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# EN10028-2 P265GH steel structure /steel work / steel machining parts

P265GH steel machining parts is the weldable pressure vessel and boiler steel grade which used by the world's industrial fabricators. P265GH steel machining parts is ideally suited for elevated temperature service. Like the majority of our steels, P265GH steel structure also can be subjected to a variety of stringent tests.

P265GH steel work has a wide application in the manufacture of pressure vessels, boilers and heat exchangers in the oil and gas industry. P265GH steel work is also used in chemical and pharmaceutical process plants.

#### P265GH Steel Structure Chemical Composition

Steel Grade		Chemical Composition %														
Steel	Ste el nu mb er	С	Si	Mn	P ≤	S ≤	Al tota	N	Cr	Cu	Мо	Nb	Ni	T i ≤	V	oth er
P265G H	1.0 42 5	≤0. 20	≤0 .4 0	0.8 0- 1.4 0	0. 02 5	0. 0 1 5	≥0. 020	≤0. 012	≤0 .30	≤0 .3 0	≤0 .08	≤0. 020	≤0 .30	0 3 0	≤0 .02	Cr+ Cu+ Mo +Ni



## Shanghai Katalor Enterprises

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		≤0.
		70

### P265GH Steel Work Mechanical Properties (for transverse specimens)

Steel Grade				Roor	n Tempera				
			Steel		Tensile	Impact energy KV , J			
		Gene ral delive ry condi	Thickness t	Yield strengt h ReH	Tensile strength	Elonga tion A	Min The following temperature (°C		
Steel name	Steel numb er	tions	mm	MPa min	MPa	% min	- 20	0	+ 20
P265GH	1.042	2 +N	≤16	265		22	27	34	40
			16 < t≤ 40	255	410 ~ 530				
			40 < t≤ 60	245					
			60 < t≤ 100	215					
			100 < t≤150	200	400 ~ 530				
			150 < t≤250	185	390 ~ 530				

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P265GH steel structure Specification

EN10028-2 steels are for pressure vessels with elevated temperature properties. P265GH steel structure is useful at moderate temperatures for pressure purposes. At the standard thickness it has minimum yield strength of 265 MPa. It is normalized by heating through the thickness of the plate to a temperature between 890 to 950°C without holding.

Katalor Enterprises are mainly engaged in steel structure. As the P265GH steel machining parts manufacturer, we usually keep hundreds tons P265GH steel stock each month. Based on these stock sources, our advantage has spread into steel process like: cutting (many sizes and many shapes) drilling, welding, milling. We can also provide the P265GH steel structure in machining parts and steel structure as your drawings.

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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's ervice has already spread many countries in Europe, America, Southeast Asia, Middle East, South America, Africa, and so on.

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