



GB/T 3077 15CrMo alloy steel plate

As you know, GB/T 3077 15CrMo steel plate is alloy steel plate. Katalor is a professional supplier of GB/T 3077 15CrMo alloy steel plate. GB/T 3077 15CrMo alloy steel plate is a low-alloy heat-resistant steel, stronger than 12CrMo steel, with toughness slightly lower, at 500-550 °C or less, it has a higher heat resistance and oxidation resistance, and good mechanical properties, machinability and cold strain plasticity. Good weldability.

The application of GB/T 3077 15CrMo alloy steel plate:

GB/T 3077 15CrMo alloy steel plate is mainly used for the production of various caliber seamless steel pipe and sheet. Main steam pipe for steam parameters of 510 °C, 530 °C steam parameters of boiler superheater tubes, catheters and high-pressure steam header, after quenching and tempering, at room temperature can be used to manufacture a variety of important parts of the work.

GB/T 3077 15CrMo alloy steel plate chemical composition range of values:

Note: The actual chemical composition of the steel quality books to prevail.

Carbon C: 0.12 ~ 0.18

Si: 0.17 ~ 0.37

Chromium Cr: 0.80 ~ 1.10

Ni: ≤0.030

Copper Cu: ≤0.030

Mo: 0.40 ~ 0.55

Manganese Mn: 0.40 ~ 0.70

Sulfur S: ≤0.035

Phosphorus P: ≤0.035

GB/T 3077 15CrMo alloy steel plate 15CrMo mechanical properties of a range of values:

Note: The actual mechanical properties of the steel quality books to prevail.

15CrMo yield strength $\sigma_{0.2}$ (MPa): ≥295

15CrMo tensile strength: δ_b (MPa) ≥440

15CrMo elongation δ_5 : ≥22

15CrMo hardness: ≤179HB

GB/T 3077 15CrMo alloy steel plate 15CrMo heat treatment process:

Hardening: Heat 900 °C, coolant: air-cooled

Tempering: Heat 650 °C, coolant: air-cooled

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specialized in manufacturing and exporting steel and casting product. Based on the domestic rich product resources and professional research on international market, Katalor's service has already spread many countries in Europe, America, Southeast Asia, Middle East, South America, Africa, and so on.

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