

| CHEMICAL COMPOSITION | | | | | | | |
|--|---------------------------------|-----------------------------|--------------------------|---------------------------------------|-----------------------------|--------------------------------------|---------------------|
| Steel Grade | Old Grade | C(%) | Si(%) | Mn(%) | P(%) \leq | S(%) \leq | |
| SS400 | SS41 | - | - | - | 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°): |
| SS400 | 245 | 235 | 215 | 400~510 | Plate、Band、Flat : \leq 5 | 21 | r=1.5a |
| SS400 | 245 | 235 | 215 | 400~510 | Plate、Band、Flat : 5~16 | 17 | r=1.5a |
| SS400 | 245 | 235 | 215 | 400~510 | Plate、Band、Flat : 16~40 | 21 | r=1.5a |
| SS400 | 245 | 235 | 215 | 400~510 | Plate、Band、Flat : >40 | 23 | r=1.5a |
| SS400 | 245 | 235 | 215 | 400~510 | Round Bar、Angle : \leq 25 | 20 | r=1.5a |
| SS400 | 245 | 235 | 215 | 400~510 | Round Bar、Angle : >25 | 24 | r=1.5a |
| 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 diamete, r-inner radius, a-thickness or diameter. | | | | | | | |

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