

ALLOY NOMENCLATURE

Alloy	Main Alloying
series	constituent
1xxx	Aluminium, 99.0% minimum and greater
2xxx	Copper
3xxx	Manganese
4xxx	Silicon
5xxx	Magnesium
6xxx	Magnesium and Silicon
7xxx	Zinc, Magnesium and/ or Copper

The four-digit system of alloy nomenclature in common with the Aluminium Association uses a block number to indicate the main alloying constituents.

ALLOY DESIGNATIONS

Alloy	EN Equivalent	Previous German Equivalent
1070A	Al 99.7	Al 99.7
6063	Al MgO, 7Si	AlMgSi 0.5 F22
6063A	Al MgO, 7Si(A)	AlMgSi 0.5 F25
6463	Al MgO,7Si(B)	
6101A	Eal MgSi(A)	E-AlMgSi 0.5
6061	Al MgSiCu	
6082	Al Si1MgMn	AlMgSi 1
6005	Al SiMg	AlMgSi 0.7

TEMPERS

Temper	Description	Applications
F	As fabricated	Forging stock : Maximum formability
O	Annealed	Forging stock : Maximum formability
T4	Solution heat-treated and naturally aged	Formability with higher properties than F or O conditions
T5	Cooled from an elevated shaping process and artificially aged	Where highest mechanical properties are not required by end use (i.e. non-structural)
T6	Solution heat-treated and artificially aged	Where highest possible mechanical properties are required

Notes :

Extruded products are normally available in the tempers listed above.
Tempers other than those listed may be available upon request.