

FED. SUPPLY CLASS

1. PURPOSE

To provide a uniform method of physically marking titanium sheet to assure positive identification of entire sheets or small remnants.

2. MARKING FLUIDS

Marking shall be applied by means of fluids which will not rub off or fade in normal handling or when exposed to the elements; which are capable of being removed in hot alkaline cleaning solution without rubbing; and which have no deleterious effect on the material.

3. MARKING LAYOUT

Markings shall be applied by means of continuous lengthwise rows of characters not less than 3/8" high spaced not more than 1 1/2" apart.

4. COMPOSITION IDENTIFICATION

Chemical composition shall be identified by means of the composition code (see below) applied as a series of 3/8" letters enclosed within 5/8" circles recurring at intervals of not more than 3" along every other row. The composition code may alternate with other information within the same row.

5. SPECIFICATION AND MANUFACTURER IDENTIFICATION

Identification of applicable specification number and of manufacturer's name or code shall each occur regularly in every fourth row or closer at intervals of not more than 8" within its respective row. These items of information may alternate with each other or with other information within the same row.

6. HEAT NUMBER AND THICKNESS IDENTIFICATION

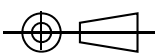
Identification of heat number and of thickness shall each occur regularly every eighth row or closer at intervals of not more than 24" within its respective row. These items of information may alternate with each other or with other information within the same row.

7. MARKING COLOR

Marking fluids may be applied in any color which provides a reasonable contrast with the surface to which it is applied except that markings for all grades of commercially pure titanium sheet shall be green.

8. COMPOSITION CODE

Composition shall be identified in terms of the principal alloying ingredients according to the following code. Corresponding AMS numbers are given for convenience but use of the code alone implies only the chemical composition and not necessarily any other provisions of the related AMS specification.

THIRD ANGLE PROJECTION 	CUSTODIAN ENGINEERING MANAGEMENT COMMITTEE	REVISION 3
PROCUREMENT SPECIFICATION NONE	TITLE IDENTIFICATION MARKING OF TITANIUM SHEET	CLASSIFICATION SPECIFICATION NAS941 SHEET 1 OF 2

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME
PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST
REVISION DATE.

FORM 12-01

REVISION DATE: MARCH 31, 2015

ISSUE DATE: SEPTEMBER 1959

TABLE I – COMPOSITION CODES

Code	Composition /a/	SAE AMS
A	Comm. Pure	4900
B	Comm. Pure	4901
C	Comm. Pure	4902
E	4Al-4FeCrMo	–
F	4Al-3Mo-1V	–
G	6Al-4V	4911
H	5Al-2.5Sn	4910
J	5Al-4FeCr	–
K	8Mn	–
M	2.5Al-16V	–
N	13V-11Cr-3Al	–

/a/ Quantities of alloying ingredients given to nearest .5%.

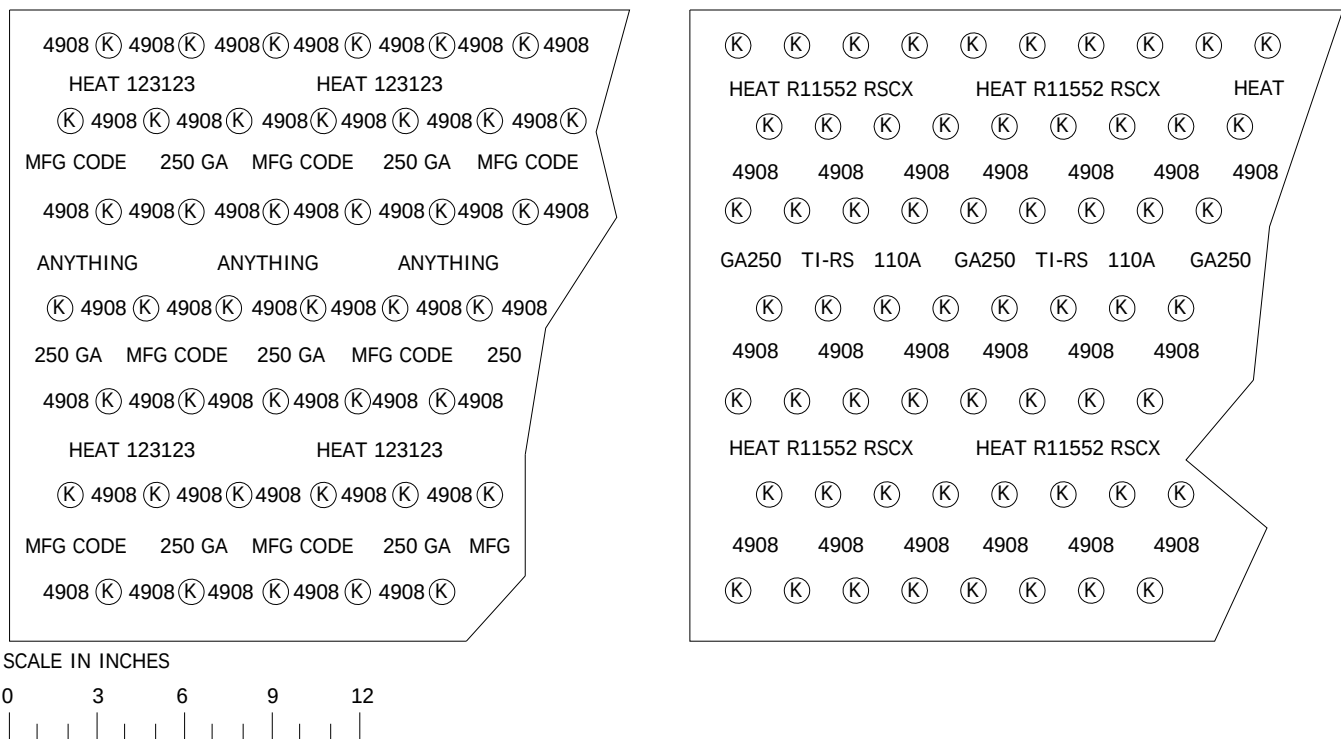


FIGURE 1 – TYPICAL EXAMPLES

REVISION
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