

# Zinc Die Casting Alloys (EZDA 3 & F)

## Technical Datasheet

### Uses

Zinc Diecasting alloy EZDA -F is ideal for mass production of strong accurate thin wall components e.g. by hot chamber die casting process...

### Chemical specification

Chemical specification Guaranteed analysis (wt.%)	EZDA 3 (ZnAl4 -AS1881) ZL3/ZL0400	EZDA F (HF Alloy, ASTM B989-14)
Al	3.9 - 4.2	4.3 - 4.7
Mg	0.04 - 0.05	0.005 - 0.012
Cu	≤ 0.03	≤ 0.035
Pb	≤ 0.003	≤ 0.003
Fe	≤ 0.020	≤ 0.03
Cd	≤ 0.002	≤ 0.002
Sn	≤ 0.001	≤ 0.001
Si	≤ 0.02	
Ni	≤ 0.001	
In	≤ 0.0005	
Tl	≤ 0.001	

\* Determined arithmetically by difference

### Physical data

Physical properties	EZDA 3 (ZnAl4 -AS1881) ZL3/ZL0400	EZDA F (HF Alloy, ASTM B989-14)
Density (kg/dm <sup>3</sup> at 20°C)	6.6	6.62
Melting point °C	381-387	380~384
Solidification Shrinkage %	0.4 ~0.5	1.17
Thermal expansion (at 20-100°C) µm/m°C	27.4 x 10 <sup>-6</sup>	26.2
Heat Capacity (at 20-100°C) J/kg°C	27	403

### Standards

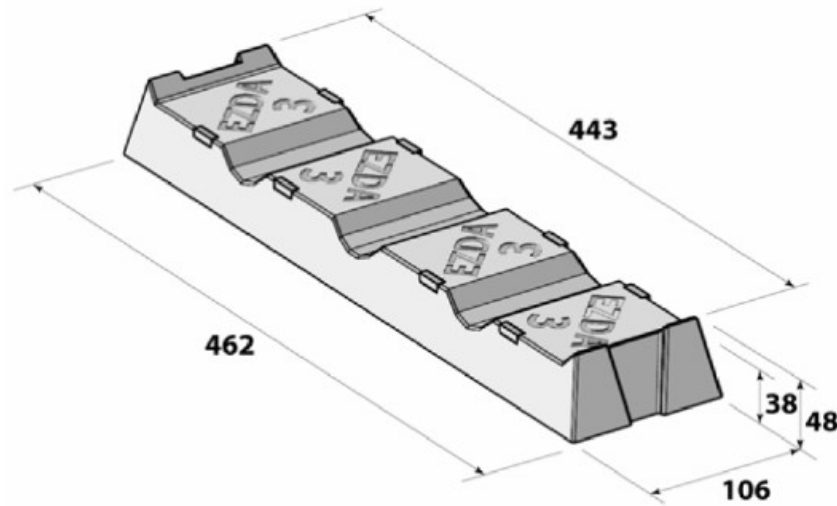
Standard	EZDA 3	EZDA F
EN1774 - 1997 ISO 301 - 2006 AS1881 - 1986 JIS H2201-2015 ASTM B240 -13 ASTM B989- 14	ZL3/ZL0400/ZnAl4 ZL3/ZL0400/ZnAl4 Zn Al 4 Zn Al 4 Alloy 3/ Z33521	HF Alloy

### Available shapes/package

Shape/package	EZDA 3	EZDA F
Ingot weight	9.4 kg	9.3 kg
Ingots per bundle	112	112
Packing	strapped bundle	strapped bundle
Bundle weight	1040 ±100 kg	1030 ±100 kg

# Zinc Die Casting Alloys (EZDA 3 & F)

## Technical Datasheet

**Slab (Ingot)****Nominal mass 9.3~9.4 kg**  
**Dimensions 462 x 106 x 48****Slab bundle (112 slabs per bundle)****Nominal mass 1030~1040 kg**  
**Dimensions 930 x 460 x 570**