gold Plating.
917A	Method of Varnishing Heat Exchanger Matrices.	939	Silver Plating of Heat-Resisting Threaded Parts for Anti-Seizure Purposes.
919B	Electroplating of Aluminium, Steel and Copper with Silver and Nickel.	940	The Cadmium Coating of Very Strong Steel Parts by Vacuum Evaporation.
922A	Manufacture of Carbon Monoxide Indicator Tubes Mark III.	941	Surface Coating of Parts by Use of Detonation, Flame and Plasma Spraying Processes.
924	Electrodeposited Tin Coatings.	999A	Inspection and Testing Procedure for Iron, Nickel, Cobalt and Copper Base Alloy Castings (Suitable for Class 1, Class 2 and turbine engine applications).
925D	The Fabrication of Acrylic Panels and Shapings.		
926B	Process for the External Finishing of Radomes.		
927A	Tin-Zinc Alloy Plating.		