



EN10149-2 S550MC steel work / steel structure / steel machining parts

S550MC steel is a kind of high yield steel under the EN10149-2 standard. S550MC steel work is a kind of structural shape with high yield strength and excellent cold forming characteristics.

S550MC steel plate Available size:

Cold-rolled sheet: Thickness: 2-5mm, Width: 1000-1500mm, Length: 3000-6000mm

Hot-rolled sheet: Thickness: 6-20mm, Width: 1500-3000mm, Length: 6000-12000mm

We keep more than 1000 ton S550MC steel in stock, so we have the ability to produce many kinds of S550MC steel work / steel structure / steel machining parts based on the customer's requirement.

For more information about S550MC steel work / steel structure / steel machining parts, please see the following details:

S550MC steel structure Chemical composition

| Grade | The Element Max (%) | | | | |
|--------------|---------------------|----|----|---|---|
| S550MC steel | C | Si | Mn | P | S |
| | | | | | |

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| | | | | | |
|-----------|--------|-------|-------|--------|--------|
| structure | ≤0.12 | ≤0.50 | ≤1.80 | ≤0.025 | ≤0.015 |
| | Alt | Nb | V | Ti | |
| | ≥0.015 | ≤0.09 | ≤0.20 | 0.15 | |

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

S550MC steel machining parts Mechanical Properties

| Grade | Tensile(Mpa) | Yield (Min Mpa) | Elonggation (min%) | Thickness (mm) |
|------------------------------------|--------------|-----------------|-----------------------|-------------------|
| S550MC steel machining parts | 600-760 | ≥550 | ≥12 | <3.0 |
| | | | ≥14 | ≥3.0 |

S550MC steel structure application:

S550MC steel structure can be used in numerous applications including car fabrication, machine parts fabrication. As the material is designed to be used in load bearing applications, care should be taken when ordering to ensure that the steel has qualities required for the job in hand.

S550MC steel work Heat treatment:

Hot forging, hot rolling, annealing, normalizing, tempering, quenching + tempering

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S550MC steel work Manufacturing equipment

Plasma Cutting Machine, Flame Cutting Machine, CNC Cutting Machine, steel structure shot blasting machine, CNC drilling machine etc.

S550MC steel structure Test equipment

Ultrasonic detector, magnetic particle detector, ray detector, digital covering thickness tester, universal testing machine etc.

S550MC steel machining parts processing service

We can offer S550MC steel machining parts processing service, such as cutting, drilling, machining, welding, or according to customers' requirements

We keep more than 1000 tons S550MC steel coil and steel sheet in our stock every month, So if you the S550MC steel work / steel structure / steel machining parts, we can produce for you in competitive price and short time. Just be free to contact our sales team to get further assistance.



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 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.

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