

High Yield steel plate DIN 17102 T St E 460 steel plate

TSt E 460 steel plate, DIN 17102 TSt E 460 steel plate, under DIN 17102 standard, we can regard TSt E 460 steel plate as High Yield steel plate

TSt E 460 steel plate is one of the mainly High Yield steel, Steel sheet TSt E 460 Boiler steel plates TSt E 460 tensile strength is at 570_720 Mpa for thickness belows 60mm,even maximum 730 Mpa is OK for the product thicknesses up to 16 millimeters P460NH Chemical composition cast analysis

TSt E 460 Chemical composition cast analysis

Element		P460NL1	Element	P460NL1
Carbon (C)	max.	0.20	Silicon (Si) max.	0.60
Manganese (Mn)		1.10 to 1.70	Phosphorous (P) max.	0.025
Sulphur (S)	max.	0.015	Chromium (Cr) min.	0.30
Molybdenum (Mo)	max.	0.10	Nickel (Ni) max.	0.80
Niobium (Nb)	max.	0.05	Titanium (Ti) max.	0.03
Vanadium (V)	max.	0.20	Nitrogen (N) max.	0.025
Aluminium (Al)	max.	0.020	Copper (Cu) max.	0.70

Mechanical Properties of TSt E 460

Grade	Type	Thickness (mm)	Yield Strength MPa (min)	Tensile Strength MPa	Elongation % (min)
TSt E 460	Normalized	≤ 16	460	570 to 750	17
		16> to ≤40	445	570 to 720	17
		40> to ≤60	430	570 to 720	17
		60> to ≤100	400	540 to 710	17
		100> to ≤150	—	—	17

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