

## S460NL acc. to DIN EN 10 025-3

We keep the following steel grade in stock:

### S460NL acc. to DIN EN 10 025-3 Mat.no. 1.8903

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

Delivery with certificate 3.1 to DIN EN 10 204.

### 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)						A <sub>5</sub> (% min.)
Thickness mm	≤ 100	> 100	≤ 16	> 16	≤ 40	> 63	> 80	> 100	
		≤ 200	≤ 40	≤ 40	≤ 63	≤ 80	≤ 100	≤ 150	
S460NL	550 - 720	530 - 700	460	440	430	410	400	380	17

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

### 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 plates.

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..... Ancofer is certificated in  
conformity to DIN EN ISO 9001:2008