

Email:info@katalor.com

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Tel:0086-21-61182423

JIS G3131 SPHC steel work / steel structure / steel machining parts

SPHC steel under standard JIS G3131 is mainly used as stamping and cold forming steels. SPHC steel is the main material for manufacturing SPHC steel work / steel structure / steel machining parts.

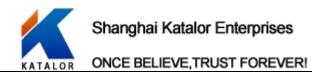
## SPHC steel work Chemical composition

Grade	The Element Max (%)					
work	С	Si	Mn	Р	S	
	≤0.15	≤0.05	≤0.60	≤0.035	≤0.035	
	Alt	Cu	Ti			
	≥0.010					

SPHC steel machining parts Mechanical properties

hardnes s	pull	Preheatin g temperatu re ℃	h	ature		Hardenin g medium	Temper temperatu re ℃	After temperin g hardnes s ≥HRC
235	262	788	1191	1204	5~15	air	522	60

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			cooling		
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SPHC steel structure Hardness and heat treatment specification

Steel plate/Sheet	MP	≥/MPa	for 50 mm (2 in)	180 ° of colc test longitudinal	
Hot-rolled/Cold rolling:5 - 150	520	415	16~18	2a	3.5a

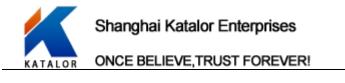
The applicable thickness for SPHC material as defined in the JIS 3131 starts from 1.2 mm to 14 mm. The width of SPHC material ranges to 2000 mm. We can supply many specifications of SPHC steel structure based on the customer's requirement.

SPHC steel structure Delivery condition

AR(As Hot Rolled), N(Normalized), T(Tempered), Q(Quenched), TMCP, Q+T(Quenched and Tempered), UT(Ultrasonic Test: ASTM A435, ASTM A578-C/B/A, EN10160-S0E1, S1E2, S2E3, S3E4), Impact Test, PWHT(Post Weld Heat Treatment), HIC, Z Test(Z15, Z25, Z35)

SPHC steel structure is usually used in automotive manufacturing, electric products, vehicles, aviation. For more information about SPHC steel structure or you want to find a SPHC steel structure exporter , 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 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.

## **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