

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

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

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

P 460 N steel plate/sheet is in EN 10028-3 standard, the equivalent material of P 460 N steel are DIN 17102 St E 460, NFA 36201 E 460 R, BS 4360 55 C, EE, JIS 3101 (3106) SM 570.

		Comparison of steel grades	
		DIN 17102	St E 460
P 460 N EN 10028-3		NFA 36201	E 460 R
		BS 4360	55 C, EE
		JIS 3101	(3106) SM 570

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

Main chemical composition in EN 10028-3 P 460 N steel is carbon max 0.2, silicon max 0.60, manganese max 1.1-1.70, phosphorus max 0.025-0.02, Sulphur max 0.015-0.01, chromium max 0.30. More detailed information about P 460 N steel, please refer to the down table:

	P460
C	0.2
Mn	1.1 – 1.7
Si	0.6
P	0.025 – 0.02
S	0.015 – 0.01
Al	0.2
N	0.025
Nb	0.05
V	0.2
Ti	0.03
Cu	0.7
Cr	0.3
Ni	0.8
Mo	0.1

EN 10028-3 P 460 N steel mechanical property:

P460 N steel plate steel plate is one of the mainly High Yield steel,P460Nis used in High Yield steel, High temperature structural steel

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of the German standard number, widely used in petroleum, chemical, power plants, boilers and other industries for the production of reactors, heat exchang, separators, tank, gas cans, gas cans, nuclear reactor pressure vessel , Boiler drum, liquefied petroleum gas bottles, high-pressure water station, other equipment and components and spiral case.

	Thickness (mm)	P460
Tensile Strength (MPa)	≤ 16mm	460
	16 – ≤ 40	445
	40 – ≤ 60	430
	60 – ≤ 100	400
	100 – ≤ 150	–
	150 – ≤ 250	–
	Yield Strength (MPa)	≤ 16mm
16 – ≤ 40		570 – 720
40 – ≤ 0		570 – 720
60 – ≤ 100		540 – 710
100 – ≤ 150		–
Elongation after fracture (% min)	150 – ≤ 250	–
	≤ 60	17
	60 – ≤ 250	

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 N steel are available, so if need, welcome to contact ICE steel sales team.

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