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GB/T 3077 30CrMnSiA alloy steel plate on sale

GB/T 3077 30CrMnSiA alloy steel plate is a medium carbon, high strength, poor welding performance. After tempering, GB/T 3077 30CrMnSiA alloy steel plate has high strength and sufficient toughness and hardenability. Katalor is the supplier of GB/T 3077 30CrMnSiA alloy steel plate. katalor is a good choice if you are looking for GB/T 3077 30CrMnSiA alloy steel plate supplier. The bellow is the detail information of GB/T 3077 30CrMnSiA alloy steel plate katalor supplied for your reference.

The application of GB/T 3077 30CrMnSiA alloy steel plate:

After conditioning, the material can be used as a grinding wheel shaft, gear, and sprocket. GB/T 3077 30CrMnSiA alloy steel plate has good processability, small processing distortion, and very good fatigue resistance. For shafts, pistons and other parts. For cars, aircraft, a variety of special wear-resistant parts and so on.

GB/T 3077 30CrMnSiA alloy steel plate chemical composition: Carbon C: 0.28 to 0.34 Silicon Si: 0.90 to 1.20 30crmnsia round steel 30crmnsia round bar [1] Manganese Mn: 0.80 to 1.10 Sulfur S: Permissible residual content ≤ 0.025 Phosphorus P: Permissible residual content ≤ 0.025 Chrome Cr: 0.80 to 1.10 Nickel Ni: Permissible residual content ≤ 0.030 Copper Cu: Permissible residual content ≤ 0.025 [2]

GB/T 3077 30CrMnSiA alloy steel plate Mechanical properties: Tensile strength σ b (MPa): \geq 1080(110) Yield strength σ s (MPa): \geq 835 (85) Elongation δ 5 (%): \geq 10 30CrMnSiA alloy structure round steel 30CrMnSiA alloy structure round steel Section shrinkage ψ (%): \geq 45 Impact work Akv (J): \geq 39 Impact toughness value α kv (J/cm²): \geq 49(5) Hardness : \leq 229HB Specimen size: The blank size of the sample is 25mm

GB/T 3077 30CrMnSiA alloy steel plate Heat Treatment Specification and Metallographic Organization: Heat treatment specification: quenched 880°C, oil cooled; tempered 540°C, water cooled, oil

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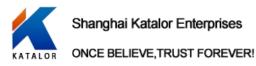
cooled.

GB/T 3077 30CrMnSiA alloy steel plate delivery status

For heat treatment (normalizing, annealing or high-temperature tempering) or for delivery without heat treatment, the delivery status shall be stated in the contract.

GB/T 3077 30CrMnSiA alloy steel plate has high strength, but it belongs to medium-carbon quenched and tempered steel and has a large hardenability, so the welding performance is very poor.

GB/T 3077 30CrMnSiA alloy steel plate has high strength and sufficient toughness after quenching and tempering, and also has good hardenability. After conditioning, GB/T 3077 30CrMnSiA alloy steel plate can be used as a grinding wheel shaft, gear, and sprocket. If you do a tool, roughing becomes a tool shape. Carbide milling cutters are used to mill the cutting edges and polished by a polishing machine. Surface roughness up to 3.2 should be no problem. GB/T 3077 30CrMnSiA alloy steel plate is darker in color and galvanized is not just for beauty, but also for rust prevention.



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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'service has already spread many countries in

Europe , America, Southeast Asia, Middle East, South America, Africa, and so on.

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