



**ALACER MAS**

## Identification of Aluminum Alloys

### ALUMINUM ALLOY IDENTIFICATION SYSTEM

**4-digit series Composition** The letter indicates the primary treatment and/or condition The first digit indicates the secondary treatment performed to determine the properties

The digit that follows the designations H1, H2 and H3 will indicate the final degree of hardness achieved, which is identified by the minimum value of tensile strength (hardness). The following three figures after the letter H are used for all forgeable alloys. , indicates a variant of a two-digit state

**1XXX** 99% pure F: Manufacturing Raw 1: Cold rolled only (Acridity) 1:

**2XXX** Cu O: Annealed 2: Cold Rolled (Hardenedness) Partially Annealed 2: 1/4 Hard

**3XXX** Mn H: Laminated (cold deformation or acridity) 3: Cold laminated (Acridity) stabilized 4: 1/2 hard

**H111:** Applied to semi-products that after final annealing maintain a hardening due to cold deformation that prevents them from being classified as annealed (o) state.

**4XXX** Yes T: Structural hardening heat treatment 1: Treat. of temper from the temp. extrusion and mad.natural 6: 3/4 hard

**5XXX** Mg 2: Annealed (cast products only) 8: Hard

**H114:** Applies to engraved or stamped plates and bands

**6XXX** Mg + Si 3: Solid dissolution + cold deformation (Acridity) 9: Extra Hard

**7XXX** Zn + Mg 4: Solution heat treatment + natural maturation

**8XXX** Other 5: Artificial ripening only

6: Solution, tempering and artificial ripening

7: Solution, tempering and over-ripening/stabilization

8: Solution, tempering, acrimony and artificial ripening

9: Solution, tempering, artificial ripening and pungency

