

Table 3: Classification system for aluminium alloys

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) standard H 35.1

Wrought Aluminium Alloy Designation System			Cast Aluminium Alloy Designation System		
Alloy / major alloying element		Des. Nos.	Alloy / major alloying element		Des. Nos.
Aluminium \geq 99.00 %	Al	1xxx	Aluminium \geq 99.00 %	Al	1xx.x
Copper	Cu	2xxx	Copper	Cu	2xx.x
Manganese	Mn	3xxx	Silicon Si with added Cu and/or Mn		3xx.x
Silicon	Si	4xxx	Silicon	Si	4xx.x
Magnesium	Mg	5xxx	Magnesium	Mg	5xx.x
Magnesium and Silicon	Mg + Si	6xxx	Zinc	Zn	7xx.x
Zinc	Zn	7xxx	Tin	Sn	8xx.x
Other elements		8xxx	Other elements		9xx.x
Unused series		9xxx	Unused series		6xx.x