

MMPDS-13, Chapter 3
ALUMINUM ALLOYS
TABLE OF CONTENTS

MMPDS-13 Chapter 3 - ALUMINUM ALLOYS	3-1
3.1 GENERAL.	3-1
3.1.1 ALUMINUM ALLOY INDEX	3-1
3.1.2 MATERIAL PROPERTIES	3-3
3.1.3 MANUFACTURING CONSIDERATIONS	3-41
3.1.4 Obsolete Alloys, Tempers, and Product Forms.	3-47
3.1.5. STABILIZED SPECIFICATIONS	3-49
3.2 2000 SERIES WROUGHT ALLOYS.	3-57
3.2.1 2013 ALLOY	3-57
3.2.2 2014 ALLOY	3-74
3.2.3 2017 ALLOY	3-108
3.2.4 2024 ALLOY	3-112
3.2.5 2025 ALLOY	3-196
3.2.6 2026 ALLOY	3-199
3.2.7 2027 ALLOY	3-204
3.2.8 2029 Alloy.	3-213
3.2.9 2050 ALLOY	3-222
3.2.10 2055 ALLOY	3-243
3.2.11 CLAD 2056 ALLOY	3-251
3.2.12 2090 ALLOY	3-257
3.2.13 2098 ALLOY	3-260
3.2.14 2099 ALLOY	3-270
3.2.15 2124 ALLOY	3-284
3.2.16 2195 ALLOY	3-302
3.2.17 2196 ALLOY	3-313
3.2.18 2198 ALLOY	3-318
3.2.19 2219 ALLOY	3-331
3.2.20 2395 ALLOY	3-357
3.2.21 2397 ALLOY	3-366
3.2.22 2519 ALLOY	3-374
3.2.23 2524 ALLOY	3-377
3.2.24 2618 ALLOY	3-381
3.2.25 2624 ALLOY	3-388
3.2.26 2824 ALLOY	3-398
3.3 3000 SERIES WROUGHT ALLOYS.	3-405

ALUMINUM ALLOYS

TABLE OF CONTENTS

3.4 4000 SERIES WROUGHT ALLOYS.	3-405
3.5 5000 SERIES WROUGHT ALLOYS.	3-405
3.5.1 5052 ALLOY	3-405
3.5.2 5083 ALLOY	3-417
3.5.3 5086 ALLOY	3-424
3.5.4 5454 ALLOY	3-435
3.5.5 5456 ALLOY	3-441
3.6 6000 SERIES WROUGHT ALLOYS.	3-449
3.6.1 6013 ALLOY	3-449
3.6.2 6061 ALLOY	3-452
3.6.3 6151 ALLOY	3-481
3.6.4 6156 ALLOY	3-484
3.7 7000 SERIES WROUGHT ALLOYS.	3-489
3.7.1 7010 ALLOY	3-489
3.7.2 7037 ALLOY	3-497
3.7.3 7040 ALLOY	3-506
3.7.4 7049/7149 ALLOY	3-509
3.7.5 7050 ALLOY	3-524
3.7.6 7055 ALLOY	3-576
3.7.7 7056 ALLOY	3-591
3.7.8 7065 ALLOY	3-597
3.7.9 7068 ALLOY	3-614
3.7.10 7075 ALLOY	3-621
3.7.11 7085 ALLOY	3-696
3.7.12 7099 Alloy	3-728
3.7.13 7136 ALLOY	3-749
3.7.14 7140 ALLOY	3-778
3.7.15 7150 ALLOY	3-793
3.7.16 7175 ALLOY	3-802
3.7.17 7249 ALLOY	3-817
3.7.18 7255 ALLOY	3-822
3.7.19 7349 ALLOY	3-826
3.7.20 7449 ALLOY	3-830
3.7.21 7475 ALLOY	3-846
3.8 200.0 SERIES CAST ALLOYS	3-871
3.8.1 A201.0 ALLOY	3-871
3.8.2 205/TIB2/3P ALLOY	3-881
3.8.3 A206.0 ALLOY	3-892
3.9 300.0 Series Cast Alloys	3-899

ALUMINUM ALLOYS

TABLE OF CONTENTS

3.9.1 355.0 ALLOY	3-899
3.9.2 C355.0 ALLOY.	3-902
3.9.3 356.0 ALLOY	3-904
3.9.4 A356.0 ALLOY	3-907
3.9.5 A357.0/F357.0 ALLOY	3-911
3.9.6 D357.0/E357.0 ALLOY	3-914
3.10 ELEMENT PROPERTIES	3-921
3.10.1 BEAMS	3-921
3.10.2 COLUMNS.	3-924
3.10.3 TORSION	3-926
Chapter 3- References	3-931