



## EN10028-2 12CrMoV12-10 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 many kinds of steel machining parts. We can also offer the heat treatment service, such as annealing, normalizing, hardening, and tempering, solution treatment etc. 12CrMoV12-10 steel structure is one of grade in the standard EN10028-2, which is an alloy steel with specified elevated temperature properties. 12CrMoV12-

Steel grade		Chemical composition %														
Steel name	Steel number	C	Si	Mn	P ≤	S ≤	Al total	N	Cr	Cu	Mo	Nb	Ni	Ti ≤	V	Other

10 steel machining parts are used for manufacturing boilers, pressure vessels and pipes transporting hot liquids.

### 12CrMoV12-10 Steel Structure Chemical Composition



12CrMoV12-10 Steel Work Mechanical Properties (for transverse specimens)

Steel Grade	General delivery	Steel Thickness	Yield Strength ReH	Tensile Strength	Elongation A	Impact Energy KV , J Min The following Temperature (°C)
-------------	------------------	-----------------	--------------------	------------------	--------------	---

Steel Grade		Chemical Composition %														
Steel name	Steel number	C	Si	Mn	P ≤	S ≤	Al total	N	Cr	Cu	Mo	Nb	Ni	Ti ≤	V	other
12CrMoV12-10	1.7767	0.10-0.15	≤0.15	0.30-0.60	0.010	0.010	0.010	≤0.012	2.75-3.25	≤0.25	0.90-1.10	≤0.07	0.02-0.05	0.003-0.003	0.002-0.003	≤0.0035



Steel name	Steel number	conditions	mm	MPa min	MPa	% min	- 20	0	+ 20
12CrMoV 12-10	1.776 7	+NT	≤ 60	455	600 ~ 780	18	27	34	40
			60 < t ≤ 150	435	590 ~ 770				
		+QT	150 < t ≤ 250	415	580 ~ 760				

12CrMoV12-10 Steel Machining Parts Production Method: Hot Rolled, Cold Drawing, Cold Rolling.

12CrMoV12-10 Steel Structure Machining Range (T\*W\*L): according to customer's drawings.

12CrMoV12-10 Steel Work Trading Terms: FOB, CFR, CIF and other trading term.

Katalor is the professional Chinese supplier of 12CrMoV12-10 steel structure and we also have some stock for them. If you need 12CrMoV12-10 steel works, please be free to contact us. Or you can send us your drawings; we will produce them according to your requirements.



Shanghai Katalor Enterprises

ONCE BELIEVE, TRUST FOREVER!

Email: info@katalor.com

Tel: 0086-21-61182423

---



**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.

### **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

---

**Office Address:** Room 301, Unit 6, Lane 2500, Xiupu Road, Kangqiao Industrial Area, Pudong New District, Shanghai



Shanghai Katalor Enterprises

ONCE BELIEVE, TRUST FOREVER!

Email: info@katalor.com

Tel: 0086-21-61182423

---

---

**Office Address:** Room 301, Unit 6, lane 2500, xiupu Road, Kangqiao Industrial Area, Pudong New District, Shanghai



Shanghai Katalor Enterprises

ONCE BELIEVE, TRUST FOREVER!

Email: info@katalor.com

Tel: 0086-21-61182423

---



**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.

## **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

---

**Office Address:** Room 301, Unit 6, Lane 2500, Xiupu Road, Kangqiao Industrial Area, Pudong New District, Shanghai