



## Material - AFNOR NF EN 2114 1050A

### Standard Specification for Aerospace Series Aluminium Wire for Solid Rivets

Group - Non-Ferrous Aluminium Alloy

Sub Group - AFNOR NF EN 2114 Aerospace Series Aluminium Wire for Solid Rivets

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Wire

| Chemical Composition |      |             | Heat Treatment          |          |
|----------------------|------|-------------|-------------------------|----------|
| Copper               | Cu % | 0.050 max.  | As-Cast                 |          |
| Iron                 | Fe % | 0.040 max.  |                         |          |
| Magnesium            | Mg % | 0.050 max.  |                         |          |
| Manganese            | Mn % | 0.050 max.  |                         |          |
| Silicon              | Si % | 0.250 max.  |                         |          |
| Titanium             | Ti % | 0.050 max.  |                         |          |
| Zinc                 | Zn % | 0.070 max.  |                         |          |
| Other                | Ot%  | 0.030 max.  |                         |          |
| Aluminium            | Al % | 99.500 min. |                         |          |
| -                    | -    | -           |                         |          |
|                      |      |             | Mechanical Properties   |          |
| -                    | -    | -           | Tensile Strength in Mpa | 100 min. |
| -                    | -    | -           | Yield Strength in Mpa   | -        |
| -                    | -    | -           | Elongation in %         | -        |
| -                    | -    | -           | Reduction of Area in %  | -        |
| -                    | -    | -           | Hardness in HB          | -        |
| -                    | -    | -           | Impact in Joule         | -        |

| Cross Reference Table |          |                |                              |
|-----------------------|----------|----------------|------------------------------|
| Material              | Standard | Country        | Grade Belong to the Industry |
| EN 1050A              | ONORM    | Australia      | Wire                         |
| EN 1050A              | CSN      | Czech Republic | Wire                         |
| EN 1050A              | SFS      | Finland        | Wire                         |
| EN 1050A              | BS       | British        | Wire                         |
| EN 1050A              | UNE      | Spain          | Wire                         |
| Al 99.5               | ISO      | International  | Casting                      |
| EN 1050A              | UNI      | Italy          | Wire                         |

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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