

CHEMICAL COMPOSITION

Steel Grade	Old Grade	C(%)	Si(%)	Mn(%)	P(%) \leq	S(%) \leq
SS330	SS34	-	-	-	0.05	0.05

MECHANICAL PROPERTIES

Steel Grade	Yield \geq /MPa d \leq 16mm	Yield \geq /MPa d=16~40mm	Yield \geq /MPa d>40mm	Tensile Strength $\sigma_b \geq$ /Mpa	Extensibility \geq d/mm	Extensibility \geq δ (%):	Cold Bending(180°):
SS330	205	195	175	330~430	Plate、Band、Flat : \leq 5	26	r=0.5a
SS330	205	195	175	330~430	Plate、Band、Flat : 5~16	21	r=0.5a
SS330	205	195	175	330~430	Plate、Band、Flat : 16~40	26	r=0.5a
SS330	205	195	175	330~430	Plate、Band、Flat : >40	28	r=0.5a
SS330	205	195	175	330~430	Round Bar、Angle : \leq 25	25	r=0.5a
SS330	205	195	175	330~430	Round Bar、Angle : >25	30	r=0.5a

Remark:

- 1, Thickness or diameter of steel > 100mm, yield strength: SS330: 165MPa, SS400: 206MPa, SS490: 245MPa.
- 2, For steel with a thickness of more than 90 mm, for every increase in thickness by 25 mm, the elongation of the steel is less than 1, but only 3% at most.
- 3, D-thickness or diameter, r-inner radius, a-thickness or diameter.

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