

# Continuous Galvanizing Grade (ZnAl alloys) Technical Datasheet

## Uses

Pre-alloyed (lead free) Zinc-Aluminum 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	≤ 0.005%	
Fe	≤ 0.005%	
Sn	≤ 0.005%	
Cu	≤ 0.005%	
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

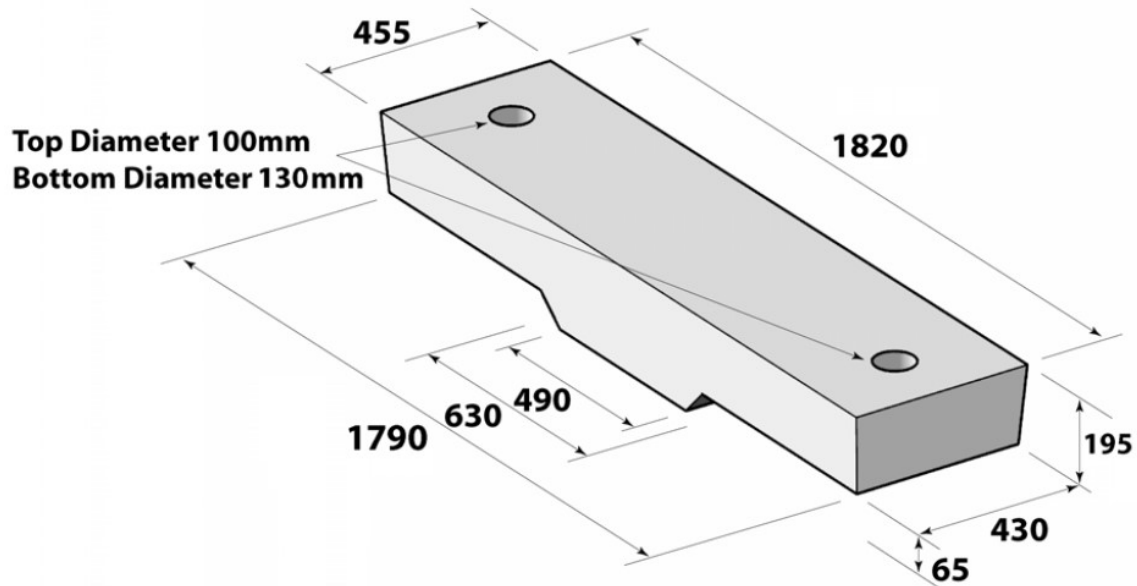
## Available shapes/package

Shape/package	Nominal weight (in kg)	Dimensions (in mm)
Australia Origin		
L block	1135 ± 45	1820 x 455 x 260
G block	1089 ± 30	1410 x 460 x 290

# Continuous Galvanizing Grade (ZnAl alloys) Technical Datasheet

L block (Jumbo), 2 holes  
Australia

Nominal mass  $1135 \pm 45\text{kg}$   
Dimensions  $1820 \times 455 \times 260$



G block (Jumbo), 2 holes  
Australia

Nominal mass  $1089 \pm 30\text{kg}$   
Dimensions  $1410 \times 460 \times 290$

