

ZnAl5 Alloy

Technical datasheet

Updated: 12/2024

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Applications		

ZnAl5 is a premixed Zn-Al alloy compatible with supplement or maintaining the optimum aluminum level in the hot-dip galvanizing batch and the continuous hot-dip galvanizing lines (CGL), commonly used for sheet, tube and fabricated steel.

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Characteristics		

Chemical composition	Value (Wt. %)
Al	4.7 – 5.3
Fe	≤ 0.020
Cu	≤ 0.030
Pb	≤ 0.010
Cd	≤ 0.003
Sn	≤ 0.001
Mg	≤ 0.020
Zn	Balance
Total others	≤ 0.01
Physical properties	Value
Density (g/cm ³) at 25°C	6.5
Melting temperature (°C)	382– 385

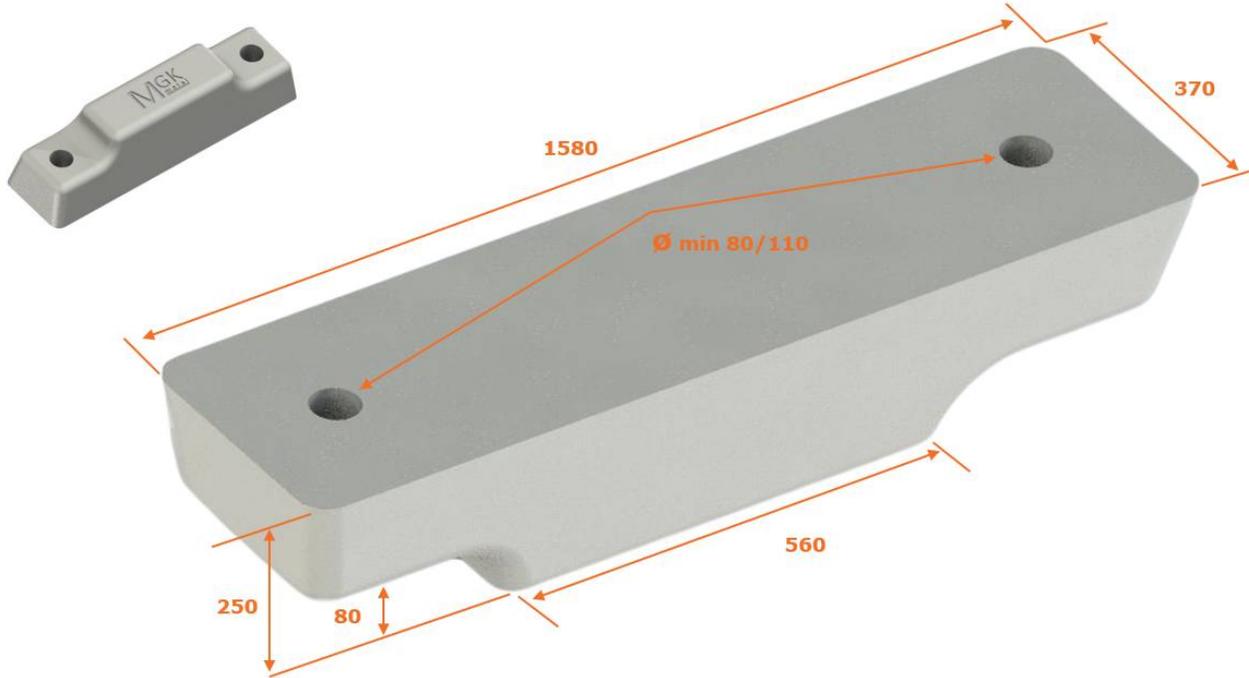
- Product can be manufactured according to customer's composition requirements
- The sampling and analyses comply strictly with ASTM E716-94 and E1251-94 Standard

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Packaging	Single	Bundle (152 ingots)
Size	Jumbo	Ingot
Net weight	500 ± 100 kg	1000 ± 100 kg
Dimensions (L x W x H)	1580 x 370 x 250 (± 20 mm)	920 x 460 x 630 (± 20 mm)
Shape	As illustrating image 1	As illustrating image 2

ZnAl5 alloy shape
 Illustrating image 1

Nominal mass: 500 kg
 Nominal dimensions: 1580 x 370 x 250 mm



ZnAl5 alloy shape
 Illustrating image 2

Nominal mass: 1000 kg
 Nominal dimensions: 920 x 460 x 630 mm

