



STEEL PLATES



Steel Plate Overview and Applications

Steel Plate, commonly referred to as **Hot Rolled A36 Steel Plate**, is a high-quality structural steel plate widely utilized across a broad spectrum of construction and industrial applications. This material is renowned for its exceptional mechanical properties and versatility, making it an ideal choice for various structural and engineering needs.

Hot Rolled A36 Steel Plate is particularly valued for its excellent forming and deep drawing capabilities, which makes it suitable for a wide array of industrial uses. This includes but is not limited to:

- **Automotive Industry:** Used in the production of body panels and automotive components, where durability and strength are crucial.
- **Appliances:** Employed in manufacturing components for household appliances such as refrigerators, washers, and dryers.
- **Building Materials:** Applied in the construction of various building materials, contributing to structural integrity and safety.
- **Electrical Components:** Utilized in the fabrication of electrical components, ensuring reliable performance and longevity.



Additionally, several other steel grades are specified for specialized applications, including:

- **SA 479M 309:** Stainless steel grade designed for high-temperature applications, offering excellent oxidation resistance.
- **SA 240M 310S:** High-temperature resistant stainless steel suitable for severe environments and thermal processing.
- **SA 240M 304:** Versatile stainless steel with good corrosion resistance, widely used in diverse industrial and commercial applications.
- **SA 351M CK20:** Alloy steel with high strength and toughness, used in demanding industrial conditions.
- **SA 240M 304H:** An enhanced version of 304 stainless steel, offering improved mechanical properties at high temperatures.
- **SA 387M Gr22Cl2:** Chromium-molybdenum alloy steel known for its strength and resistance to heat, used in pressure vessels and high-temperature service.
- **12 Cr1MoVR:** A low-alloy steel grade with high strength and resistance to high-temperature environments, commonly used in power generation and petrochemical industries.

These steel grades and plates play a crucial role in various sectors, including construction, manufacturing, and energy, providing essential material properties required for performance and durability in challenging conditions.