

**Table 2:** Temper designations for heat treatment of aluminium alloys

### AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

Basic temper designation	Remarks ... used for all product forms (both wrought and cast), except Ingots
F	as fabricated
O	annealed, to obtain lowest strength temper and on cast to improve ductility
H (1-3)	strain hardened (without or with post thermal treatment to reduce strength)
W	solution heat treated, ... unstable temper, ... followed by natural ageing
T1, T2	cooled from an elevated temperature shaping process, ... naturally aged
T3	solution heat treated, cold worked and naturally aged (at room temperature)
T4	solution heat treated and naturally aged (at room temperature)
T5	cooled from an elevated temperature shaping process and artificially aged
T6	solution heat treated and artificially aged with no cold working process step in between
T7	solution heat treated and over aged, ... enhanced resistance to stress corrosion cracking
T8	solution heat treated, cold worked (to improve strength) and artificially aged
T9	solution heat treated, artificially aged and cold worked (to improve strength)
T10	cooled from an elevated temperature shaping process, cold worked and artificially aged