



## EN10149-2 S700MC steel work / steel structure / steel machining parts

S700MC steel is a high yield structural steel supplied under the standard EN10149-2. It is the main material for manufacturing the S700MC steel work / steel structure / steel machining parts.

S700MC steel work use cold formed components including cold pressed parts and sections. Typical products include S700MC steel frames, S700MC steel load bearing beams and pipework etc.

S700MC steel structure offers excellent bending and folding properties though case should be taken in ensuring that the steel is the right specification for the job.

### S700MC steel machining parts Chemical composition

Grade	The Element Max (%)					
S700MC steel machining parts	C	Si	Mn	P	S	Alt
	≤0.12	≤0.60	≤2.100	≤0.025	≤0.015	≥0.015
	B	Nb	V	Ti	Mo	
	≤0.005	≤0.09	≤0.20	≤0.22	≤0.05	

Carbon Equivalent:  $C_{eq} = \left[ C + \frac{Mn}{6} + \frac{(Cr+Mo+V)}{5} + \frac{(Ni+Cu)}{15} \right] \%$



S700MC steel structure Mechanical Properties

Grade	Tensile(Mpa)	Yield (Min Mpa)	Elonggation (min%)	Thickness (mm)
S700MC steel structure	750-950	≥700	≥10	<3.0
			≥12	≥3.0

S700MC steel structure Delivery Condition can be hot rolling, annealing, tempering, quenching + tempering etc

As a S700MC steel work exporter, we can supply the S700MC steel work / steel structure / steel machining parts according to the clients' drawings. If you need S700MC machining service or you want to find a S700MC steel structure supplier , please contact katalor !



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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