



ALUMINUM PROFILE

INTRODUCTION

Bahra Aluminum produce Aluminum Rods, they are widely used in production of conductor for insulated power cables and overhead power transmission lines where the characteristics of aluminum are required.

Aluminum Rod H12 used for insulated power cables has good conductivity, light weight and excellent compatibility with most common insulation used by the wire and cable industry.

Aluminum rod H14 used in Overhead Power Transmission Lines have good conductivity, light weight excellent resistance to corrosion and excellent mechanical properties.



PRODUCTS:

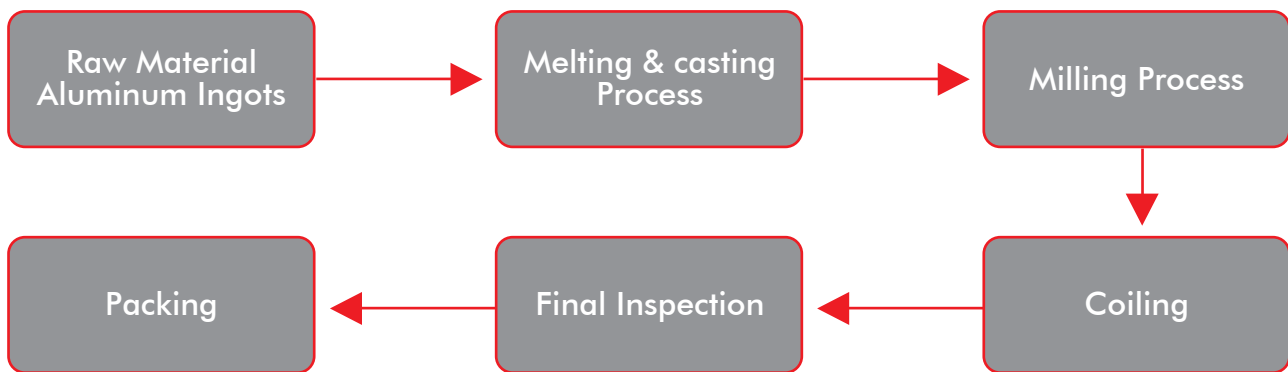
Bahra Aluminum produce 9.5 mm diameter continuously cast and rolled aluminum rod and complying with ASTM B 233

- H 14: Strain Hardened – ½ Hard
- H 12: Strain Hardened – ¼ Hard

| | Aluminum Rod - H12 | Aluminum Rod - H14 |
|----------------------------|--------------------|--------------------|
| Resistivity "ohm.mm2/m" | 0.028035 | 0.028080 |
| Conductivity "IACS" | 61.5% | 61.4% |
| Tensile Strength "Mpa" | 83-117 | 103-138 |

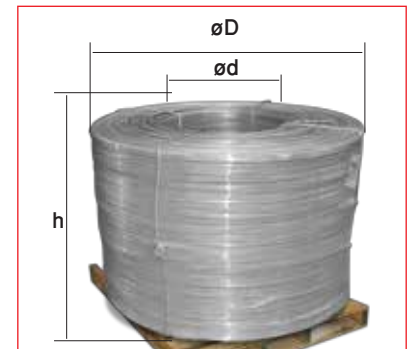


MANUFACTURING PROCESS:



PACKING:

| Packing Type | Pallet Dimensions (mm) | Dimensions (mm) | | | Net Weight (kg) |
|--------------|------------------------|-----------------|---------------|------------|-----------------|
| | | Outer Dia "D" | Inner Dia "d" | Height "h" | |
| Coil | 1100x1100 | 1280-1320 | 550 – 610 | 885-925 | 1950-2100 |



QUALITY CONTROL:

To provide high quality and timely analysis of raw materials, semi-finished and finished products and to consistently meet our clients' requirements. Key elements essential in achieving our performance objectives:

- Tests are performed in accordance with the international standards, stated methods, laboratory policies and procedures, and the clients' requirements.
- A Quality System based on the concepts of ISO 9001 is utilized.
- The effectiveness of the management system is continually improved.
- A rigorous Quality Control Program is in place to monitor the quality of test results. This program includes analysis and evaluation of internal quality control samples with every batch. (These samples include primary, duplicate samples, standard reference)
- Laboratory personnel are familiar with the Quality Policy and implement it in the workplace. They are provided with the knowledge, training, and tools necessary to perform laboratory operations and testing.
- Testing lab is fully equipped with the state-of-the-art computer controlled testing equipment which are capable to achieve the accuracy required and complying with specifications relevant to the tests concerned.
- Calibration and intermediate checks are periodically performed according to calibration procedures.



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