"WORLD-CLASS ANODES"

# Extruded Magnesium Anodes

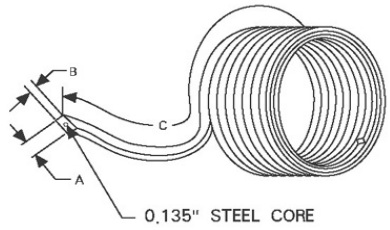
## Chemical Composition (%)

| | Mg | Al | Mn | Zn | Ca (max) | Si (max) | Cu (max) | Ni (max) | Fe (max) | Other Imp. (max) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Each | Total |
| AZ31 | Balance | 2.5-3.5 | 0.2-1.0 | 0.7-1.3 | 0.04 | 0.05 | 0.01 | 0.001 | 0.002 | 0.01 | 0.30 |
| High Potential | Balance | 0.01 max | 0.5-1.3 | - | - | - | 0.02 | 0.001 | 0.03 | 0.05 | 0.30 |

## Electrochemical Properties

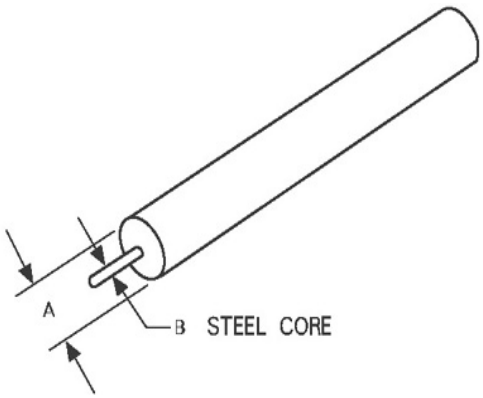
| | Open-Circuit Voltage (-V respect to Cu/CuSo4) | Closed-Circuit Voltage (-V respect to Cu/CuSo4) | Actual Capacity (A·h/lb) | Current Efficiency (%) |
|---|---|---|---|---|
| AZ31 | 1.57-1.67 | 1.47-1.57 | ≥501.7 | ≥50 |
| High Potential | 1.77-1.82 | 1.64-1.69 | ≥499.4 | ≥50 |

RIBBON




| Dimensions | | | Weight |
|---|---|---|---|
| A (in.) | B(in.) | C(ft) | (lb/ft) |
| 3/4 | 3/8 | 1,000 | 0.24 |

ROD




| Dimensions | | Weight |
|---|---|---|
| A (in.) | B(in.) | (lb/ft) |
| 0.550 | 0.079 | 0.19 |
| 0.750 | 0.135 | 0.37 |
| 0.840 | 0.135 | 0.46 |
| 1.050 | 0.135 | 0.68 |
| 1.315 | 0.135 | 1.07 |
| 1.561 | 0.188 | 1.50 |
| 2.024 | 0.188 | 2.50 |

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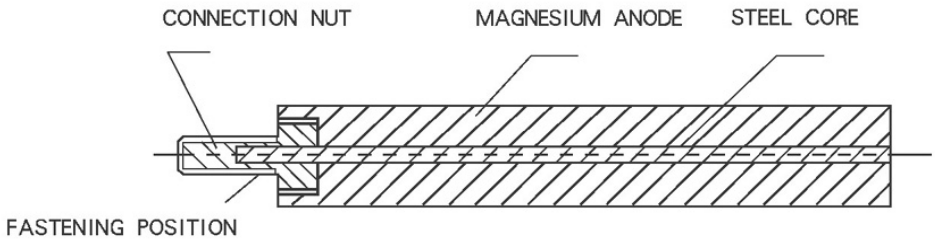
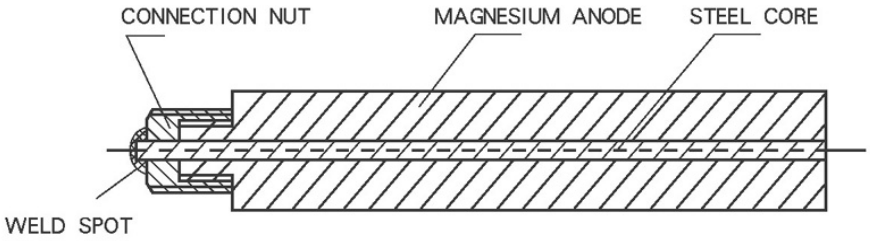
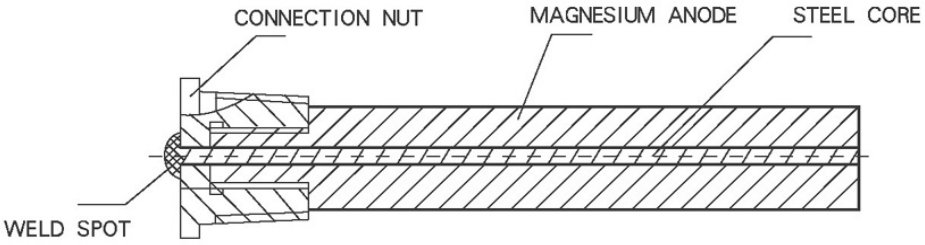
## PROCESSED PRODUCTS

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