

3.4365

Material no.: 3.4365

HASCO colour code: -

Abbreviated DIN name: AlZnMgCu 1,5

Chemical analysis (%):

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
0,4	0,5	1,6	0,3	2,4	0,23	5,6	0,2

Hardness when supplied: max. 150 HB (~ 500 N/mm²)

Characteristics

Material properties:

High-strength aluminium-zinc alloy with outstanding machining properties, good polishability and good erodibility.

Uses:

Application in injection moulds for a small number of shots, e.g. prototype mould

Physical properties

Thermal expansion coefficient
(10⁻⁶·m)/(m·K)

100	200	300	400	500	600	°C
130 - 160						

Thermal conductivity W/(m·K)

20	350	700	°C
23,4			

Remarks

Polishing: Is possible

Graining: Is possible, it is advised to make a trial in advance

Nitriding: not usual

Normal working hardness: <20 HRC

3.4365

