

# P460NL2 ACC. TO DIN EN 10028-3

We keep the following steel grade in stock:

**P460NL2 acc. to DIN EN 10028-3 Mat.no. 1.8918**

P460NL2 is a weldable, fine grained, normalized steel for boiler and pressure vessels, with high yield strength combined with toughness to save weight in use.

Delivery with certificate 3.2 acc. to DIN EN 10204

## Chemical composition (heat analysis %)

Grade	C max.	Si max.	Mn	P max.	S max.	Al min.	Cr max.	Mo max.	Cu max.	Ni max.	V max.	Nb max.	Ti max.	N max.	Nb+Ti +V
P460NL2	0,20	0,60	1,10 - 1,70	0,020	0,005	0,020	0,30	0,10	0,70	0,80	0,20	0,05	0,03	0,025	0,22

## Mechanical properties in delivery condition:

Tensile testing on transverse specimens at room temperature.

Grade	R <sub>m</sub> (MPa)					R <sub>eH</sub> (MPa) min.						A <sub>5</sub> (% min.)	
	≤ 16	> 16 ≤ 60	> 60 ≤ 100	> 100 ≤ 150	> 150 ≤ 250	≤ 16	> 16 ≤ 40	> 40 ≤ 60	> 60 ≤ 100	> 100 ≤ 150	> 150 ≤ 250	≤ 100	> 100
P460NL2	570 - 730	570 - 720	540 - 710	520 - 690	510 - 690	460	445	430	400	380	370	16	16

Impact test on charpy-V. Values min. 27 Joule at - 50° C - transverse test

## Thickness/dimensions

Thickness: 8 - 150 mm /dimensions: up to 3,000 x 12,000 mm. You get these plates with our special ANCOFER-Service. Please contact our sales department flame cut parts.

ANCOFER is certificated in conformity to DIN EN ISO 9001, to DIN EN 1090 and to DIN EN ISO 50001.

**ANCOFER STAHLHANDEL**

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**UNSER WORT IST STAHL.**

Competent and prompt response,  
from enquiry to delivery