

## Aluminium Hot Rolled Plates Presentation



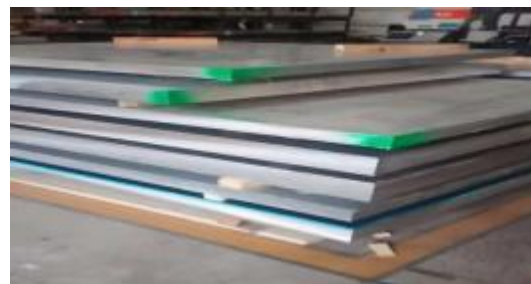
### Products Specification

Hunan hengjia Group is Aluminium alloy, Aluminium cladding material manufacturer, this presentation mainly give a us a brief introduction of Aluminium Hot Rolling plate, and Aluminium Hot Rolling precision sheet ,which are used in the area of Automobiles, shipping vessels,energy,moulding industries.



## Aluminium Hot Rolled Plates

| Typical Alloy | Typical Temper | Specifiaction (mm) |            |             |                          |
|---------------|----------------|--------------------|------------|-------------|--------------------------|
|               |                | thickness          | width      | length      | Surface                  |
| AA6061        | T6             | 12 - 45            | 200 - 1500 | 500 - 10000 | Mill finish/brushed/dark |
| AA6061        | T6             | 50- 245            | 200 - 1500 | 500 - 10000 | Mill finish/dark         |
| AA6063        | T6             | 12-45              | 200-1500   | 500 - 10000 | Mill finish/brushed/dark |
| AA6063        | T6             | 50 -245            | 200 - 1500 | 500 - 10000 | Mill finish/dark         |
| AA6082        | T6             | 12 - 45            | 200 - 1500 | 500 - 10000 | Mill finish/brushed/dark |
| AA6082        | T6             | 50-245             | 200 - 1500 | 500 - 10000 | Mill finish/dark         |
| AA5052        | H112           | 15 - 245           | 200 - 1500 | 500 - 10000 | Mill finish              |
| AA5083        | H112           | 15 - 245           | 200 - 1500 | 500 - 10000 | Mill finish              |
| AA3003        | H112           | 8 - 245            | 200 - 1500 | 500 - 10000 | Mill finish              |
| AA6061        | H112           | 8 - 245            | 200 - 1500 | 500 - 10000 | Mill finish              |
| AA6063        | H112           | 8 -245             | 200 - 1500 | 500 - 10000 | Mill finish              |



## Aluminium Hot Rolled Sheets/coils



| Typical Alloy                                                                                                  | Typical Temper                        | Specifiaction (mm) |             |            |                                                                 |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------|-------------|------------|-----------------------------------------------------------------|
|                                                                                                                |                                       | thickness          | width       | length     | Coil Notice                                                     |
| AA1100<br>AA1060<br>AA3003<br>AA3004<br><br>AA5052<br>AA6061<br>AA6063                                         | O<br>H12/22/32<br>H13/24/26<br>H16/18 | 0.06M - 3.0mm      | 12 - 1240mm | Max.3000mm | 1) Coil ID:75/150/200/300/500mm<br>2) Coil Max. Weight: 8000kgs |
| Applied Standard: GB/T3190.GB/T3880. ASTM B 209 or as per MUtual technical agreements between us and purchaser |                                       |                    |             |            |                                                                 |

## Charictrestics of Hot Rolled heavy gauge Plate AA6061/6082, Temper T6

| Alloy            | Application    | Surface             | Thickness (mm) | Tolerance (mm) | Flatness (mm/m <sup>2</sup> ) | Features                                                                                                                           |
|------------------|----------------|---------------------|----------------|----------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 6061T6<br>6082T6 | Commercial     | Brushed             | 6-55           | +/-0.075       | ≤0.3                          | Surface processing no necessary, no deformation when sawing and machining                                                          |
|                  |                | Mill finish         | 60-250         | +/-0.1         | ≤0.3                          | minor surface processing, no deformation when sawing and machining                                                                 |
|                  | High precision | Brushed mill finish | 6-20           | +/-0.05        | ≤0.3                          | Surface processing no necessary, no deformation when sawing and machining                                                          |
|                  |                |                     | 22-55          | +/-0.06        | ≤0.3                          |                                                                                                                                    |
|                  |                | Mill finish         | 60-250         | +/-0.07        | ≤0.5                          | minor surface processing, no deformation when sawing and machining                                                                 |
|                  | Super flatness | Brushed Mill finish | 6-20           | +/-0.03        | ≤0.3                          | No necessary of processing for brushed surface, minor processing for mill finish surface, no deformation when sawing and machining |

## Application comments:

AA3003: Handling and storage device for chemicals, pressure vessel and tubing, liquid transportation, tanker, curtain wall and radiator etc.

AA3004: Production and storage device for chemicals, building panel, cable and tubing etc.

AA5052/5A02: Metal sheet for marine and transportation vehicles, inner and outer siding, board of railway carriage, storage device of oil and chemical industry, equipment panel and medical machinery etc.

AA5086: Board, siding and deck of ship side and bottom, etc.

AA5083: Board, siding and deck of ship side and bottom, drilling platform, inner and outer siding, bed plate and board of railway carriage, welded parts of ship, automotive and aircraft panel, cooling device. Tower body of oxygen generator, structural parts of pressure vessel, LNG, tanker, oil storage tank and material storage tank of oil and chemical industries, mould for automotive tyre etc.

AA6061/6082: Inner and outer siding, bed plate and board of railway carriage, industrial moulding, automation mechanical parts, testing instrument, supporting plate of electronics jig and tool, equipment parts 6082 of semi-conductor etc.

AA6083: Bed plate of commercial vehicle, roof framework, transporter and transport ship.