

| Aluminium cast alloys | | | | | | | | | |
|-----------------------|----------------------|----------|------------|-----------|-------------------------------|---|-------------------------|------------------------|--------------|
| Alloy Group | MATERIAL DESIGNATION | | | | | Minimum properties of separately cast specimens * | | | |
| | United Kingdom | | American | | European Standard-Provisional | Temper | 0,2% Proof Stress (Mpa) | Tensile Strength (Mpa) | Elongation % |
| | General Engineering | Aircraft | AA/ ASTM | AMS | EN-AC Number/ Symbol | | | | |
| AlSiCu | LM4-M | | 319.0F | | 45200 / AlSi5Cu3Mn | M or F | 70 | 140 | 2 |
| | LM4-TF | | 319.0-T6 | | 45201 / AlSi5Cu3Mn | TF or T6 | 200 | 230 | |
| AlSi | LM6-M | | A413-F | | 44100 / AlSi12(b) | M or F | 60 | 160 | 5 |
| AlSiCuMg | LM16-TB | | | | 45300 / AlSi5Cu1Mg | TB | 120 | 170 | 2 |
| | LM16-TF | 3L.78 | 355.0-T6 | | 45300 / AlSi5Cu1Mg | TF or T6 | 220 | 230 | |
| AlSiMg | LM25-M | | 356.0-F | | 42000 / AlSi7Mg | M or F | 80 | 130 | 2 |
| | LM25-TE | | 356.0-T5 | 4261 | 42000 / AlSi7Mg | TE or T5 | 120 | 150 | 1 |
| | LM25-TB7 | | 356.0-T7 | | 42000 / AlSi7Mg | TB7 or T7 | 80 | 160 | 2.5 |
| | LM25-TF | | 356.0-T6 | 4217/4260 | 42000 / AlSi7Mg | TF or T6 | 200 | 230 | |
| | | 2L.99 | A356.0-T6 | 4218 | 41999 / AlSi7Mg 0.3 | TF or T7 | 185 | 230 | 2 |
| | | L.174 | A356.0-T7 | | 42000 / AlSi7Mg 0.3 | TB7 or T7 | 170 | 210 | 3 |
| | | L.169 | A357.0-T61 | 4219 | 42000 / AlSi7Mg 0.6 | TF or T61 | 240 | 290 | 3 |
| | | DTD716B | | | | M or F | 85 | 125 | 2 |
| | | DTD722B | | | | TE or T5 | 130 | 145 | 1 |
| | | DTD727B | | | | TB or T4 | 110 | 165 | 2.5 |
| | | DTD735B | | | | TF or T6 | 215 | 230 | |
| AlCuNiMnSbCoTiZr | | L.119 | 203.0-T6 | 4225 | | TF or T6 | 190 | 215 | 1 |
| AlCuSi | | L.154 | 295.0-T4 | | | TB or T4 | 160 | 215 | 7 |
| | | L.155 | 295.0-T6 | 4231 | | TF or T6 | 200 | 280 | 4 |
| AlCuAgMgMnTi | | | A201.0-T7 | 4229 | | TB7 or T7 | 345 | 415 | 3 |
| AlSiCuNiFeTiMg | | 3L.51 | | | | TE or T5 | 125 | 160 | 2 |
| AlCuMgMnTi | | | A206.0-T7 | 4235 | | TB7 or T7 | 275 | 345 | 3 |

* The above mechanical properties are minimum separately cast figures. Actual casting properties are dependant on geometrical factors.

| Magnesium cast alloys | | | | | | | | | | |
|-----------------------|----------------------|----------|------------------------|----------|------|-------------------------------|---|-------------------------|------------------------|--------------|
| Alloy Group | MATERIAL DESIGNATION | | | | | | Minimum properties of separately cast specimens * | | | |
| | United Kingdom | | | American | | European Standard-Provisional | Temper | 0,2% Proof Stress (Mpa) | Tensile Strength (Mpa) | Elongation % |
| | General Engineering | Aircraft | Commercial Designation | AA/ ASTM | AMS | EN-AC Number/ Symbol | | | | |
| MgAlZn | MAG1-M | | A8 | AZ81A-F | | 21110 / MgAl8Zn1 | M or F | 85 | 140 | 2 |
| | MAG1-TB | 3L.122 | A8 | AZ81A-T4 | | 21110 / MgAl8Zn1 | TB or T4 | 80 | 200 | 7 |
| | MAG3-M | | AZ91 | AZ91C-F | | 21121 / MgAl9Zn1 (B) | M or F | 95 | 125 | |
| | MAG3-TB | 3L.124 | AZ91 | AZ91C-T4 | | 21121 / MgAl9Zn1 (B) | TB or T4 | 80 | 200 | 4 |
| | MAG3-TF | 3L.125 | AZ91 | AZ91C-T6 | 4437 | 21121 / MgAl9Zn1 (B) | TF or T6 | 120 | 200 | |
| | MAG11-M | | AZ91E | AZ91E-F | | 21120 / MgAl9Zn1 (A) | M or F | 95 | 125 | |
| | MAG1-TB | | AZ91E | AZ91E-T4 | | 21120 / MgAl9Zn1 (A) | TB or T4 | 80 | 200 | 4 |
| | MAG11-TF | | AZ91E | AZ81E-T6 | 4446 | 21120 / MgAl9Zn1 (A) | TF or T6 | 120 | 200 | |
| MgZnCu | | | ZC63 | ZC63A-T6 | | 32110/MgZn6Cu3Mn | TF or T6 | 125 | 210 | 2 |
| MgZnREZr | MAG5-TE | 2L.128 | RZ5 | ZE41A-T5 | 4439 | 65110 / MgZn4RE1Zr | TE or T5 | 135 | 200 | 3 |
| | MAG6-TE | 2L.126 | ZRE1 | EZ33A-T5 | 4442 | 65120 / MgRE3Zn2Zr | TE or T5 | 95 | 140 | 3 |
| MgREAgZr | MAG12-TF | 5035A | MSRB | | | | TF or T6 | 185 | 240 | 2 |
| | | 5055 | | QE22A-T6 | 4418 | 65210 / MgRE2Ag2Zr | TF or T6 | 175 | 240 | 2 |
| | MAG13-TF | | EQ21 | EQ21A-T6 | 4417 | 65220 / Mg RE 2 Ag 1Zr | TF or T6 | 175 | 240 | 2 |
| MgREYZr | MAG14 | | WE54 | WE54A-T6 | 4426 | 95310 / MgY5RE4Zr | TF or T6 | 165 | 240 | 2 |
| | | | WE43 | WE43A-T6 | 4427 | 95320/MgY4RE 3 Zr | TF or T6 | 170 | 220 | 2 |

* The above mechanical properties are minimum separately cast figures. Actual casting properties are dependant on geometrical factors.