



## EN10028-2 P235GH steel structure / steel work / steel machining parts

Katalor Enterprises Steel is a professional steel structure exporter located in Shanghai China. As a steel structure supplier, we keep more than 30000 tons various steel product in our warehouse. And every month, we present more than 5000 tons steel as promotional product.

P235GH steel structure is a European specified steel for use in pressure vessels, boilers and heat exchangers. The composition of this steel makes it ideal for applications where elevated working temperatures are the norm and the material is used by fabricators throughout the oil, gas and petrochemical industry. P235GH steel work is a normalized carbon alloy steel and is available ex-stock from our warehouse with mill certification.

Steel Grade		Chemical Composition %														
Steel name	Steel number	C	Si	Mn	P ≤	S ≤	Al total	N	Cr	Cu	Mo	Nb	Ni	Ti ≤	V	Other
P235GH	1.0345	≤0.16	≤0.35	0.60-0.90	0.025	0.030	≥0.020	≤0.012	≤0.30	≤0.30	≤0.08	≤0.020	≤0.30	0.010	≤0.02	Cr+Cu

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				1.2	1								3		Mo
				0	5								0		+Ni
															≤0.
															70

P235GH Steel Structure Chemical Composition

Noted: The combined quantities of Chromium, Copper and Molybdenum should not exceed 0.70%

P235GH Steel Work Mechanical Properties (for transverse specimens)

Steel Grade		General delivery conditions	Steel Thickness mm	Room Temperature Tensile			Impact energy KV , J		
Steel name	Steel number			Yield strength ReH MPa min	Tensile strength MPa	Elongation A %	Min The following temperature (°C)		
P235GH	1.0345	+N	≤16	235	360 ~ 480	24	27	34	40
			16 <t≤40	225					
			40 <t≤60	215					
			60 < t≤ 100	200					

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			100 < t ≤ 150	185	350 ~ 480				
			150 < t ≤ 250	170	340 ~ 480				

P235GH Steel Machining Parts Heat Treatment: annealing, quenching, tempering, and quenching

P235GH Steel Work Process: cutting, drilling, bending, beveling, and welding

P235GH Steel Structure Machining Range (T\*W\*L): according to customer's drawings.

Shanghai Katalor Enterprises Co., Ltd is a standard company specialized in producing and exporting P235GH steel machining parts. We have our own P235GH steel structure factory and if you need the P235GH steel work, we can manufacture for you according to your drawings. If you need the competitive P235GH steel structure price, please don't hesitate to contact with our sales person.



Shanghai Katalor Enterprises

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

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