

# Continuous Galvanizing Grade (ZnAl alloys)

## Technical Datasheet

### Uses

Pre-alloyed (lead free) Zinc-Aluminium alloys suitable for continuous galvanizing of iron and steel products.

### Chemical specification

Chemical specification*	Guaranteed analysis	Tolerance
Al	0.1 – 1.0%	± 0.05%
Pb	≤ 0.004%	
Cd	≤ 0.003%	
Fe	≤ 0.004%	
Sn	≤ 0.001%	
Cu	≤ 0.002%	
Zn	balance	

\* Extra impurity elements or control tolerance might be added based on commercial agreement

### Physical data

Physical property	Unit	Value
Density solid	kg/dm <sup>3</sup>	7.14
liquid (@ 419°C)	kg/dm <sup>3</sup>	6.62
Melting point	°C	419
Superficial tension (@ 450°C)	N/m	0.78
Melting enthalpy	kJ/kg	100
Thermal capacity solid	J/kg K	460
liquid	J/kg K	628

### Available shapes/package

Shape/package	Nominal weight (in kg)	Dimensions (in mm)
Americas		
Slab	27	416 x 210 x 59
Slab bundle (40 slabs per bundle)	1089	832 x 420 x 629
ASTM Jumbo	1089	1257 x 500 x 318

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<b>Slab Americas</b>	<b>Nominal mass 27 kg Dimensions 416 x 210 x 59</b>

<b>Slab bundle (40 slabs per bundle) Americas</b>	<b>Nominal mass 1089 kg Dimensions 832 x 420 x 629</b>

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ASTM Jumbo, 2 holes  
Americas

Nominal mass 1089 kg  
Dimensions 1257 x 500 x 318

