



EN10025-5 S355J0WP/S355J2WP steel work / steel structure / steel machining parts

EN10025-5 S355J0WP/S355J2WP steel work/steel structure/steel machining parts use in welded, bolted and riveted components which shall have enhanced resistance to atmospheric corrosion, for service at low ambient temperatures.

EN10025-5 S355J0WP/S355J2WP steel specifies requirements for flat and long products of hot rolled steels with improved atmospheric corrosion resistance.

EN10025-5 S355J0WP/S355J2WP steel work/steel structure/steel machining parts chemical composition max

|          | C    | Si   | Mn  | P         | S     | N     | Cr        | Cu        |
|----------|------|------|-----|-----------|-------|-------|-----------|-----------|
| S355J0WP | 0.15 | 0.80 | 1.1 | 0.05-0.16 | 0.040 | 0.010 | 0.25-1.35 | 0.20-0.60 |
| S355J2WP | 0.15 | 0.80 | 1.1 | 0.05-0.16 | 0.035 | ---   | 0.25-1.35 | 0.20-0.60 |

EN10025-5 S355J0WP/S355J2WP steel mechanical properties

|                       | Minimum yield strength $R_{eH}$ mpa |          |          |          |           |            | Tensile strength $R_m$ mpa |          |            |
|-----------------------|-------------------------------------|----------|----------|----------|-----------|------------|----------------------------|----------|------------|
|                       | Nominal thickness mm                |          |          |          |           |            | Nominal thickness mm       |          |            |
| S355J0WP/<br>S355J2WP | Under 16                            | 16 to 40 | 40 to 63 | 63 to 80 | 80 to 100 | 100 to 150 | Under 3                    | 3 to 100 | 100 to 150 |
|                       | 355                                 | 345      | --       | --       | --        | --         | 510-680                    | 470-630  | --         |

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EN10025-5 S355J0WP/S355J2WP steel heat treatment:

1) normalizing rolling

Rolling process in which the final deformation is carried out in a certain temperature range leading to a material condition equivalent to that obtained after normalizing so that the specified values of the mechanical properties are retained even after normalizing.

The abbreviated form of this delivery condition is +N

2) as-rolled

Delivery condition without any special rolling and/or heat treatment condition.

The abbreviated form of this delivery condition is +AR

EN10025-5 S355J0WP/S355J2WP steel work / steel structure/steel machining parts production process: cutting, drilling, welding, bend, splice, redress and so on.

Katalor is the professional steel products exporter in China, we can provide comprehensive steel grade in different standard, like ASTM / ASME / AISI / SAE / API / EN / JIS / ST / SB / ISO / DIN / NFA / BS / IS / API / EU / SEW / UNI / UNE etc. We also have advanced equipment and enterprising team, if you have any requirements about EN10025-5 S355J0WP/S355J2WP steel work / steel structure / steel machining parts, please contact us, we promise to give you satisfactory services!



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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