

low alloy steel Europe standard P460 N steel plate

P460 N steel plate, Europe standard P460 N steel plate, under Europe standard, we can regard P460 N steel plate as High Yield steel plate

P460 N steel plate steel plate is one of the mainly High Yield steel,P460Nis used in High Yield steel , High temperature structural steel of the German standard number, widely used in petroleum, chemical, power plants, boilers and other industries for the production of reactors, heat exchange, 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.

Mechanical Properties

	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	570 – 720
	16 – ≤ 40	570 – 720
	40 – ≤ 0	570 – 720
	60 – ≤ 100	540 – 710
	100 – ≤ 150	–
	150 – ≤ 250	–
Elongation after fracture (% min)	≤ 60	17
	60 – ≤ 250	

Chemical Properties

	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

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Ti	0.03
Cu	0.7
Cr	0.3
Ni	0.8
Mo	0.1

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