



EN10028-2 X10CrMoVNb9-1 steel structure / steel work / steel machining parts

Katalor Enterprises are mainly engaged in steel structure, such as cutting, drilling, milling, turning, bending, welding etc. We have the ability to produce every kind of steel machining part. We can also offer the heat treatment service, such as annealing, normalizing, hardening, tempering, hardening and tempering, solution treatment etc.

X10CrMoVNb9-1 steel structure contains super higher chromium in heat analysis at 8.00-9.50%. Therefore, X10CrMoVNb9-1 steel structure owns special property for resistance of atmospheric corrosion and oxidization. Then X10CrMoVNb9-1 steel work is widely used for pressure vessel and boiler industry.

X10CrMoVNb9-1 Steel Structure Chemical Composition



X10CrMoVNb9-1 Steel Work Mechanical Properties (for transverse specimens)

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

Steel Grade		Chemical Composition %														
Steel name	Steel number	C	Si	Mn	P	S	Al total	N	Cr	Cu	Mo	Nb	Ni	Ti	V	Other
X10CrMoVNb9-1	1.4903	0.08-0.12	≤0.05	0.30-0.60	0.005-0.010	0.005	≤0.04	0.030-0.070	8.00-9.50	≤0.030	0.85-1.05	0.06-0.10	≤0.030	-	0.18-0.25	-



Steel name	Steel number	Condition	mm	ReH MPa min	MPa	% min	- 20	0	+ 20
			X10CrMoVNb9-1	1.4903	+NT	≤ 60	445	580 ~ 760	18
60 < t≤150	435	550 ~ 730							
150 < t≤250	435	520 ~ 700							

X10CrMoVNb9-1 steel machining parts processing equipment: Ultrasonic flaw detector, End Milling Machine, CO2 gas shielded arc welding, AC and DC welding machine etc.

X10CrMoVNb9-1 steel structure Testing equipment: Axial force tester, torque tester, Universal testing machine, Torque Tester, Magnetic detectors, Ray detection machine etc.

Katalor Enterprises, as an X10CrMoVNb9-1 steel machining parts supplier in China, we can supply X10CrMoVNb9-1 steel stock, and also provide X10CrMoVNb9-1 steel structure machining service. So if you need the price of X10CrMoVNb9-1 steel structure, you can contact katalor!

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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 products. Based on the domestic rich product resources and professional research on the international market, Katalor's service has already spread to many countries in Europe, America, Southeast Asia, Middle East, South America, Africa, and so on.

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