

## 工程机械用钢

Steel Plates for Machine Structural Use (单位: mm)

JIS G4051: 1979 机械结构用碳素钢  
Carbon Steel for Machine Structural Use (对钢板 For plate)

牌号 Symbol of grade	化学成分 % (熔炼分析) Chemical Composition % (Heat analysis)				
	C	Si	Mn	P ≤	S ≤
S10C	0.08~0.13	0.15~0.35	0.30~0.60	0.030	0.035
S12C	0.10~0.15				
S15C	0.13~0.18				
S17C	0.15~0.20				
S20C	0.18~0.23				
S22C	0.20~0.25		0.60~0.90		
S25C	0.22~0.28				
S28C	0.25~0.31				
S30C	0.27~0.33				
S33C	0.30~0.36				
S35C	0.32~0.38	0.15~0.35	0.030	0.035	
S38C	0.35~0.41				
S40C	0.37~0.43				
S43C	0.40~0.46				
S45C	0.42~0.48				
S48C	0.45~0.51				
S50C	0.47~0.53				
S53C	0.50~0.56				
S55C	0.52~0.58				
S58C	0.55~0.61				

备注Remarks:  
1. 作为杂质As impurities: Cu≤0.30%, Ni≤0.20%, Cr≤0.20%, Ni+Cr≤0.35%.

