

Steel Grade: QStE500N/S500NC | Material No: 1.0985

CHEMICAL COMPOSITION

C(%) ≤	Si(%) ≤	Mn(%) ≤	P(%) ≤	S(%) ≤	Ti(%) ≤	V(%)	Other(%)
0.22③	0.5	1.7	0.02	0.015	0.22	—	Al ≤ 0.015%, Nb ≤ 0.09%

MECHANICAL PROPERTIES

Tensile Strength $\sigma_b(T)/\text{Mpa}$	Yield Strength $\sigma_s(T)/\text{MPa} \geq$	Extensibility $\delta_5(T)(\%) \geq$	Ballistic AKV/J(-20°C) \geq	Flexural Center Dia Cold-bend Test(180°C/T)	Annealing/°C⑨	Normalizing/°C⑩
580~730	500	19	28	d=1.0a	530~580	920~950

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