



YU 420J2

● YU 420J2 (高耐磨耗之麻田散鐵系鋼種)



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YU 420J2 <A High Wear-resistant Martensitic Stainless Steel>

一、產品特性

1. 高耐磨耗。

透過淬火熱處理，使 420J2 產品具有高硬度、耐磨耗之特性。

I. Product Features

1. High wear-resistance

With quenching heat treatment, the grade 420J2 stainless steel has superior hardness and high wear-resistance.

二、應用

刀具、剪刀、噴嘴。

II. Applications

Knives, scissors, and spray nozzles.

三、規範:成份及機械性質皆符合 JIS SUS420J2 之要求。

III. Specifications: Conform with the JIS SUS420J2 in chemical composition and mechanical property.

1.成份 Composition

鋼種 Grade	化學成份 Chemical Composition (wt%)	
	Cr	C
JIS SUS 420J2	12.00~14.00	0.26~0.40
YU 420J2 (代表例 Typical)	13.20	0.31

2.機械性質 Mechanical properties

鋼種 Grade	降伏強度 Yield Strength (MPa)	抗拉強度 Tensile Strength (MPa)	伸長率 Elongation (%)	硬度 Hardness (HRB)
JIS SUS 420J2	≥ 225	≥ 540	≥ 18	≤ 99
YU 420J2 (代表例 Typical)	393	640	26	89

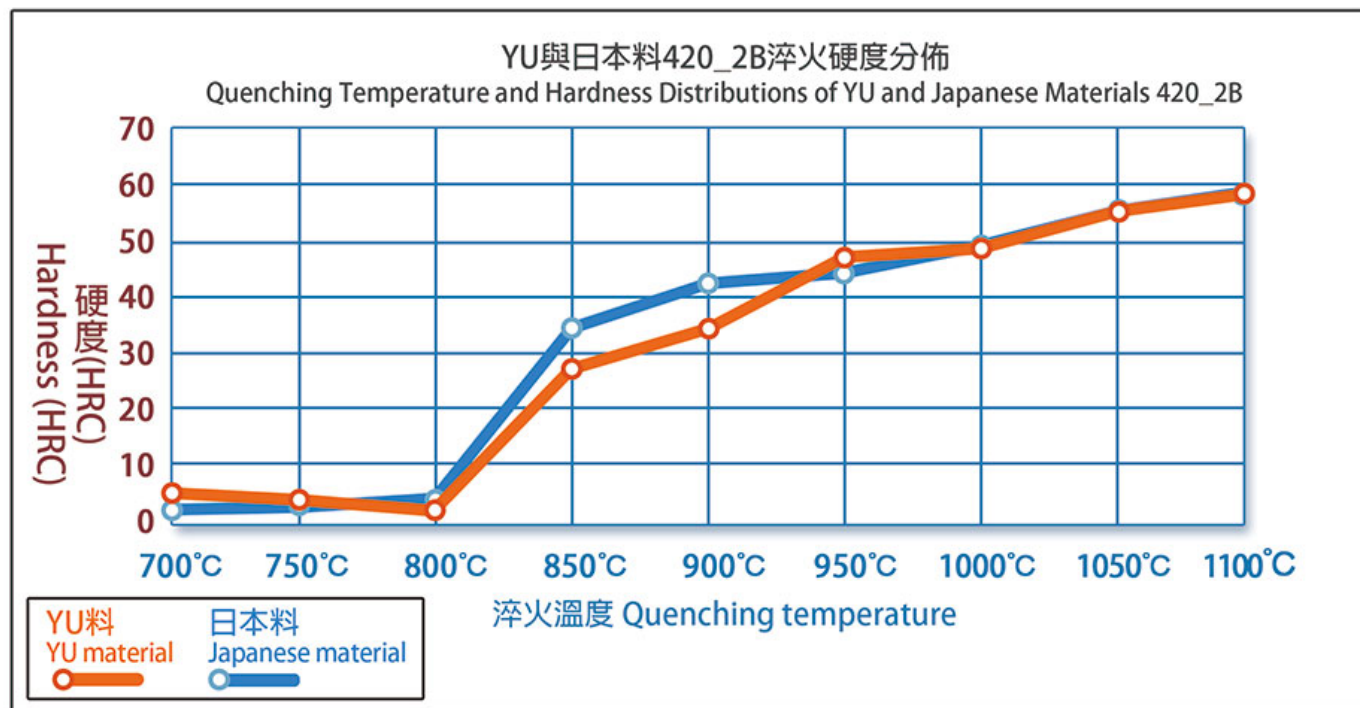
四、物理性質

IV. Physical Properties

鋼種 Grade	密度 Density (g/cm ³)	熱膨脹係數 Thermal Expansion Coefficient (10 ⁻⁶ /°C)	熱導率 Heat Conductivity (W/m · °C)
		0~600°C	20°C
420J2	7.7	12.1	30.0

五、耐蝕性

V. Corrosion Resistance



燐聯料與日本料在各熱處理溫度下，硬度相近。

YU material and Japanese material have similar hardness under various heat treatment temperatures.

六、可接單尺寸及表面品級

請與燐聯業務人員接洽。

VI. Available dimensions and surface finish

Please contact the sales representative of Yieh United Steel Corp.



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