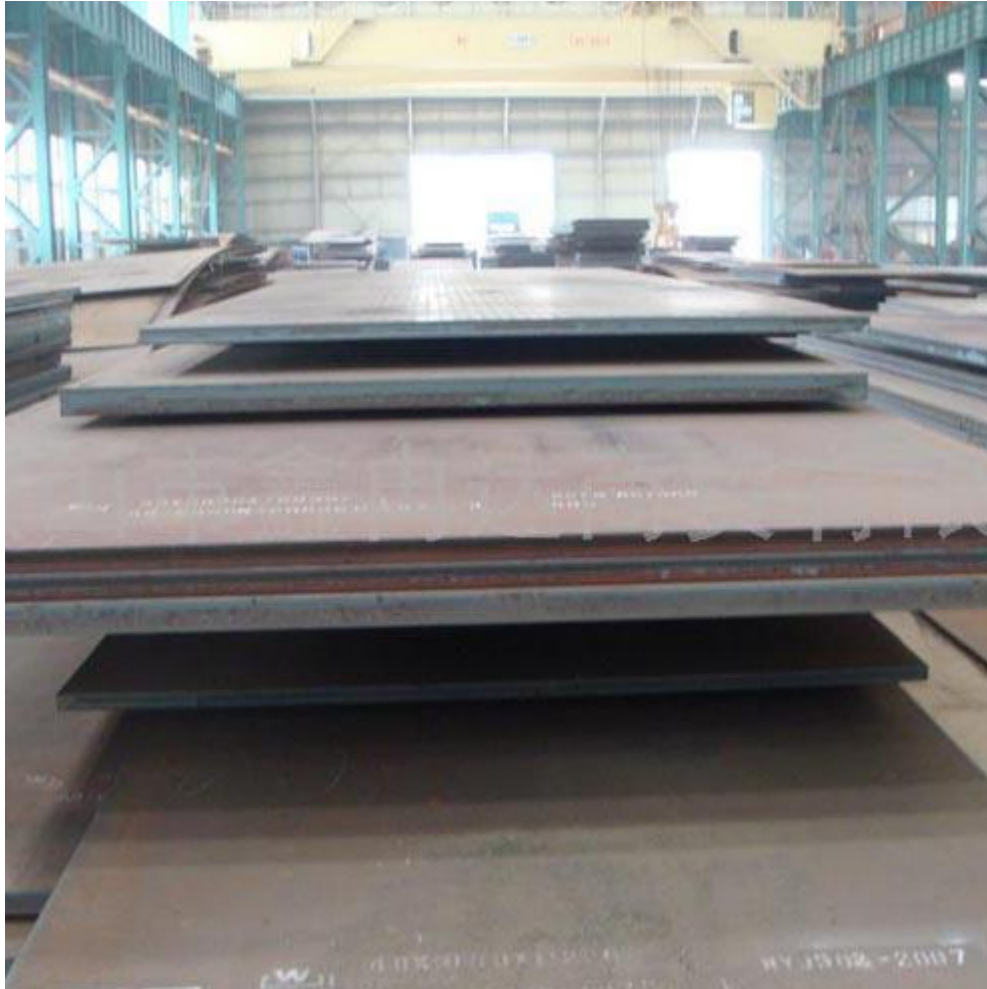


ASTMA533/A533M

ASTM A533/A533M Standard Specification for Pressure Vessel Plates, Alloy Steel, Quenched and Tempered, Manganese-Molybdenum and Manganese-Molybdenum-Nickel



ASTM A533/A533M specification covers manganese-molybdenum and manganese-molybdenum-nickel alloy steel plates for use in welded pressure vessels. The steel materials shall be killed and shall conform to the required values of fine austenitic grain and shall also be heat treated. The steel specimens shall undergo heat analysis and product analysis and shall conform to the chemical requirements for carbon, manganese, phosphorus, sulfur, silicon, molybdenum, and nickel. Tension tests shall be performed wherein the steel specimens shall conform to the required values of tensile strength, yield strength, and elongation. ASTM A533/A533M standard main steel grade: A533 GRADE A, B, C, D, CLASS 1, 2, 3

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| |
|--|
| Standard:ASTM A533/A533M |
| Grade :A533 GRADE A, B, C, D, CLASS 1, 2, 3 |
| Thickness : 8mm -260mm |
| Width : 1000mm-4000mm |
| Length : 1000mm-20000mm |
| MOQ: 1 PC |
| Product type : Steel plate |
| Delivery time : Promptly (Stock) or 10-40 days (Production) |
| Stock : Available |
| MTC: Available |
| Delivery condition: Quenched and Tempered |

| ELEMENT | COMPOSITION, % | | | |
|----------|----------------|-----------|-----------|-----------|
| | A | B | C | D |
| C, MAXA: | 0.25 | 0.25 | 0.25 | 0.25 |
| MnB: | 1.15~1.50 | 1.15~1.50 | 1.15~1.50 | 1.15~1.50 |
| | 1.07~1.62 | 1.07~1.62 | 1.07~1.62 | 1.07~1.62 |
| P, MAXA | 0.035 | 0.035 | 0.035 | 0.035 |
| S, MAXA | 0.035 | 0.035 | 0.035 | 0.035 |
| Si: | 0.15~0.40 | 0.15~0.40 | 0.15~0.40 | 0.15~0.40 |
| | 0.13~0.45 | 0.13~0.45 | 0.13~0.45 | 0.13~0.45 |
| Mo: | 0.45~0.60 | 0.45~0.60 | 0.45~0.60 | 0.45~0.60 |
| | 0.41~0.64 | 0.41~0.64 | 0.41~0.64 | 0.41~0.64 |
| Ni | ... | 0.40~0.70 | 0.70~1.00 | 0.20~0.40 |
| | ... | 0.37~0.73 | 0.67~1.03 | 0.17~0.43 |

TENSILE

| | 1 | 2 | 3 |
|-----------------------|-----------------|-----------------|------------------|
| | ksi(MPa) | ksi(MPa) | ksi(MPa) |
| TENSILE | 80-100[550~690] | 90-115[620~795] | 100-125[690~860] |
| YEILD, MIN | 50[345] | 70[485] | 83[570] |
| 2in.(50mm)EL, MIN, %A | 18 | 16 | 16 |

We are a professional ASME SA533 and ASTM A533 steel stockist and supplier. We can supply different product type and grades of ASME SA533 . If you have any need of ASME SA533 steel please do not hesitate to contact us .

ASME SA533

ASTM A533

ASME SA533 Grade A CLASS 1

ASME SA533 Grade B CLASS 1

ASME SA533 Grade D CLASS 1

ASME SA533 Grade D CLASS 2

ASTM A533 Grade A CLASS 1

ASTM A533 Grade B CLASS 1

ASTM A533 Grade D CLASS 1

ASTM A533 Grade D CLASS 2