

IMPORTANT:

**Limitation of liability**

The Society wishes to draw special attention to the fact that this Specification includes testing and procedures by which the Design Authority can establish whether a particular manufacturer, prima facie, has the capability to produce hardware in accordance with the appropriate drawings and related specifications.

The Society, its servants or representatives accept no responsibility for the continued quality of hardware items produced against the relevant drawings and specifications, this responsibility remaining with the user.

This Specification forms part of the voluntary standardisation programme of the Society - see Foreword in Volume 1 of this SBAC Standards Handbook.

# SBAC TECHNICAL SPECIFICATION TS96 ISSUE 3

## METALLIC MATERIALS

### TABLES OF SIMILAR MATERIAL SPECIFICATIONS

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**SBAC TECHNICAL SPECIFICATION TS96 ISSUE 3**

**METALLIC MATERIALS**

**TABLES OF SIMILAR MATERIAL SPECIFICATIONS**

**SCOPE**

**This document provides a list of potential alternative metallic material specifications for British National material standards (BS Aerospace and DTD standards). It is not, however, a design document and carries no design authority whatsoever.**

# **SBAC TECHNICAL SPECIFICATION TS96 ISSUE 3**

## **METALLIC MATERIALS**

### **TABLES OF SIMILAR MATERIAL SPECIFICATIONS**

#### **INTRODUCTION**

1. In view of the difficulty in obtaining material supplies for both new and established designs, the Working Group of the SBAC Metallic Materials Special Interest Group concerned with the Rationalization of Metallic Material Specifications was requested to extend its Terms of Reference to formulate tables of similar materials to provide Potential Alternatives.
2. The Working Group was aware that many of the larger Companies already possessed lists of alternatives appropriate to their own products, but it is hoped that the Tables will be of help to those smaller manufacturing organisations who do not possess approved Design Teams.
3. The attached tables are the result of the Working Group's effort, but it is emphasised that considerable care must be taken before any specific substitution is made. In every case, it will be necessary to obtain local design and quality control approval: additionally the concurrence of the prime Contractor may be required.
4. Before any decision is taken to use an alternative material for a specific part, consideration must be given to all relevant mechanical and metallurgical properties, including:  
  
Strength, Ruling Section and Hardenability, Weldability, Formability, Processing Response.
5. The AECMA designations quoted are those allocated in accordance with prEN2032-1 Issue P4.
6. Design properties for some of the materials included in this document are available in ESDU 00932.
7. A list of preferred specifications for new designs is contained in TS95 - "SBAC Recommendations for Rationalisation of Metallic Material Specifications to be used for New Designs".
8. A list of alternative materials for SBAC standard parts with design authority for these parts is in the course of preparation and it is hoped to have the first issue available by the end of 2001.

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SPEC	FORM	TABLE	SPEC	FORM	TABLE
B8	Castings	7	DTD5044	Bar, section	1C
B21	Ingots	7	DTD5045	Castings	2A
B23	Bar, rod, section, forgings, forging stock	7	DTD5052	Plate	3A
B24	Rod, section	7	DTD5055	Castings	2A
B25	Rod, section, forgings, forging stock	7	DTD5062	Sheet, strip	3A
B26	Rod, section	7	DTD5070	Sheet, strip	1A
B27	Tube	7	DTD5073	Tube	6C
B28	Strip, foil, parts	7	DTD5081	Plate	2B
B29	Strip, foil, parts	7	DTD5082	Bar, forgings, forging stock	3B
B30	Strip, foil, parts	7	DTD5086	Rod, wire, springs	4E
B31	Strip, foil, parts	7	DTD5091	Sheet, strip	2B
B32	Rod, section, parts	7	DTD5094	Forgings	1E
B33	Wire, springs	7	DTD5100	Plate	1B
DTD118	Sheet, strip	2B	DTD5101	Sheet, strip	2B
DTD142	Bar, section	2B	DTD5110	Plate	1B
DTD150	Forgings	1E	DTD5111	Forgings, forging stock	2B
DTD161	Rod, wire	4E	DTD5112	Sheet	3A
DTD167	Tube	3C	DTD5114	Bar, section	1C
DTD189	Wire, rivets, split pins	4E	DTD5120	Plate	1B
DTD246	Forgings, forging stock	1E	DTD5130	Plate	1B
DTD253	Tube	7	DTD5132	Tube	3C
DTD271	Strip	4E	DTD5142	Tube	3C
DTD297	Bar, section	1C	DTD5152	Wire	3E
DTD297	Forgings, forging stock	1E	DTD5222	Bar, forgings, forging stock	3B
DTD319	Tube	7	DTD5232	Bar, forgings, forging stock	3B
DTD372	Bar, section	1C	DTD5273	Bar	6B
DTD503	Tube	3C	DTD5283	Forging stock	6D
DTD716	Castings	1F	DTD5289	Castings	4D
DTD720	Rod, wire	3E	DTD5293	Forgings	6D
DTD722	Castings	1F	DTD5363	Castings	6C
DTD727	Castings	1F	DTD5636	Forgings, forging stock	1E
DTD731	Forgings, forging stock	1E	DTD5638	Bar & wire for fasteners	5E
DTD735	Castings	1F	DTD5639	Bar & wire for fasteners	5E
DTD737	Tube	2B	HC1	Castings, remelting stock	3D
DTD740	Tube	3C	HC2	Castings, remelting stock	3D
DTD5004	Forgings, forging stock	1E	HC3	Castings, remelting stock	3D
DTD5005	Castings	2A	HC4	Castings, remelting stock	3D
DTD5008	Castings	1F	HC5	Castings, remelting stock	3D
DTD5010	Plate	1B	HC6	Castings, remelting stock	3D
DTD5013	Bar	6B	HC7	Castings, remelting stock	3D
DTD5014	Bar, section	1C	HC8	Castings, remelting stock	3D
DTD5015	Castings	2A	HC9	Castings, remelting stock	3D
DTD5018	Castings	1F	HC10	Castings, remelting stock	3D
DTD5023	Sheet, strip	6A	HC101	Castings, remelting stock	4D
DTD5024	Forgings	1E	HC102	Castings, remelting stock	4D
DTD5025	Castings	2A	HC103	Castings, remelting stock	4D
DTD5030	Plate	1B	HC104	Castings, remelting stock	4D
DTD5035	Castings	2A	HC105	Castings, remelting stock	4D
DTD5036	Wire, rivets, split pins	4E	HC106	Castings, remelting stock	4D
DTD5040	Plate	1B	HC202	Castings, remelting stock	5D
DTD5041	Bar, section	2B	HC203	Castings, remelting stock	5D
			HC204	Castings, remelting stock	5D
			HC205	Castings, remelting stock	5D

SPEC	FORM	TABLE	SPEC	FORM	TABLE
HC206	Castings, remelting stock	5D	L44	Bar, section	1C
HC207	Castings, remelting stock	5D	L44	Forgings, forging stock	1E
HC208	Castings, remelting stock	5D	L51	Castings	1F
HC209	Castings, remelting stock	5D	L54	Tube	1D
HC210	Castings, remelting stock	5D	L56	Tube	1D
HC211	Castings, remelting stock	5D	L58	Wire for rivets	1G
HC301	Castings, remelting stock	5D	L59	Sheet, strip	1A
HC401	Castings, remelting stock	3D	L60	Sheet, strip	1A
HC402	Castings	3D	L61	Sheet, strip	1A
HC403	Castings	3D	L63	Tube	1D
HC404	Castings	4D	L77	Forgings, forging stock	1E
HC502	Castings, remelting stock	7	L78	Castings	1F
HR1	Bar, forgings, forging stock	5B	L80	Sheet, strip	1A
HR2	Bar, forgings, forging stock	5B	L81	Sheet, strip	1A
HR3	Bar, forgings, forging stock	5B	L83	Bar, section	1C
HR4	Bar, forgings, forging stock	5B	L83	Forgings, forging stock	1E
HR5	Bar, forgings, forging stock	5B	L85	Bar, section	1C
HR6	Bar, forgings, forging stock	5B	L85	Forgings, forging stock	1E
HR10	Bar, forgings, forging stock	5B	L86	Wire for rivets	1G
HR40	Bar, forgings, forging stock	5B	L87	Hexagonal bar	1C
HR51	Bar, forgings, forging stock	5B	L88	Sheet, strip	1A
HR52	Bar, forgings, forging stock	5B	L93	Plate	1B
HR53	Bar, forgings, forging stock	5B	L95	Plate	1B
HR55	Bar, forgings, forging stock	5B	L97	Plate	1B
HR201	Sheet, strip, plate	5A	L98	Plate	1B
HR202	Sheet, strip	5A	L99	Castings	1F
HR203	Sheet, strip, plate	5A	L102	Bar, section	1C
HR204	Sheet, strip	5A	L103	Forgings, forging stock	1E
HR205	Sheet, strip	5A	L105	Tube	1D
HR206	Sheet, strip, plate	5A	L109	Sheet, strip	1A
HR207	Sheet, strip, plate	5A	L110	Sheet, strip	1A
HR208	Sheet, strip, plate	5A	L111	Bar, section	1C
HR209	Sheet, strip, plate	5A	L112	Forgings, forging stock	1E
HR240	Sheet, strip	5A	L113	Sheet, strip	1A
HR401	Tube	5C	L114	Tube	1D
HR402	Tube	5C	L115	Plate	1B
HR403	Tube	5C	L116	Tube	1D
HR404	Tube	5C	L117	Tube	1D
HR501	Wire for springs	5E	L118	Tube	1D
HR502	Wire for springs	5E	L119	Castings	1F
HR503	Wire for thread inserts	5E	L121	Castings	2A
HR504	Bar & wire for fasteners	5E	L122	Castings	2A
HR505	Wire for thread inserts	5E	L124	Castings	2A
HR506	Wire for locking wire	5E	L125	Castings	2A
HR601	Bar & wire for fasteners	5E	L126	Castings	2A
HR650	Bar & wire for fasteners	5E	L127	Castings	2A
L16	Sheet, strip	1A	L128	Castings	2A
L17	Sheet, strip	1A	L154	Castings	1F
L34	Bar, section	1C	L155	Castings	1F
L34	Forgings, forging stock	1E	L156	Sheet, strip	1A
L36	Wire for rivets	1G	L157	Sheet, strip	1A
L37	Wire for rivets	1G	L158	Sheet, strip	1A
			L159	Sheet, strip	1A
			L160	Bar, section	1C

SPEC	FORM	TABLE	SPEC	FORM	TABLE
L161	Forgings, forging stock	1E	S125	Bar, forgings, forging stock	4B
L162	Forgings, forging stock	1E	S126	Bar, forgings, forging stock	4B
L163	Sheet, strip	1A	S127	Bar, forgings, forging stock	4B
L164	Sheet, strip	1A	S128	Bar, forgings, forging stock	4B
L165	Sheet, strip	1A	S129	Bar, forgings, forging stock	4B
L166	Sheet, strip	1A	S130	Bar, forgings, forging stock	4B
L167	Sheet, strip	1A	S131	Bar, forgings, forging stock	3B
L168	Bar, section	1C	S132	Bar, forgings, forging stock	3B
L169	Castings	1F	S133	Bar, forgings, forging stock	3B
L170	Bar, section	1C	S134	Bar, forgings, forging stock	3B
L171	Forgings	1E	S135	Bar, forgings, forging stock	3B
L172	Forging stock	1E	S136	Bar, forgings, forging stock	3B
L173	Castings	1F	S137	Bar	3B
L174	Castings	1F	S138	Bar, forgings, forging stock	3B
L503	Tube	2B	S139	Bar, forgings, forging stock	3B
L504	Sheet, strip	2B	S140	Bar, forgings, forging stock	3B
L505	Bar, section	2B	S141	Bar, forgings, forging stock	4B
L508	Bar, section	2B	S142	Bar, forgings, forging stock	3B
L509	Tube	2B	S143	Bar, forgings, forging stock	4B
L512	Bar, section	2B	S144	Bar, forgings, forging stock	4B
L513	Forgings, forging stock	2B	S145	Bar, forgings, forging stock	4B
L514	Forgings, forging stock	2B	S146	Bar, forgings, forging stock	3B
L515	Sheet, strip	2B	S147	Bar, forging stock	3B
S1	Bar	3B	S148	Bar, forging stock	3B
S14	Bar, forgings, forging stock	3B	S149	Bar, forging stock	3B
S15	Bar, forgings, forging stock	3B	S150	Bar, forgings, forging stock	4B
S21	Bar, forgings, forging stock	3B	S151	Bar, forgings, forging stock	4B
S28	Bar, forgings, forging stock	3B	S152	Bar, forgings, forging stock	4B
S61	Bar, forgings, forging stock	4B	S153	Bar, forgings, forging stock	3B
S62	Bar, forgings, forging stock	4B	S154	Bar, forgings, forging stock	3B
S70	Bar, forgings, forging stock	3B	S155	Bar, forgings, forging stock	3B
S79	Bar, forgings, forging stock	3B	S156	Bar, forgings, forging stock	3B
S80	Bar, forgings, forging stock	4B	S157	Bar, forgings, forging stock	3B
S82	Bar, forgings, forging stock	3B	S158	Bar, forging stock	3B
S91	Bar, forgings, forging stock	3B	S159	Bar, forging stock	4B
S92	Bar, forgings, forging stock	3B	S160	Bar	4B
S93	Bar, forgings, forging stock	3B	S161	Bar, forgings, forging stock	4B
S95	Bar, forgings, forging stock	3B	S162	Bar, forgings, forging stock	3B
S97	Bar, forgings, forging stock	3B	S163	Bar, forgings, forging stock	3B
S98	Bar, forgings, forging stock	3B	S201	Wire, springs	3E
S99	Bar, forgings, forging stock	3B	S202	Wire, springs	3E
S102	Bar, forgings, forging stock	3B	S203	Wire, springs	3E
S105	Bar, forging stock	3B	S204	Wire, springs	3E
S106	Bar, forgings, forging stock	3B	S205	Wire, springs	4E
S111	Bar, forgings, forging stock	3B	S206	Rod, wire, springs	4E
S112	Bar	3B	S510	Sheet, strip	3A
S113	Bar	3B	S511	Sheet, strip	3A
S114	Bar, forgings, forging stock	3B	S513	Strip	3A
S116	Bar	3B	S514	Sheet, strip	3A
S117	Bar, forgings, forging stock	3B	S515	Sheet, strip	3A
S119	Bar, forgings, forging stock	3B	S516	Sheet, strip	3A
S120	Bar, forgings, forging stock	3B	S517	Sheet, strip	3A
S124	Bar, forgings, forging stock	4B	S524	Sheet, strip	4A
			S525	Sheet, strip	4A

SPEC	FORM	TABLE	SPEC	FORM	TABLE
S526	Sheet, strip	4A	TA23	Forging stock	6D
S527	Sheet, strip	4A	TA24	Forgings	6D
S528	Sheet, strip	4A	TA25	Bar	6B
S529	Sheet, strip	4A	TA26	Forging stock	6D
S530	Sheet, strip	4A	TA27	Forgings	6D
S531	Sheet, strip	4A	TA28	Wire for fasteners	6B
S532	Sheet, strip	4A	TA38	Bar	6B
S533	Sheet, strip	4A	TA39	Forging stock	6D
S534	Sheet, strip	3A	TA40	Bar	6B
S535	Sheet, strip	3A	TA41	Forging stock	6D
S536	Sheet, strip	4A	TA42	Forgings	6D
S537	Sheet, strip	4A	TA43	Forging stock	6D
S538	Sheet, strip	4A	TA44	Forgings	6D
T2	Tube	3C	TA45	Bar	6B
T45	Tube	3C	TA46	Bar	6B
T51	Tube	7	TA47	Forging stock	6D
T53	Tube	3C	TA48	Forgings	6D
T57	Tube	3C	TA49	Bar	6B
T60	Tube	3C	TA50	Forging stock	6D
T64	Tube	3C	TA51	Forgings	6D
T66	Tube	4C	TA52	Sheet, strip	6A
T67	Tube	4C	TA53	Bar	6B
T68	Tube	4C	TA54	Forging stock	6D
T69	Tube	4C	TA55	Forgings	6D
T72	Tube	4C	TA56	Plate	6A
T73	Tube	4C	TA57	Plate	6A
T74	Tube	4C	TA58	Plate	6A
T75	Tube	4C	TA59	Sheet, strip	6A
T76	Tube	3C			
T77	Tube	3C			
T78	Tube	3C			
T79	Tube	3C			
T80	Tube	4C			
TA1	Sheet, strip	6A			
TA2	Sheet, strip	6A			
TA3	Bar	6B			
TA4	Forging stock	6D			
TA5	Forgings	6D			
TA6	Sheet, strip	6A			
TA7	Bar	6B			
TA8	Forging stock	6D			
TA9	Forgings	6D			
TA10	Sheet	6A			
TA11	Bar	6B			
TA12	Forging stock	6D			
TA13	Forgings	6D			
TA21	Sheet, strip	6A			
TA22	Bar	6B			

WITHDRAWN OR SUPERSEDED SPECIFICATION	REFER TO		WITHDRAWN OR SUPERSEDED SPECIFICATION	REFER TO	
	SPECIFICATION	TABLE		SPECIFICATION	TABLE
DTD1	S82	3B	DTD239	S203	3E
DTD2	S15	3B	DTD247	S131	3B
DTD3	S157	3B	DTD252	L168	1C
DTD4	S204	3E	DTD254	T57	3C
DTD5	S202	3E	DTD259	L512	2B
DTD7	S97	3B	DTD265	B24	7
DTD8	S97	3B	DTD276	L78	1F
DTD10	HR205	5A	DTD278	L80	1A
DTD12	S511	3A	DTD281	L124	2A
DTD14	B21	7	DTD285	L125	2A
DTD18	L103	1E	DTD287	L51	1F
DTD19	S28	3B	DTD289	L122	2A
DTD21	S61	4B	DTD292	L80	1A
DTD22	S62	4B	DTD293	L83	1C, 1E
DTD23	DTD161, DTD189	4E	DTD289	L122	2A
DTD42	S526, S527	4A	DTD299	S91	3B
DTD43	S129, S130	4B	DTD303	L58	1G
DTD49	S111	3B	DTD306	S106	3B
DTD57	S524, S525	4A	DTD310	L56	1D
DTD59	L121	2A	DTD323	B27	7
DTD76	S80	4B	DTD327	L86	1G
DTD88	L513	2B	DTD328	HR208	5A
DTD89	T45	3C	DTD330	DTD5092, DTD5102	3B
DTD100	S514	3A	DTD331	S99	3B
DTD105	T80	4C	DTD342	L165	1A
DTD110	L37	1G	DTD347	T77	3C
DTD111	L163, L164	1A	DTD348	L503	2B
DTD113	T64	3C	DTD351	L165	1A
DTD124	S514	3A	DTD356	L157	1A
DTD126	S92	3B	DTD359	T53, T77	3C
DTD127	L512	2B	DTD363	L170	1C
DTD130	L83	1C, 1E	DTD364	L168	1C
DTD133	L51	1F	DTD390	L163, L164	1A
DTD137	S516	3A	DTD408	T60	3C
DTD138	S517	3A	DTD410	L83	1C, 1E
DTD141	S511	3A	DTD412	HC502	7
DTD144	S526, S527	4A	DTD423	L85	1C, 1E
DTD148	L36	1G	DTD463	S80	4B
DTD149	DTD167	3C	DTD464	L63	1D
DTD156	S129, S130	4B	DTD473	S98	3B
DTD166	S524, S525	4A	DTD480	S95	3B
DTD171	S526, S527	4A	DTD485	HC403	
DTD176	S129, S130	4B	DTD490	S154	3B
DTD178	T53	3C	DTD493	S531	4A
DTD187	S513	3A	DTD498	B25	7
DTD188	S114	3B	DTD500	S99	3B
DTD197	B23	7	DTD504	B26	7
DTD203	T80	4C	DTD519	S157	3B
DTD207	T66, T67	4C	DTD525	S124	4B
DTD209	L80	1A	DTD529	S125, S126, S127, S128	4B
DTD211	T68, T69	4C	DTD546	L165	1A
DTD213	L59	1A	DTD600	S95	3B
DTD215	S201	3E	DTD603	L156	1A
DTD233	HC402	3D	DTD606	L81	1A

WITHDRAWN OR SUPERSEDED SPECIFICATION	REFER TO		WITHDRAWN OR SUPERSEDED SPECIFICATION	REFER TO	
	SPECIFICATION	TABLE		SPECIFICATION	TABLE
DTD610	L164	1A	DTD5072	HC8, HC10	3D
DTD619	L514	2B	DTD5074	L170	1C
DTD622	L505	2B	DTD5076	HR650	5E
DTD626	L504	2B	DTD5077	HR601	5E
DTD634	L80	1A	DTD5080	L113	1A
DTD646	L157	1A	DTD5087	HR506	5E
DTD650	S112	3B	DTD5090	L97, L98	1B
DTD653	L60	1A	DTD5103	TA45, TA46, TA47, TA49, TA	6B, 6D
DTD666	HC9	3D	DTD5104	L171, L172	1E
DTD683	DTD5024, DTD5114	1C, 1E	DTD5113	TA25	6B
DTD687	L88	1A	DTD5123	TA22, TA23	6B, 6D
DTD703	HR203	5A	DTD5124	L170	1C
DTD705	HC8, HC10	3D	DTD5133	TA21	6A
DTD708	L126	2A	DTD5153	TA48, TA51	6D
DTD710	L166	1A	DTD5163	TA59, TA10	6A
DTD712	S536	4A	DTD5172	HC7, HC9	3D
DTD713	T79	3C	DTD5173	TA11, TA12	6B, 6D
DTD715	S137	3B	DTD5183	TA2	6A
DTD719	HC404		DTD5192	S163	3B
DTD721	L127	2A	DTD5193	TA6	6A
DTD723	T78	3C	DTD5199	HC1	3D
DTD726	L505	2B	DTD5203	TA38, TA39, TA40, TA41	6D, 6E
DTD729	L514	2B	DTD5209	HC2	3D
DTD730	S132	3B	DTD5212	S162	3B
DTD736	HR1	5B	DTD5219	HC3	3D
DTD743	T72, T73	4C	DTD5223	TA42	6D
DTD746	L167	1A	DTD5229	HC4	3D
DTD747	HR2	5B	DTD5233	TA52	6A
DTD748	L128	2A	DTD5239	HC5	3D
DTD749	L512	2B	DTD5243	TA53	6B
DTD5001	L515	2B	DTD5249	HC6	3D
DTD5002	S133	3B	DTD5253	TA54	6D
DTD5003	DTD5273, DTD5283	6B, 6D	DTD5259	HC103	4D
DTD5006	S205	4E	DTD5263	TA55	6D
DTD5007	HR3	5B	DTD5269	HC104	4D
DTD5011	L508	2B	DTD5279	HC105	4D
DTD5012	S134	3B	DTD5299	HC101	4D
DTD5016	T72, T73	4C	DTD5309	HC102	4D
DTD5017	HR4	5B			
DTD5019	B27	7	HC501	HC502	7
DTD5020	L93	1B			
DTD5021	L509	2B	HR11	HR55	5B
DTD5022	S135	3B	HR54	S150	4B
DTD5026	HR650	5E			
DTD5027	HR202	5A	L1	L102	1C
DTD5028	L99	1F	L3	L166	1A
DTD5033	TA1	6A	L38	L164, L163	1A
DTD5046	S538	4A	L39	L102	1C
DTD5047	HR207	5A	L40	L168, L77	1C, 1E
DTD5050	L95	1B	L43	L77	1E
DTD5054	DTD5114	1C	L45	L168, L77	1C, 1E
DTD5060	DTD5110	1B	L47	L165	1A
DTD5063	TA6	6A	L62	L105	1D
DTD5067	HR4	5B	L64	L102	1C

WITHDRAWN OR SUPERSEDED SPECIFICATION	REFER TO		WITHDRAWN OR SUPERSEDED SPECIFICATION	REFER TO	
	SPECIFICATION	TABLE		SPECIFICATION	TABLE
L65	L77, L168	1C, 1E	T4	L105	1D
L67	L116	1D	T9	L54	1D
L70	L156	1A	T35	T64	3C
L71	L157	1A	T55	T66, T67	4C
L72	L163, L164	1A	T58	T68, T69	4C
L73	L165	1A	T59	T77	3C
L76	L103	1E	T65	T77	3C
L89	L166	1A			
L90	L167	1A	TA29	TA45	6B
L104	L157	1A	TA30	TA47	6D
L106	L156	1A	TA31	TA48	6D
L107	L164	1A	TA32	TA46	6B
L108	L166	1A	TA33	TA47	6D
L150	L157	1A	TA34	TA48	6D
L151	L164	1A	TA35	TA46, TA49	6B
L152	L165	1A	TA36	TA47, TA50	6D
L153	L164	1A	TA37	TA48, TA51	6D
L501	L512	2B			
L502	L513	2B			
L506	L514	2B			
L507	L515	2B			
S2	S95, S154	3B			
S3	S510	3A			
S4	S514	3A			
S6	S93	3B			
S11	S95, S154	3B			
S19	S62	4B			
S35	S1	3B			
S65	S97	3B			
S69	S95, S154	3B			
S81	S97	3B			
S84	S511	3A			
S86	S514	3A			
S90	S157	3B			
S94	S154	3B			
S96	S154	3B			
S103	S148	3B			
S107	S157	3B			
S108	S125, S126	4B			
S109	S127, S128	4B			
S110	S129, S130	4B			
S518	S534	3A			
S519	S535	3A			
S520	S524, S525	4A			
S521	S526, S527	4A			
S522	S528, S529	4A			
S523	S530, S531	4A			

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SPECIFICATION AND DESCRIPTION				SIMILAR SPECIFICATIONS	
				PREFERRED	OTHERS
BS/DTD	STATUS	AECMA ALLOY DESIGNATION	TEMPER	AECMA (pr)EN	USA
L16	Current	AL-P1200-	H14/H24	3996	AMS4003
L17	Current		O		AMS4001
L59	Current	AL-P3103-	H16/H26	4004	AMS4008
L60	Obsolescent		H12/H22		
L61	Obsolescent		O		AMS4006
L80	Obsolescent	AL-P5251-	O		
L81	Obsolescent		H16/H26		
L88	Withdrawn	AL-P7075- clad	T6/T62	2092	AMS-QQ-A-250/13 - T6/T62 AMS4049
L109	Current	AL-P2024- clad	T3	2090	AMS-QQ-A-250/5 - T3 AMS4041
L110	Current		T42	2703	AMS-QQ-A-250/5 - T42
L113	Current	AL-P6082-	T6/T62	4007	
L156	Withdrawn	AL-P2014A	T4/T42	2395	
L158	Obsolescent				
L157	Withdrawn		T6/T62	2089	AMS4029
L159	Obsolescent				
L163	Obsolescent	AL-P2014A clad	T3		
L164	Current		T4/T42	2088	AMS-QQ-A-250/3 - T4/T42
L166	Current		T6/T62	2087	AMS-QQ-A-250/3 - T6/T62
L165	Current				
L167	Current				
DTD5070	Obsolescent	AL-P2618A clad	T62	3552	

TABLE 1B - ALUMINUM ALLOY - PLATE

SPECIFICATION AND DESCRIPTION				SIMILAR SPECIFICATIONS	
				PREFERRED	OTHERS
BS/DTD	STATUS	AECMA ALLOY DESIGNATION	TEMPER	AECMA (pr)EN	USA
L93	Obsolescent	AL-P2014A	T651	2124	AMS4029
DTD5010	Obsolescent		T4		
L95	Obsolescent	AL-P7075-	T651	2126	AMS-QQ-A-250/12 - T651 AMS4045
L97	Current	AL-P2024-	T351	2422	
L98	Obsolescent		T42	4247	AMS-QQ-A-250/4 - T42
L115	Current	AL-P6082-	T651	4202	
DTD5030	Obsolescent	AL-P2014A clad	T4		
DTD5040	Obsolescent		T6		
DTD5100	Obsolescent	AL-P2024- clad	T351	4211 (T42)	AMS-QQ-A-250/5 - T351 AMS4034
DTD5110	Obsolescent	AL-P7075- clad	T6		AMS4049
DTD5120	Obsolescent	AL-P7010-	T7651	2684	AMS4204
DTD5130	Obsolescent		T7451	2687	AMS4205

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SPECIFICATION AND DESCRIPTION					SIMILAR SPECIFICATIONS	
					PREFERRED	OTHERS
BS/DTD	STATUS	AECMA ALLOY DESIGNATION	TEMPER	PRODUCT FORM	AECMA (pr)EN	USA
L34	Obsolescent	AL-P1200-	F/O	Extruded bar & Section		
L44	Obsolescent	AL-P5251-	F/O	Extruded bar & Section		
L83	Obsolescent	AL-P2031-	T6/T6511	Extruded bar & Section		
L85	Obsolescent		T6/T6511	Extruded bar & Section		
L87	Obsolescent	AL-P2014A	T6	Hexagonal bar for nuts, couplings & hollow machined parts		
L102	Obsolescent		T4511	Extruded bar & Section	2100 2634 (PCGC)	
L168	Current		T6	Extruded bar & Section	2324 2639 (PCGC)	AMS4153
			T6511	Extruded bar & Section	2384 2635 (PCGC)	
L111	Obsolescent	AL-P6082-	T6	Extruded bar & Section	2326 2636 (PCGC)	
			T6511	Extruded bar & Section	4273 4274 (PCGC)	
L160	Obsolescent	AL-P7075-	T73511	Extruded bar & Section	2127 2632 (PCGC)	AMS4167
L170	Obsolescent		T6510	Extruded bar & Section	2698 2707 (PCGC)	AMS4168
			T6511	Extruded bar & Section	2394 2631 (PCGC)	AMS4169
DTD297	Obsolescent		O	Extruded bar & Section		
DTD372	Obsolescent	AL-P6063-	T4	Extruded bar & Section		
DTD5014	Obsolescent	AL-P2618A	T6511	Extruded bar & Section	3553	
DTD5044	Obsolescent	AL-P7014-	T6511	Extruded bar & Section		
DTD5114	Obsolescent		T6/T6511	Extruded bar & Section		

PCGC = Peripheral Coarse Grain Control

TABLE 1D - ALUMINUM ALLOY - TUBE

SPECIFICATION AND DESCRIPTION					SIMILAR SPECIFICATIONS	
					PREFERRED	OTHERS
BS/DTD	STATUS	AECMA ALLOY DESIGNATION	TEMPER	TYPE	AECMA (pr)EN	USA
L54	Current	AL-P1200-	F	Hydraulic		
L116	Withdrawn		F	Weldable	2073	AMS4062 WW-T-700/1
L56	Current	AL-P5251-	O	Hydraulic		AMS4071 WW-T-700/4 (O)
L63	Current	AL-P2014A	T8	Structural	2387	
L105	Current		T3	Structural	3346	
		AL-P6082-	T4/42	Structural	2389	
L114	Current		T6/T62	Structural	2390	
L117	Current	AL-P6061-	T6	Structural	2392	AMS4082 WW-T-700/6F (T6)
L118	Current		T6	Hydraulic	2813	AMS4083 MIL-T-7081

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SPECIFICATION AND DESCRIPTION					SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	AECMA ALLOY DESIGNATION	TEMPER	PRODUCT FORM	AECMA (pr)EN	USA
L34	Obsolescent	AL-P1200-	F/O	Forgings		
			F	Forging stock		
L44	Obsolescent	AL-P5251-	F/O	Forgings		
			F	Forging stock		
L83	Obsolescent	AL-P2031-	T6	Forgings		
			F	Forging stock		
L85	Obsolescent		T6	Forgings		
			F	Forging stock		
L77	Current	AL-P2014A	T6	Forgings	2382	AMS4135
L103	Obsolescent		T4	Forgings	2383	AMS4134
L77/L103	Current		F	Forging stock	2485	
L112	Current	AL-P6082-	T6	Forgings		
			F	Forging stock		
L161	Obsolescent	AL-P7075-	T73	Die forgings	3880	AMS4141
			T73	Hand forgings	3881	
L162	Obsolescent	AL-P7075-	T7352	Hand forgings	2386	AMS4147
L161/L162	Obsolescent		F	Forging stock	2488	AMS4141
L171	Current	AL-P7014-	T761	Forgings		
L172	Current		F	Forging stock		
DTD5024	Obsolescent		T6	Forgings		
DTD5094	Obsolescent		F	Forging stock		
		T6	Forgings			
DTD150	Obsolescent		F	Forging stock		
			T4	Forgings		
DTD246	Obsolescent		T6	Forgings		
			F	Forging stock		
DTD297	Obsolescent		O	Forgings		
			F	Forging stock		
DTD731	Obsolescent	AL-P2618A	T6	Die & Hand forgings	2085	AMS4132
			F	Forging stock	2486	
DTD5004	Obsolescent		T6	Forgings		
			F	Forging stock		
DTD5636	Obsolescent	AL-P7010-	T74	Die forgings	2681	
			F	Forging stock	4287	

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SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	AECMA ALLOY DESIGNATION	COMMON NAME	TEMPER	TYPE	PREFERRED	OTHERS
						AECMA (pr)EN	USA
L51	Obsolescent			T5	Sand castings Chill castings		
L78	Obsolescent		355	T6	Sand castings Chill castings		AMS4212
L119	Current	AL-C21201	RR350	T6	Sand castings	2725	
L154	Current	AL-C21001		T4	Sand castings Chill castings	2721 2722	
L155	Current			T6	Sand castings Chill castings	2723 2724	
L169	Current			AL-C42201	A357	T6	Sand castings Chill castings
L99	Current	AL-C42101	A356	T6	Sand castings Chill castings	2728 2729	AMS4218
L173	Current			T7	Chill castings		
L174	Current			T7	Sand castings		
DTD716	Obsolescent			F	Sand castings Chill castings		
DTD722	Obsolescent			T5	Sand castings Chill castings		
DTD727	Obsolescent			T4	Sand castings Chill castings		
DTD735	Obsolescent			T6	Sand castings Chill castings		
DTD5008	Obsolescent		D712	T1, T2	Sand castings		
DTD5018	Obsolescent			T4	Sand castings Chill castings		

TABLE 1G - ALUMINUM ALLOY - WIRE FOR THE MANUFACTURE OF SOLID, COLD FORGED RIVETS

SPECIFICATION AND DESCRIPTION					SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	AECMA ALLOY DESIGNATION	SUPPLY TEMPER	TEST TEMPER	PREFERRED	OTHERS
					AECMA (pr)EN	USA
L36	Current	AL-P1050A	F	F	2114	QQ-A-430 1100
L37	Current	AL-P2014A	H13	T42		
L58	Obsolescent	AL-P5056A	O	O	2628	QQ-A-430 5056
L86	Obsolescent	AL-P2217-	F	T42	2116	QQ-A-430 2117

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SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS			
						PREFERRED	OTHERS		
BS/DTD	STATUS	AECMA ALLOY DESIGNATION	COMMON NAME	TEMPER	TYPE	AECMA (pr)EN	USA		
L121	Withdrawn	MG-C18001	AZ8 AZ81A	F	Sand castings				
							Chill castings		
L122	Current			T4	Sand castings				
					Chill castings				
L124	Obsolescent		AZ91 AZ91A	T4	Sand castings				
							Chill castings		
L125	Obsolescent				T6	Sand castings		AMS4437	
							Chill castings		
			AZ91C	T6	Investment castings		AMS4452		
L126	Current	MG-C58002	ZRE1 EZ33A	T5	Sand castings	2735	AMS4442		
								Chill castings	2736
L127	Obsolescent	MG-C83001	Z5Z ZK51A	T5	Sand castings		AMS4443		
								Chill castings	
L128	Current	MG-C85001	RZ5 ZE41A	T5	Sand castings	2738	AMS4439		
								Chill castings	2739
DTD5005	Obsolescent	MG-C58001	ZT1 HZ321A	T5	Sand castings	2733	AMS4447		
								Chill castings	2734
DTD5015	Obsolescent	MG-C85002	TZ6 ZH62A	T5	Sand castings		AMS4438		
								Chill castings	
DTD5025	Obsolescent		MSR-A	T6	Sand castings				
								Chill castings	
DTD5035	Obsolescent	MG-C46001	MSR-B	T6	Sand castings	2731			
								Chill castings	2732
DTD5045	Obsolescent		ZE63	T6	Sand castings		AMS4425		
								Chill castings	
DTD5055	Obsolescent		QE22A-	T6	Sand castings		AMS4418		
								Chill castings	

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SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
						PREFERRED	OTHERS
BS/DTD	STATUS	AECMA ALLOY DESIGNATION	COMMON NAME	TEMPER	PRODUCT FORM	AECMA (pr)EN	USA
DTD5111	Obsolescent		ZTY	F	Forgings & forging stock		
DTD5091	Obsolescent		ZM21	0	Sheet & strip		
DTD5101	Obsolescent			H14	Sheet & strip		
DTD118	Obsolescent		AM503	F	Sheet & strip		AMS4370
DTD142	Obsolescent		M1A		Bar & extruded section		
DTD737	Obsolescent				Tube		
DTD5041	Obsolescent		ZW6	T5	Bar & extruded section		
L508	Obsolescent		ZW1	F	Bar & extruded section		
L509	Obsolescent		ZK10		Tube		
L515	Obsolescent				Sheet & strip		
L503	Obsolescent		AZM	F	Tube		
L512	Obsolescent	Al 6.0 Zn 1.0	AZ61A		Bar & extruded section		AMS4350
L513	Current				Forgings & forging stock		AMS4358
DTD5081	Obsolescent		ZW3	F	Plate		
L504	Obsolescent	Zn 3.0			Sheet & strip		
L505	Obsolescent	Zr 0.6			Bar & extruded section		
L514	Obsolescent				Forgings & forging stock		

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SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
						PREFERRED	OTHERS
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	AECMA (pr)EN	USA
S510	Obsolescent	Carbon steel, weldable			Sheet & strip		
S511	Obsolescent	Deep drawing carbon steel, weldable			Sheet & strip		
S513	Current	Spring steel			Strip		
S514	Obsolescent	C-Mn steel, weldable			Sheet & strip		
S515	Obsolescent				Sheet & strip		
S516	<i>Withdrawn</i>	C-Mn steel, weldable			Sheet & strip		
S517	<i>Withdrawn</i>				Sheet & strip		
S534	Current	Cr-Mo steel, weldable	FE-PL1502 (25CrMo4)	4130	Sheet & strip	2209	MIL-S-6758
S535	Current				Sheet & strip		
DTD5052	Obsolescent	Ni-Cr-Mo-V steel			Plate		
DTD5062	Obsolescent	Mo-B steel, weldable			Sheet & strip		
DTD5112	Obsolescent	1% Cr-Mo steel, weldable			Sheet		

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SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
						PREFERRED	OTHERS
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	AECMA (pr)EN	USA
S1	Obsolescent	Carbon steel			Bar		
S14	Obsolescent	Carbon case hardening steel			Bar		
					Forgings		
					Forging stock		
S15	Obsolescent	3% Ni case hardening steel			Bar		
					Forgings		
					Forging stock		
S21	Obsolescent	'20' carbon steel, weldable			Bar		
					Forgings		
					Forging stock		
S28	Obsolescent	4% Ni-Cr-Mo steel (air hardening)			Bar		
					Forgings		
					Forging stock		
S70	<i>Withdrawn</i>	'55' carbon steel (normalized)			Bar		
					Forgings		
					Forging stock		
S79	<i>Withdrawn</i>	'55' carbon steel (hardened & tempered)			Bar		
					Forgings		
					Forging stock		
S82	Current	4% Ni-Cr-Mo case hardening steel	FE-PL2110 (16NiCrMo16)		Bar	2767	
					Forgings	2768	
					Forging stock	3522	
S91	Obsolescent	Mild steel (suitable for bearing shells)			Bar		
					Forgings		
					Forging stock		
S92	Obsolescent	C-Mn steel, weldable			Bar		
					Forgings		
					Forging stock		
S93	Obsolescent	'40' carbon steel (normalized)			Bar		
					Forgings		
					Forging stock		
S95	Obsolescent	1½% Ni-Cr-Mo steel			Bar		AMS6415
					Forgings		
					Forging stock		
S97	Obsolescent	2½% Ni-Cr-Mo steel			Bar		
					Forgings		
					Forging stock		
S98	Obsolescent	2½% Ni-Cr-Mo steel (high carbon)			Bar		
					Forgings		
					Forging stock		
S99	Current				Bar		AMS6415
					Forgings		
					Forging stock		
S102	Obsolescent	C-Mo steel (manufacture of forged bolts only)			Bar		
					Forgings		
					Forging stock		
S105	Obsolescent	Carbon steel (manufacture of forged bolts only)			Bar		
					Forging stock		

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SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	PREFERRED	OTHERS
S106	Current	3% Cr-Mo nitriding steel			Bar		AMS6475
					Forging stock		
S111	Obsolescent	Ni-Cr-W valve steel			Forgings		
					Forging stock		
S112	Obsolescent	Semi-free cutting carbon steel (primarily intended for manufacture of forged nuts)			Bar		
S113	Obsolescent	'40' carbon steel (primarily intended for manufacture of forged nuts)			Bar		
S114	Obsolescent	Mn-Mo steel			Bar		
					Forgings		
					Forging stock		
S116	Obsolescent	'40' carbon steel (primarily intended for manufacture of machined bolts)			Bar		
S117	Obsolescent	1% Cr steel			Bar		
					Forgings		
					Forging stock		
S119	<i>Withdrawn</i>	1½% Ni-Cr-Mo steel			Bar		
					Forgings		
					Forging stock		
S120	<i>Withdrawn</i>	2½% Ni-Cr-Mo steel (oil hardening)			Bar		
					Forgings		
					Forging stock		
S131	Current	High thermal expansion steel			Bar		
					Forgings		
					Forging stock		
S132	Current	3% Cr-Mo-V nitriding steel			Bar		
					Forgings		
					Forging stock		
S133	<i>Withdrawn</i>	¾% Ni-Cr case hardening steel			Bar		
					Forgings		
					Forging stock		
S134	Obsolescent	3% Cr-Mo-V steel (air hardening)			Bar		
					Forgings		
					Forging stock		
S135	Current	1% C-Cr steel, suitable for bearings	FE-PL1801 (100Cr6)	52100	Bar	2031	AMS6440
					Forgings	2222	
					Forging stock		
S136	Current	1% C-Cr steel (vacuum arc remelted), suitable for bearings	FE-PL1802 (100Cr6)	52100 VAR	Bar	3511	AMS6444
					Forgings	2225	
					Forging stock		

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SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
						PREFERRED	OTHERS
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	AECMA (pr)EN	USA
S137	Obsolescent	High Cr-Ni free machining steel			Bar		
S138	Obsolescent	3% Cr-Mo-V steel (vacuum remelted air hardening)			Bar		
					Forgings		
					Forging stock		
S139	Obsolescent	1½ Ni-Cr-Mo steel			Bar		
					Forgings		
					Forging stock		
S140	Current	2½% Ni-Cr-Mo steel	FE-PL2105 (31NiCrMo10)		Bar	3517	
					Forgings	3518	
					Forging stock	3520	
S142	Current	1% Cr-Mo steel	FE-PL1502 (25CrMo4)		Bar	2205	AMS6370
					Forgings	2207	
					Forging stock		
DTD5082	Obsolescent				Bar		
					Forgings		
					Forging stock		
S146	Current	4% Ni-Cr-Mo air hardening steel (vacuum arc remelted)	FE-PL2109 (36NiCrMo16)		Bar	2760	
					Forgings	2761	
					Forging stock		
S147	Current	½% Ni-Cr-Mo steel (manufacture of forged bolts & forged nuts)			Bar		
					Forging stock		
S148	Obsolescent	Low Ni-Cr steel (manufacture of forged bolts only)			Bar		
					Forging stock		
S149	Current	1¾% Ni-Cr-Mo steel (manufacture of forged bolts & forged nuts)			Bar		
					Forging stock		
S153	Current	2½% Ni-Cr-Mo steel	FE-PL2105 (31NiCrMo10)		Bar	2450	
					Forgings	2451	
					Forging stock	3520	
S154	Current				Bar	3519	
					Forgings	2455	
					Forging stock	3520	
S155	Current	Ni-Si-Cr-Mo-V steel (vacuum arc remelted)	FE-PL2111 (43NiSiCrMoV7)	300M	Bar	2762	AMS6419 MIL-S-8844
					Forgings	2759	
					Forging stock		
S156	Current	4% Ni-Cr-Mo case hardening steel (vacuum arc remelted)			Bar		
					Forgings		
					Forging stock		
S157	Current	3% Ni-Cr-Mo case hardening steel			Bar		
					Forgings		
					Forging stock		

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SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	PREFERRED	OTHERS
						AECMA (pr)EN	USA
S158	Current	1% Cr-Mo steel (manufacture of forged bolts & forged nuts)			Bar		
					Forging stock		
S162	Current	18% Ni-Co-Mo maraging steel (double vacuum melted)	FE-PM2701 (X1NiCoMoTiAl 18-5)	MARAGING 250 G110	Bar	3528	AMS6512 MIL-S-6850 type III grade 250
					Forgings	3529	
					Forging stock	3530	
DTD5232	Obsolescent	18% Ni-Co-Mo maraging steel			Bar		
					Forgings		
					Forging stock		
S163	Current	Ni-Cr-Mo-V steel		NCMV	Bar		
					Forgings		
					Forging stock		
DTD5222	Obsolescent	5% Cr-Mo-V steel (vacuum remelted)	FE-PM1501 (40CrMoV20)		Bar	2269	
					Forgings	2271	
					Forging stock		

TABLE 3C - NON-CORROSION RESISTING STEELS - TUBE

SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	TYPE	PREFERRED	OTHERS
						AECMA (pr)EN	USA
T2	Obsolescent	4/1 Ni-Cr steel					
T57	Obsolescent						
T45	Obsolescent	C-Mn steel, weldable					
T64	Obsolescent						
T53	Current	Cr-Mo steel, weldable	FE-PL1502 (25CrMo4)			2247	AMS6361 AMS6362
T60	Current						
T76	Current						
T77	Current					2211	
T78	Current	2½% Ni-Cr-Mo steel					
T79	Current						
DTD167	Obsolescent	Cr-Mo steel					
DTD503	Obsolescent	C-Mn steel			Hydraulic		
DTD740	Obsolescent	Mo-B steel, weldable					
DTD5132	Obsolescent	1% Cr-Mo steel, weldable					
DTD5142	Obsolescent						

THIS TABLE CARRIES NO DESIGN AUTHORISATION WHATSOEVER

SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
						PREFERRED	OTHERS
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	AECMA (pr)EN	USA
HC1	Obsolescent	Carbon steel			Precision castings		
					Sand castings		
					Centrifugal castings		
					Remelting stock		
HC2	Obsolescent	C-Mn steel			Precision castings		
					Sand castings		
					Centrifugal castings		
					Remelting stock		
HC3	Obsolescent	1% Cr-Mo low alloy steel			Precision castings		
					Sand castings		
					Centrifugal castings		
					Remelting stock		
HC4	Obsolescent	3% Cr-Mo steel			Precision castings		
					Sand castings		
					Centrifugal castings		
					Remelting stock		
HC5	Obsolescent	3% Ni case hardening steel			Precision castings		
					Sand castings		
					Remelting stock		
HC6	Obsolescent	3% Cr-Mo nitriding steel			Precision castings		
					Sand castings		
					Remelting stock		
HC7	Current	3% Cr-Mo steel			Precision castings		
					Sand castings		
					Centrifugal castings		
					Remelting stock		
HC8	Current	3% Cr-Mo steel			Precision castings		
					Sand castings		
					Centrifugal castings		
					Remelting stock		
HC9	Current	Ni-Cr-Mo steel			Precision castings		
					Sand castings		
					Centrifugal castings		
					Remelting stock		
HC10	Current	Ni-Cr-Mo steel			Precision castings		
					Sand castings		
					Centrifugal castings		
					Remelting stock		
HC401	Current	18% Ni Maraging steel		MARAGING	Precision castings		
					Remelting stock		
HC402	Current	Cast iron			Centrifugal castings		
HC403	Obsolescent	High Cr cast iron			Centrifugal castings		

THIS TABLE CARRIES NO DESIGN AUTHORISATION WHATSOEVER

						SIMILAR SPECIFICATIONS	
						PREFERRED	OTHERS
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	AECMA (pr)EN	USA
S201	Current	Cold drawn carbon steel			Wire & springs (high duty underground wire)		
S202	Current	Cold drawn carbon steel			Wire & springs (high duty underground wire)		
S203	Current	Carbon steel			Wire & springs (high duty underground wire)		
S204	Current	Cr-V steel			Wire & springs (high duty underground wire)		
DTD720	Obsolescent	'15' carbon steel			Rod & wire (suitable for blind rivets)		
DTD5152	Obsolescent	1% Cr-Mo steel			Wire (suitable for use as filler material)		

THIS TABLE CARRIES NO DESIGN AUTHORISATION WHATSOEVER

SPECIFICATION AND DESCRIPTION					SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PREFERRED	OTHERS
S524	Current	Cold rolled 18/10 Cr-Ni steel, Ti stabilized	FE-PA3601 (X6CrNiTi18-10)	30321		
S526	Current	18/10 Cr-Ni steel, Ti stabilized			3488	AMS5510
S525	Current	Cold rolled 18/10 Cr-Ni steel, Nb stabilized		30347		
S527	Current	18/10 Cr-Ni steel, Nb stabilized				AMS5512
S528	<i>Withdrawn</i>	23/14 Cr-Ni steel, Ti stabilized				
S529	<i>Withdrawn</i>	23/14 Cr-Ni steel, Nb stabilized				
S530	Obsolescent	24/17 Cr-Ni steel, Ti stabilized				
S531	<i>Withdrawn</i>	24/17 Cr-Ni steel, Nb stabilized				
S532	Obsolescent	Cr-Ni-Cu-Mo 'precipitation hardening steel		FV520S		
S533	Obsolescent					
S536	Current	Low carbon 18/10 Cr-Ni steel	FE-PA3901 (X2CrNi19-11)	30304L	2467	AMS5511
S537	Current	Low carbon 17/12 Cr-Ni-Mo steel		30316L		AMS5507
S538	Current	Cr-Ni-Mo-V steel	FE-PM1502 (X11CrNiMoVN12-3)	JETHETE M152 FV566	2280	

THIS TABLE CARRIES NO DESIGN AUTHORISATION WHATSOEVER

SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	AECMA (pr)EN	USA
S61	Obsolescent	12% Cr steel			Bar		
					Forgings		
					Forging stock		
S62	Obsolescent	12% Cr steel			Bar		
					Forgings		
					Forging stock		
S80	Current	High Cr-Ni steel	FE-PM3901 (X15CrNi17-3)	51431	Bar	3490	AMS5628
					Forgings	3491	MIL-S-18732
					Forging stock	3365	
S124	Obsolescent	12% Cr steel, free machining		51416	Bar		AMS5610
					Forgings		
					Forging stock		
S125	<i>Withdrawn</i>	23/14 Cr-Ni steel, Ti stabilized			Bar		
					Forgings		
					Forging stock		
S126	Obsolescent	23/14 Cr-Ni steel, Nb stabilized			Bar		
					Forgings		
					Forging stock		
S127	<i>Withdrawn</i>	24/17 Cr-Ni steel Ti stabilized			Bar		
					Forgings		
					Forging stock		
S128	<i>Withdrawn</i>	24/17 Cr-Ni steel Nb stabilized			Bar		
					Forgings		
					Forging stock		
S129	Obsolescent	18/9 Cr-Ni steel Ti stabilized	FE-PA3601 (X6CrNiTi18-10)	30321	Bar	3487	AMS5645
					Forgings	3468	
					Forging stock	3482	
S130	Current	18/9 Cr-Ni steel Nb stabilized		30347	Bar		AMS5646
					Forgings		
					Forging stock		
S141	Obsolescent	12% Cr steel			Bar		
					Forgings		
					Forging stock		
S143	Current	Cr-Ni-Cu-Mo precipitation hardening steel	FE-PM1801 (X5CrNiMoCu Nb14-5)	FV520B	Bar	2502	
					Forgings	2503	
					Forging stock		
S144	Current				Bar	2504	
					Forgings	2505	
					Forging stock		
S145	Current				Bar	2506	
					Forgings	2507	
					Forging stock		
S150	Current	Cr-Mo-V-Nb steel		FV448	Bar		
					Forgings		
					Forging stock		
S151	Current	Cr-Ni-Mo-V steel	FE-PM1502 (X11CrNiMoVN 12-3)	JETHETE M152 FV566	Bar	2278	AMS5719
					Forgings	2279	
					Forging stock		

THIS TABLE CARRIES NO DESIGN AUTHORISATION WHATSOEVER

SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
						PREFERRED	OTHERS
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	AECMA (pr)EN	USA
S152	Current	Cr-Co-Mo-V-Nb steel (consumable electrode remelted)	FE-PM1708 (X9CrCoMo11)	FV535	Bar	4244	
					Forgings	2494	
					Forging stock	4245	
S159	Current	12%Cr-Ni-Mo-V steel (suitable for the manufacture of fasteners)		FV566	Bar		
					Forging stock		
S160	Current	Cr-Ni steel (controlled nitrogen content)			Bar		
S161	Current	Cr-Ni-Mo steel (controlled nitrogen content)			Bar		

TABLE 4C - CORROSION RESISTING STEELS - TUBE

SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
						PREFERRED	OTHERS
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	AECMA (pr)EN	USA
T66	Current	18/10 Cr-Ni steel, Nb stabilized	FE-PA3701	30347	Weldable	3360 (D)	AMS5571
T72	Current				Hydraulic	3680 (D)	AMS5556 Seamless
T68	Current				Cold drawn 18/10 Cr-Ni steel, Nb stabilized	Structural	
T67	Obsolescent	18/10 Cr-Ni steel, Ti stabilized	FE-PA3601 (X6CrNiTi18-10)	30321	Weldable	3489	AMS5570
T73	Current				Hydraulic		AMS5557 Seamless
T69	Obsolescent				Cold drawn 18/10 Cr-Ni steel, Ti stabilized	Structural	
T74	Obsolescent	Low carbon 18/10 Cr-Ni steel	FE-PA3901 (X2CrNi19-11)	30304L	Weldable	2468	AMS5647
T75	Obsolescent	Low carbon 17/12 Cr-Ni-Mo steel		30316L	Weldable		AMS5653
T80	Current	12% Cr steel					

D = Draft specification

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SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	PREFERRED	OTHERS
						AECMA (pr)EN	USA
HC101	Current	Cr-Ni-Cu-Mo precipitation hardening steel		FV520	Precision castings		
					Sand castings		
					Centrifugal castings		
					Remelting stock		
HC102	Current				Precision castings		
					Sand castings		
					Centrifugal castings		
					Remelting stock		
HC103	Current	23% Cr-Ni-W steel		H.R. CROWN MAX 30309	Precision castings		
					Sand castings		
					Centrifugal castings		
					Remelting stock		
HC104	Current	19% Cr-10% Ni steel, Nb stabilized	FE-CM3901 (X8CrNiNb19-11)	30347	Precision castings	3363	
					Sand castings		
					Centrifugal castings		
					Remelting stock	3366	
HC105	Current	18% Cr-11% Ni -2.5% Mo steel, Nb stabilized			Precision castings		
					Sand castings		
					Centrifugal castings		
					Remelting stock		
HC106	Current	Cr-Ni-Cu precipitation hardening steel			Precision castings		
					Sand castings		
					Centrifugal castings		
					Remelting stock		

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SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	PREFERRED	OTHERS
HC404	Obsolescent	Cr-Mo cast iron			Sand castings Centrifugal castings		
DTD5289	Obsolescent	Cr-Ni-3½% Mo steel			Investment castings		

SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	PREFERRED	OTHERS
S205	Current	Austenitic Cr-Ni steel			Wire and springs		
DTD161	Obsolescent	12% Cr steel			Rod and wire (suitable for locking wire)		
DTD189	Obsolescent	Cr-Ni steel	FE-PA3601 (X6CrNiTi18-10)		Wire, rivets and split pins (suitable for locking wire)	2573	
DTD271	Obsolescent	12% Cr steel			Strip (suitable for magneto-breaker springs)		
DTD5036	Obsolescent	Low carbon Cr-Ni steel, weldable	FE-PA3901 (X1CrNi18-10)		Wire, rivets and split pins	2469 2470	
DTD5086 (to be superseded by S206)	Obsolescent	17/7 Cr-Ni precipitation hardening steel			Rod, wire and springs		

THIS TABLE CARRIES NO DESIGN AUTHORISATION WHATSOEVER

SPECIFICATION AND DESCRIPTION					SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	PREFERRED	OTHERS
HR201	Current	NI-PH8701 (NiCr20TiAl)	NIMONIC 80A	Sheet, strip & plate	2191	
HR202	Current	NI-PH1801 (NiCr20Co18Ti)	NIMONIC 90	Sheet & strip	2298	
HR203	Current	NI-PH1201 (NiCr20Ti)	NIMONIC 75	Sheet & strip Plate	2302 2411	
HR204	Current	NI-PH2301 (NiCr21Fe18Mo9)	HASTELLOY X	Sheet & strip	2185	AMS5536
HR205	Current	NI-PD9001 (NiCu31)	MONEL 400	Sheet & strip		AMS4544
HR206	Current	NI-PH1303 (NiCr20Co13Mo4Ti3Al)	NIMONIC 263	Sheet & strip Plate	2203 2418	AMS5872
HR207	Current		NIMONIC PE16	Sheet & strip Plate		
HR208	Current		INCONEL 600	Sheet & strip Plate		AMS5540
HR209	Current		NIMONIC PK33	Sheet & strip Plate		
HR240	Current	CO-PH4101 (CoCr20W15Ni)	HS25/L605	Sheet & strip	4568	AMS5537

THIS TABLE CARRIES NO DESIGN AUTHORISATION WHATSOEVER

SPECIFICATION AND DESCRIPTION					SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	AECMA (pr)EN	USA
HR1	Current	NI-PH8701 (NiCr20TiAl)	NIMONIC 80A REX 664	Bar	2188	
				Forgings	2189	
				Forging stock		
HR2	Current	NI-PH1801 (NiCr20Co18Ti)	NIMONIC 90 REX 670	Bar	2295	
				Forgings	2296	
				Forging stock		
HR3	Current	NI-PD1301 (NiCo20Cr15Mo5Al5Ti)	NIMONIC 105	Bar	2179	
				Forgings	2180	
				Forging stock		
HR4	Current	NI-PH1701 (NiCr15Co14Al5Ti4Mo4)	NIMONIC 115	Bar	4369	
				Forgings	2197	
				Forging stock	4370	
HR5	Current	NI-PH1201 (NiCr20Ti)	NIMONIC 75 REX 724	Bar	2306	
				Forgings	2307	
				Forging stock		
HR6	Current	NI-PH2301 (NiCr21Fe18Mo9)	HASTELLOY X INCO HX	Bar	2184	AMS5754
				Forgings	2183	
				Forging stock	3668	
HR10	Current	NI-PH1303 (NiCo20Cr20Mo5Ti2Al)	NIMONIC 263 REX 736	Bar	2199	AMS5886
				Forgings	2200	
				Forging stock		
HR40	Current	CO-PH4101 (CoCr20W15Ni)	HS25 / L605	Bar	4567	AMS5759
				Forgings	4566	
				Forging stock	4246	
HR51	Current	FE-PA2601 (X6NiCrTiMoV26-15)	A286 REX 559	Bar	4318	AMS5731
				Forgings	2172	
				Forging stock		
HR52	Current	FE-PA2602 (X4NiCrTiMoV26-15)	A286 (low Ti)	Bar	3510	
				Forgings	2174	
				Forging stock	4314	
HR53	Current	FE-PA2501 (X4NiCrMoTi43-13)	NIMONIC 901 INCOLOY 901 REX 688	Bar	2178	AMS5660
				Forgings	2177	
				Forging stock		
HR55	Current		NIMONIC PE16	Bar		
				Forgings		
				Forging stock		

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SPECIFICATION AND DESCRIPTION					SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES		PREFERRED	OTHERS
					AECMA (pr)EN	USA
HR401	Current	NI-PH8701 (NiCr20TiAl)	NIMONIC 80A			
HR402	Current	NI-PH1801 (NiCr20Co18Ti)	NIMONIC 90		2299	
HR403	Current	NI-PH1201 (NiCr20Ti)	NIMONIC 75		2294	
HR404	Current	NI-PH1303 (NiCo20Cr2OMo5Ti2Al)	NIMONIC 263		2202	

TABLE 5D - HEAT RESISTING ALLOYS - CASTINGS AND REMELTING STOCK

SPECIFICATION AND DESCRIPTION					SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	PREFERRED	OTHERS
					AECMA (pr)EN	USA
HC202	Current	NI-CH6301 (NiCr20Nb7Mo6W)	PE10	Precision castings	2198	
				Remelting stock		
HC203	Current	NI-CD7301 (NiCr13Al6Mo5Nb)	INCONEL 713 NIMOCAST 713C	Precision castings	2192	AMS5391
				Remelting stock		
HC204	Current	NI-CD1701 (NiCo15Cr10Al6Ti5Mo3)	INCONEL 100	Precision castings	2233	AMS5397
				Remelting stock		
HC205	Current	NI-CH1303 (NiCo20Cr2OMo5Ti2Al)	NIMONIC 263 C263	Precision castings	2204	
				Remelting stock		
HC206	Current	NI-CH1303 (NiCo20Cr2OMo5Ti2Al)	NIMONIC 263 C263	Precision castings	2204	
				Remelting stock		
HC207	Current	NI-CD1401 (NiCo10W10Cr9Al6Ta3)	MAR M002	Precision castings	4097	
				Remelting stock		
HC208	Current		MAR M246	Precision castings		
				Remelting stock		
HC209	Current		NIMOCAST 713LC	Precision castings		
				Remelting stock		
HC210	Current		NIMOCAST PD21	Precision castings		
				Remelting stock		
HC211	Current	NI-CH1305 (NiCr16Co10Mo8Al4Ti4)	NIMONIC 1023 C1023	Precision castings	4095	
				Remelting stock		
HC301	Current	CO-CH1401 (CoCr22NiW)	HS31 STELLITE 31	Precision castings	2161	AMS5382
				Remelting stock		

THIS TABLE CARRIES NO DESIGN AUTHORISATION WHATSOEVER

SPECIFICATION AND DESCRIPTION					SIMILAR SPECIFICATIONS	
					PREFERRED	OTHERS
BS/DTD	STATUS	AECMA ALLOY DESIGNATION (ISIS)	COMMON NAMES	PRODUCT FORM	AECMA (pr)EN	USA
HR501	Current	NI-PH1801 (NiCr20Co18Ti)	NIMONIC 90	Wire for springs		
HR502	Current	NI-PH1801 (NiCr20Co18Ti)	NIMONIC 90	Wire for springs		
HR503	Current	NI-PH1801 (NiCr20Co18Ti)	NIMONIC 90	Wire for thread inserts		
HR504	Current	NI-PH1201 (NiCr20Ti)	NIMONIC 75	Bar and wire for fasteners		
HR505	Current		INCONEL X750	Wire for thread inserts		
HR506	Current	NI-PH1801 (NiCr20Co18Ti)	NIMONIC 90	Wire for locking		
HR601	Current	NI-PH8701 (NiCr20TiAl)	NIMONIC 80A	Bar and wire for fasteners		
HR650	Current	FE-PA2601 (X6NiCrTiMoV26-15)	A286	Bar and wire for fasteners		AMS5732
DTD5638	Obsolescent	NI-PH2601 (NiCr19Fe19Nb5Mo3)	INCONEL 718	Bar and wire for fasteners	2952	AMS5662
					2961	AMS5663
					3666	
DTD5639	Obsolescent	NI-PH1302 (NiCr20Co13Mo4Ti3Al)	WASPALLOY	Bar and wire for fasteners	2959	AMS5707
					2960	
					3220	

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SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
						PREFERRED	OTHERS
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION	COMMON NAMES	PRODUCT FORM	AECMA (pr)EN	USA
TA1	Current	C.P.	TI-P99001	TIMETAL 35A	Sheet & strip	3441 (HR) 3497 (CR)	MIL-T-9046 CP4
TA2	Current		TI-P99002	TIMETAL 50A	Sheet & strip	3442 (HR) 3498 (CR)	AMS4902 MIL-T-9046 CP3
TA6	Current		TI-P99003	TIMETAL 75A	Sheet & strip	3443 (HR) 3499 (CR)	AMS4901 MIL-T-9046 CP1
DTD5023	Obsolescent			TIMETAL 65A	Sheet & strip		AMS4900 MIL-T-9046 CP2
TA10	Current	Ti 6Al-4V	TI-P64001	TIMETAL 6-4	Sheet		
TA56	Current				Plate	3464	AMS4911
TA59	Current				Sheet & strip	3456	AMS4911 MIL-T-9046 AB-1 Cond. A
TA21	Current	Ti 2.5Cu	TI-P19001	TIMETAL 230	Sheet & strip	3859 (HR) 3860 (CR)	
TA52	Current				Sheet & strip	3870 (HR) 3871 (CR)	
TA58	Current				Plate		
TA57	Current	Ti 4Al-4Mo-2Sn-0.5Si	TI-P63001	TIMETAL 550	Plate	3459	

HR = Hot rolled  
CR = Cold rolled

THIS TABLE CARRIES NO DESIGN AUTHORISATION WHATSOEVER

SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS		
						PREFERRED	OTHERS	
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION	COMMON NAMES	PRODUCT FORM	AECMA (pr)EN	USA	
DTD5013	Obsolescent	C.P.		TIMETAL 35A	Bar			
						Section		
TA3	Obsolescent		TI-P99002	TIMETAL 50A	Bar	3460		
						Section		
DTD5273	Obsolescent			TIMETAL 65A	Bar			
TA7	Current		TI-P99003	TIMETAL 100A	Bar	3461	AMS4921 MIL-T-9047 CP70 Cond. A	
					Section			
TA11	Current	Ti 6Al-4V	TI-P64001	TIMETAL 6-4	Bar	3311	AMS4928 MIL-T-9047 6Al-4V Cond. A	
					Section	3355		
TA28	Current				Wire for fasteners	3353	AMS4965 MIL-T-9047 6Al-4V Cond.STA	
TA22	Obsolescent	Ti 2.5Cu	TI-P19001	TIMETAL 230	Bar	3462		
					Section			
TA53	Obsolescent				Bar	3463		
					Section			
TA25	Withdrawn	Ti 11Sn-5Zr 2.2Al-1Mo-0.2Si		TIMETAL 679	Bar			
TA38	Current	Ti 4Al-4Mo- 4Sn-0.5Si-0.1C		TIMETAL 551	Bar			
TA40	Current				Bar			
TA45	Current	Ti 4Al-4Mo- 2Sn-0.5Si	TI-P63001	TIMETAL 550	Bar	3466		
					Section			
TA46	Current				Bar	3466		
					Section			
TA49	Current				Bar	3466		
		Section						

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SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS	
						PREFERRED	OTHERS
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION	COMMON NAMES	PRODUCT FORM	AECMA (pr)EN	USA
DTD5073	Obsolescent	C.P.		TIMETAL 65A	Tube		AMS4942
DTD5363	Obsolescent	Ti 6Al-4V	TI-C64001	TIMETAL 6-4	Castings	3352	AMS4985 AMS4991

TABLE 6D - TITANIUM ALLOYS - FORGINGS AND FORGING STOCK

SPECIFICATION AND DESCRIPTION						SIMILAR SPECIFICATIONS			
						PREFERRED	OTHERS		
BS/DTD	STATUS	ALLOY	AECMA ALLOY DESIGNATION	COMMON NAMES	PRODUCT FORM	AECMA (pr)EN	USA		
TA4	Obsolescent	C.P.	TI-P99002	TIMETAL 50A	Forging stock	3451			
TA5	Obsolescent				Forgings	3452			
DTD5283	Obsolescent			TIMETAL 65A	Forging stock				
DTD5293	Obsolescent				Forgings				
TA8	Obsolescent		TI-P99003	TIMETAL 100A	Forging stock	3453		AMS4921 MIL-T-9047 CP70	
TA9	Obsolescent				Forgings	3496		AMS4921	
TA12	Current				Ti 6Al-4V	TI-P64001		TIMETAL 6-4	Forging stock
TA13	Current		Forgings	3312					MIL-T-9047 6Al-4V
TA23	Obsolescent	Ti 2.5Cu	TI-P19001	TIMETAL 230	Forging stock	3454			
TA24	Obsolescent				Forgings	3495			
TA54	Obsolescent				Forging stock	3455			
TA55	Obsolescent				Forgings	3494			
TA26	Withdrawn	Ti 11Sn-5Zr		TIMETAL 679	Forging stock				
TA27	Withdrawn	2.2Al-1Mo-0.2Si			Forgings				
TA39	Current	Ti 4Al-4Mo- 4Sn-0.5Si-0.1C		TIMETAL 551	Forging stock				
TA41	Current				Forgings				
TA42	Current								
TA43	Obsolescent	Ti 6Al-5Zr	TI-P65001	TIMETAL 685	Forging stock	3321			
TA44	Obsolescent	0.5Mo-0.25Si			Forgings	3322			
TA47	Current	Ti 4Al-4Mo- 2Sn-0.5Si	TI-P63001	TIMETAL 550	Forging stock	3465			
TA50	Current				Forgings	3351			
TA48	Current								
TA51	Current								

THIS TABLE CARRIES NO DESIGN AUTHORISATION WHATSOEVER

SPECIFICATION AND DESCRIPTION					SIMILAR SPECIFICATIONS	
BS/DTD	STATUS	ISO ALLOY DESIGNATION	COMMON NAMES	PRODUCT FORM	PREFERRED	OTHERS
					AECMA (pr)EN	USA
B8	Withdrawn	Cu Sn10	Phosphur bronze	Castings		
B21	Withdrawn		White metal	Ingots		
B23	Current	Cu Al10 Ni5 Fe4	Aluminium bronze C63200	Rod		AMS4640
				Section		AMS4880
				Forgings		
				Forging stock		
B24	Current	Cu Sn8	Phosphur bronze	Rod		
				Section		
B25	Current	Cu Ni3 Si		Rod		
				Section		
				Forgings		
				Forging stock		
B26	Current			Rod		
				Section		
B27	Current	Cu Zn14 Al1 Ni1 Si1	TUNGUM	Tube - hydraulic		
DTD253	Obsolescent			Tube		
DTD319	Obsolescent			Rod		
B28	Current	Cu Be1.9	Beryllium copper BERYLCO 25 C17200	Strip, foil		AMS4530
B29	Current			Strip, foil		
B30	Current			Strip, foil		AMS4532
B31	Current			Strip, foil		
B32	Current			Rod, section		AMS4533
						AMS4650
B33	Current			Wire, springs		
HC502	Current	Cu Al9.5 Ni5 Fe5	Aluminium bronze C95500	Castings		
T51	Obsolescent	Cu	Copper	Tube - high pressure		

**REQUIREMENTS FOR ORDERING -AECMA Material Standards.****SBAC RECOMMENDATION**

When utilising AECMA material standards the order shall be used to further define the dimensions of the semi-finished product. Additionally the rules for Designation of semi-finished products, prEN 2600, shall be followed.

This method of designation links the material standard and the appropriate dimensional standard for the semi-finished product form. It also gives detail on the actual dimensions of the semi-finished product.

SBAC recommends that the designation shall comprise as a minimum the identity block, limited to 15 characters, as defined in clause 5.1 of prEN 2600. Method B as described in 5.1.2.3 is the recommended method of defining dimensions as this provides definition of all the main dimensions of the semi-finished product. Method A gives only dimension(s) characteristic of the cross-section of the semi-finished product.

To derive or interpret these designations the following references are required:

prEN 2600 Aerospace series - Metallic materials - Designation of semi-finished products - Rules.

TR 3970 Aerospace series - Codes for the designation of metallic semi-finished products.

- This is a technical report published by AECMA and gives the coding system for dimensions, needed for method B designation.

TR 2410 Aerospace series - Relationship between dimensional standards and metallic material standards.

- This technical report provides a list of dimensional standards and material standards to which they may apply. Additionally, as it gives the title of the dimensional standard and the material family to which it applies, it may also be used as a guide as to which dimensional standard is appropriate for a material standard not listed in the current edition of TR 2410.

prEN 4258 Aerospace series - General organization of standardization - Links between types of EN standards and their use.

- This shows the relationship between the various standards related to metallic material semi-finished products and may be found useful.

**Example of use**

Identity block for Aluminium alloy 2014A sheet to be ordered in the as-rolled condition for final use in the T62 condition to material standard EN 2088, 1,2mm thick, 1200mm wide and 2400mm long. The dimensional standard applicable to this semi-finished product is prEN 2071.

Identity block = EN2089F29AMMRNN

in which; EN 2089 is the material standard, written without the space.

F is the as-rolled supply condition code, taken from the material standard.

TS96

**APPENDIX 1 (continued)**

29 is the code for the dimensional standard EN2071 from annex A of TR 3970.

AM, MR and NN are the codes for the dimensions 1,2 , 1200 and 2000mm as given in annex B of TR 3970, in the order thickness, width and length as defined by table 2 of prEN 2600.

**Incomplete data**

The use of zeros, as 0000 or 00 is recommended in the following cases of incomplete data:

In a small number of cases an appropriate dimensional standard may not yet exist - in these cases the dimensional standard may be replaced by 0000 and tolerances of size and form shall be by agreement between supplier and purchaser.

Similarly, where one of the normally specified dimensions as in table 2 of prEN 2000 is to remain deliberately unspecified this dimension may be represented by 00.

**Limitation of liability**

The Society wishes to draw special attention to the fact that this Specification includes testing and procedures by which the Design Authority can establish whether a particular manufacturer, prima facie, has the capability to produce hardware in accordance with the appropriate drawings and related specifications.

The Society, its servants or representatives accept no responsibility for the continued quality of hardware items produced against the relevant drawings and specifications, this responsibility remaining with the user.

This Specification forms part of the voluntary standardisation programme of the Society - see Foreword in Volume 1 of this SBAC Standards Handbook.