

# S460NL ACC.TO DIN EN 10025-3

We keep the following steel grade stock:

**S460NL acc. to DIN EN 10025-3 Mat.no. 1.8903**

S460NL is a weldable, normalized steel for steel constructions, with high yield strength combined with high toughness to save weight in use.

Delivery with certificate 3.1 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.	N max.	Nb	Ti
S460NL	0,20	0,60	1,00 - 1,70	0,025	0,020	0,020	0,30	0,10	0,55	0,80	0,20	0,025	0,05	0,05

## 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.)	
	≤ 100	> 100 ≤ 200	> 200 ≤ 250	≤ 16	> 16 ≤ 40	> 40 ≤ 63	> 63 ≤ 80	> 80 ≤ 100	> 100 ≤ 150	> 150 ≤ 200	> 200 ≤ 250	≤ 200	> 200 ≤ 250
S460NL	540 - 720	530 - 700	510 - 630	460	440	430	410	400	380	370	370	17	16

	impact values (KV)		carbon equivalent values (CEV)	
		- 50 °C		
longitudinal	27 Joule		≤ 63 mm	0,53
transverse	16 Joule	- 50 °C	≥ 63 ≤ 100 mm	0,54
			> 100 ≤ 250 mm	0,55

## Thickness/dimensions

Thickness: 3 - 200 mm /dimensions: up to 3,000 x 12,000 mm. You get these plates with our special ANCOFER-Service. Please contact our sales department heavy plate.

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