



GB4237 1Cr12 MARTENSITIC stainless steel plate on sale

GB4237 1Cr12 MARTENSITIC stainless steel plate is a kind of stainless heat-resistant steel for steam turbine blades and high-stress parts. GB4237 1Cr12 MARTENSITIC stainless steel plate is composed of chemical substances such as carbon, manganese, chromium and nickel. It has high tensile strength and is usually delivered in heat treatment state. Katalor is the supplier of GB4237 1Cr12 MARTENSITIC stainless steel plate, we have GB4237 1Cr12 MARTENSITIC stainless steel plate on sale.

The application of GB4237 1Cr12 MARTENSITIC stainless steel plate:
Stainless steel 1Cr12 is a good stainless steel heat-resistant steel for steam turbine blades and high stress components.

GB4237 1Cr12 MARTENSITIC stainless steel plate chemical composition:

Element	Weight %
Fe	84.6849 — 88.4999
Cr	11.5 — 13.0
Mn	0.0 — 1.0
Ni	0.0 — 0.6
Si	0.0 — 0.5
C	0.0 — 0.15
P	0.0 — 0.035
S	0.0 — 0.03

GB4237 1Cr12 MARTENSITIC stainless steel plate Mechanical properties:

Tensile strength σ_b (MPa)	quenching and tempering, ≥ 590
Conditional yield strength $\sigma_{0.2}$ (MPa)	quenching and tempering, ≥ 390
Elongation δ_5 (%)	quenching and tempering, ≥ 25
Section shrinkage ψ (%)	quenching and tempering, ≥ 55
Impact work Akv (J)	quenching and tempering, ≥ 118
Hardness	Annealed, $\leq 200\text{HB}$; quenched and tempered, $\geq 170\text{HB}$

Cold rolled GB4237 1Cr12 MARTENSITIC stainless steel plate Specification:

Thickness	0.3-8mm
Width	600-2100mm
Length	2000-18000mm

Office Address: Room 301, Unit 6, lane 2500, xiupu Road, Kangqiao Industrial Area, Pudong New District, Shanghai



Tolerance: according to relevant standard

Surface: 2D, 2B, BA, No3, No4, polish and so on.

Hot rolled GB4237 1Cr12 MARTENSITIC stainless steel plate Specification:

Thickness	2.5-25mm
Width	1000-2100mm
Length	4000-12000mm

Tolerance: according to relevant standard

Surface: No.1

GB4237 1Cr12 MARTENSITIC stainless steel plate Heat treatment specifications and metallographic organization:

Heat treatment specifications: 1) Annealing, 800-900 ° C slow cooling or about 750 ° C rapid cooling; 2) quenching, 959 ~ 1000 ° C oil cooling; 3) tempering 700 ~ 750 ° C rapid cooling.

Metallographic organization: The tissue is characterized by martensite type.

GB4237 1Cr12 MARTENSITIC stainless steel plate Delivery status:

Generally delivered in heat treatment state, the type of heat treatment is indicated in the contract; if not specified, it is delivered in the state of no heat treatment.



Shanghai Katalor Enterprises
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Email: info@katalor.com
Tel: 0086-21-61182423



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.

Contact US:

Phone: 0086-18317160019

TEL: 0086-21-61182423

Fax: 0086-21-61182425

E-mail: info@katalor.com

Skype: shanghai.katalor

Address : Room 301, Unit 6, lane 2500, xiupu Road, Kangqiao Industrial Area, Pudong New District, Shanghai

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