



SAE J403 SAE1008 steel work / steel structure / steel machining parts

SAE1008 steel contains very low carbon so it is called low carbon steel. It is suitable for the stamping and cold forming.

We keep more than 1000 ton SAE1008 steel stock. Based on the stock, we can produce many specifications of SAE1008 steel work / steel structure / steel machining parts based on the customer's requirement.

The following datasheet will provide more details about SAE 1008 steel work .

SAE 1008 steel work chemical composition

Element	Content (%)
Iron, Fe	99.31-99.7 %
Manganese, Mn	0.30-0.50 %
Carbon, C	0.10 %
Sulfur, S	0.050 %
Phosphorous, P	0.040 %

SAE 1008 steel structure physical properties

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



Properties	Metric	Imperial
Density (composition 0.06% C, 0.38% Mn, 0.01% Si, annealed at 925°C)	7.872 g/cm ³	0.2844 lb/in ³

SAE 1008 steel spare parts mechanical properties

Properties	Metric	Imperial
Tensile strength	340 MPa	49300 psi
Yield strength (depending on temper)	285 MPa	41300 psi
Elastic modulus	190-210 Gpa	27557-30458 ksi
Bulk modulus (typical for steel)	200 GPa	29000 ksi
Shear modulus (typical for steel)	80.0 GPa	11600 ksi
Poisson's ratio	0.27-0.30	0.27-0.30
Elongation at break (in 50 mm)	20%	20%
Reduction of area	45%	45%
Hardness, Brinell	95	95
Hardness, Knoop (converted from Brinell hardness)	113	113
Hardness, Rockwell B (converted from Brinell hardness)	55	55
Hardness, Vickers (converted from Brinell hardness)	98	98

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



Machinability (based on AISI 1212 steel as 100 machinability) The machinability of group I bar, rod, and wire products can be improved by cold drawing)	55	55
---	----	----

SAE 1008 steel structure thermal properties are tabulated below.

Properties	Metric	Imperial
Thermal expansion co-efficient (@0.000-100°C/32-212°F)	12.6 µm/m°C	7 µin/in°F
Thermal conductivity (composition of 0.06% C, 0.4% Mn; 0°C)	65.2 W/mK	452 BTU in/hr.ft².°F

SAE 1008 steel work Applications

AISI 1008 low carbon steel is primarily used in extruded, cold headed, cold upset, and cold pressed parts and forms.

SAE 1008 steel machining parts Production technology

Drilling, cutting, bending, welding, groove, correction, edge processing, spraying assembly etc.

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.

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



Shanghai Katalor Enterprises

ONCE BELIEVE, TRUST FOREVER!

Email: info@katalor.com

Tel: 0086-21-61182423



Shanghai Katalor Enterprises Co., Ltd located in shanghai of china, is 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

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