



EN10028-2 13CrMo4-5 steel structure / steel work / steel machining parts

13CrMo45 steel work is chrome molybdenum steel intended for used in the fabrication of weldable steel pressure vessels and boilers in elevated temperature service. 13CrMo45 steel machining parts has excellent performance with higher than normal temperature resistance and displays excellent anti-corrosive

Steel Grade		Chemical Composition %								
Steel name	Steel number	C	Si	Mn	P ≤	S ≤	N	Cr	Cu	Mo
13CrMo4-5	1.7335	0.08-0.18	≤0.35	0.40-1.00	0.025	0.010	≤0.012	0.70-1.15	≤0.30	0.40-0.60

properties making it suitable steel for use in sour service environments.

13CrMo4-5 Steel Structure Chemical Composition

13CrMo4-5 Steel Work Mechanical Properties (for transverse specimens)

Steel Grade	General delivery	Steel Thickness t	Room Temperature Tensile			Impact energy KV , J Min The following temperature (°C)
			Yield strength	Tensile strength	Elongation	

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Steel name	Steel number	conditions		ReH		A				
			mm	MPa min	MPa	% min	- 20	0	+ 20	
13CrMo4-5	1.7335		≤16	300	450 ~ 600	19				
			16 < t ≤ 60	290					31	
		+NT								
		60 < t ≤ 100	270	440 ~ 590				27		
		+NT or +QT	100 < t ≤ 150	255	430 ~ 580					
	+QT	150 < t ≤ 250	245	420 ~ 570			f			

13CrMo4-5 Steel Work Supplementary Technology:

HIC Test | NACE MR0175 | Z15 | Z25 | Z35 | S1 | S2 | S3 | S4.1 S5 | S6 | S7 | S8 | S9| S11 | S12 | S14 | S17

13CrMo4-5 Steel Machining Parts Heat Treatment: annealing, quenching, tempering, quenching.

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Shanghai Katalor Enterprises

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Katalor Enterprises is a big complex combined steel stockist whose business related with trade, processing, storage and transportation etc. Katalor Enterprises occupies a total area of more than 20,000 square meters workshop and 500,000 tons steel stock. We are specialized in producing and exporting 13CrMo4-5 steel structure etc.

As a professional globe steel structure supplier, we promise we can offer you the qualified 13CrMo4-5 steel structure at the competitive price and rapid delivery time. We can produce as our customer's requirement. We keep many steel stocks of 13CrMo4-5 in our warehouse. We sincerely hope you can join 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's service has already spread many countries in Europe , America, Southeast Asia, Middle East, South America, Africa, and so on.

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