

DIE CAST ALLOY EQUIVALENTS

Did you know that 90% of all finished manufactured products contain at least one metal casting? Metal castings are very important to the global economy and while each die casting manufacturer follows strict alloy standards, alloy names vary slightly across the world. So whether you're a high-tech start-up from California or an automotive OEM from China, we've created this table to help you classify international equivalents for zinc, aluminum, and magnesium die casting alloys.

International Zinc Die Cast Alloy Equivalents

| US | EUROPEAN | UK | ASIA |
|----------------------|----------------|------------------|----------------|
| Zamak 2 (ASTM B86) | ZP2 (EN12844) | ZL2 (BS EN1774) | - |
| Zamak 3 (ASTM B86) | ZP3 (EN12844) | ZL3 (BS EN1774) | ZDC2 (JIS5301) |
| Zamak 5 (ASTM B86) | ZP5 (EN12844) | ZL5 (BS EN1774) | ZDC1 (JIS5301) |
| Zamak 7 (ASTM B86) | - | ZL7 (BS EN1774) | - |
| ZA8 (ASTM B86) | ZP8 (EN12844) | ZA8 (BS EN1774) | - |
| ZA27 (ASTM B86) | ZP27 (EN12844) | ZA27 (BS EN1774) | - |
| ACuZinc5 (ASTM B894) | - | - | - |

International Aluminum Die Cast Alloy Equivalents

| US | EUROPEAN | UK | ASIA |
|-----------------|----------------------|---------------|-----------------|
| A380 (ASTM B85) | 46500 (EN1706) | LM24 (BS1490) | ADC10 (JIS5302) |
| 383 (ASTM B85) | 46000/46100 (EN1706) | LM2 (BS1490) | ADC12 (JIS5302) |
| 390 (ASTM B85) | - | - | ADC14 (JIS5302) |
| A413 (ASTM B85) | 44300 (EN1706) | LM20 (BS1490) | ADC1 (JIS5302) |
| 413 (ASTM B85) | 47100 (EN1706) | LM20 (BS1490) | ADC1 (JIS5302) |
| A360 (ASTM B85) | 43400 (EN1706) | LM9 (BS1490) | ADC3 (JIS5302) |

International Magnesium Die Cast Alloy Equivalents

| US | EUROPEAN | UK | ASIA |
|-----------------|------------------|----|-----------------|
| AZ91D (ASTMBG4) | MC21121 (EN1753) | | MDI1D (JIS2222) |