

[EN 10028-3 P 460 NL1 steel plate/sheet](#) for High Yield Steel

Key words: [P 460 NL1 steel plate/sheet](#), EN 10028-3 P 460 NL1 steel plate/sheet, EN 10028-3 P 460 NL1 steel plate/sheet supplier/Chinese supplier, P 460 NL1 steel plate/sheet price, P 460 NL1 steel plate/sheet mechanical property.

[EN 10028-3 P 460 NL1 steel](#) equivalent grade:

P 460 NL1 steel plate/sheet is in EN 10028-3 standard, the equivalent material of P 460 NL1 steel is DIN 17102 T St E 460.

[EN 10028-3 P 460 NL1 steel chemical composition](#) %:

Main chemical composition in EN 10028-3 P 460 NL1 steel is carbon max 0.2, silicon max 0.60, manganese max 1.70, phosphorus max 0.025, Sulphur max 0.015, chromium max 0.30. More detailed information about P 460 NL1 steel, please refer to the down table:

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

EN 10028-3 P 460 NL1 steel mechanical property:

P460 NL1 steel plate is one of the mainly High Yield steel, Steel sheet P460 NL1 Boiler steel plates P460NL1 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.

Grade	Type	Thickness (mm)	Yield Strength MPa (min)	Tensile Strength MPa	Elongation % (min)
P460 NL1	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

ICE steel is the professional Chinese steel exporter, especially in fin-grain structural steel. We keep 10000 tons ex-stock in our warehouse, and the MTC and sample of EN 10028-3 P 460 NL1 steel are available, so if need, welcome to contact ICE steel sales team.

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