

Aluminium Type N System

What is the UNS alloy designation system?

As noted earlier, the UNS alloy designation system for cast aluminum alloys, as for wrought aluminum alloys, is based directly on the Aluminum Association alloy designation system.

What is a cast aluminum alloy designation system?

The cast alloy designation system is based on a 3 digit-plus decimal designation xxx.x (i.e. 356.0). The first digit (Xxx.x) indicates the principal alloying element, which has been added to the aluminum alloy (see table 2). Table 2. Cast aluminum alloy designation system

What is a wrought aluminum alloy designation system?

Table 1. Wrought aluminum alloy designation system The second single digit (xXxx), if different from 0, indicates a modification of the specific alloy, and the third and fourth digits (xxXX) are arbitrary numbers given to identify a specific alloy in the series.

What does a 0 mean in aluminum alloy designation?

For cast alloys, the Aluminum Association alloy designation is preceded by "A" followed by a "0" (zero) if there is no letter preceding the alloy designation, or by 1, 2, 3, and so on, representing the letter of the alphabet used. No period is used, as in the Aluminum Association casting alloy designation.

What is the Aluminum Association designation system?

This committee is made up of industry standards experts. Further, as noted earlier, the Aluminum Association designation system is the basis of the ANSI Standards, incorporated in ANSI H35.1 and, for the wrought alloy system at least, forms the basis for the nearly worldwide International Accord on Alloy Designations.

Should secondary fabricators know the Aluminum Association alloy & temper designation systems?

IT IS VERY USEFUL for secondary fabricators and users of aluminum products and components to have a working knowledge of the Aluminum Association alloy and temper designation systems.

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