



SAE J403 SAE1010 steel work / steel structure / steel machining parts

SAE J403 SAE 1010 steel as stamping and cold forming steels. This steel has relatively low strength but it can be quenched and tempered to increase strength.

SAE1010 steel work / steel structure / steel machining parts is made from SAE 1010 steel, which widely used in Automobile components, including auto bodies, fenders, pans, transmission covers and so on .

For more information about SAE1010 steel structure , please see the following :

SAE 1010 steel work Chemical analysis -% by mass*

Chemical elements	C	Si max	Mn max	P max.	S max.
SAE 1010 steel work	0.12	--	0.60	0.045	0.045

SAE 1010 steel structure Mechanical properties

Annealing hardness HBS	Cold pull hardness HBS	Preheating temperature °C	Quenching temperature °C		Holding time min	Hardening medium	Tempering temperature °C	After tempering hardness
			salt-bath	controlled atmosphere				

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			furnace	re furnace				≥HRC
235	262	788	1191	1204	5 ~ 15	air cooling	522	60

SAE 1010 steel machining parts Technological properties

Steel plate/Sheet thickness / mm	σ_b MPa	σ_s ≥/MPa	δ Samples from the standard for 50 mm (2 in)	180 ° of cold bending test	
				longitudinal	horizontal
Hot-rolled/Cold rolling:5 - 150	520	415	16 ~ 18	2a	3.5a

we have Professional SAE1010 steel work manufacturing equipments, such as : Plasma Cutting Machine, Flame Cutting Machine, Horizontal automatic welding machine, CNC Cutting Machine, CNC drilling machine etc. Based on these equipments, we can offer SAE1010 steel Drilling, cutting, bending, welding, groove, correction, edge processing, spraying assembly service.

SAE1010 steel structure Heat treatment technology

Annealing, quenching, tempering, quenching and tempering



Shanghai Katalor Enterprises

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Shanghai Katalor has been engaged in the steel work industry for many years. We have much experience in fabricating the SAE 1008 steel work / steel structure / steel machining parts. If you have the demand for this products, please contact us.

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Shanghai Katalor Enterprises Co., Ltd located in Shanghai of China, is specialized in manufacturing and exporting steel and casting products. Based on the domestic rich product resources and professional research on the international market, Katalor's service has already spread to many countries in Europe, America, Southeast Asia, Middle East, South America, Africa, and so on.

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