

Steel Grade: WTSt37-2(S235J0W) | Material No: 1.8960

**CHEMICAL COMPOSITION**

C(%) ≤	Si(%) ≤	Mn(%) ≤	P(%) ≤	S(%) ≤	Cr(%)	Ni(%)	N(%)	Cu(%)	Other(%)
≤0.13	0.10~0.40	0.20~0.50	0.05	0.035	0.50~0.80	(≤0.65)	-	0.30~0.50	N≤0.009

**MECHANICAL PROPERTIES**

Tensile Strength   σ <sub>b</sub> /Mpa	Yield Strength   σ <sub>s</sub> ≥ Mpa		Yield Strength   σ <sub>s</sub> ≥ Mpa	Extensibility   δ <sub>5</sub> ≥ % (≤ 150mm)	Flexural Center Dia Cold-bend Test	
	16-40mm	40-60mm			180°C/L	180°C/T
360~440	225	215	(≤16mm)235	25	1a	1a

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