

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, normalised 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.

Chemicale 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 _m (MPa)		R _{eH} (MPa) min.						A ₅ (% min.)
Thickness mm	≤ 100	> 100 ≤ 200	≤ 16	> 16 ≤ 40	> 40 ≤ 63	> 63 ≤ 80	> 80 ≤ 100	> 100 ≤ 150	
S460NL	550 - 720	530 - 700	460	440	430	410	400	380	17

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

ANCOFER is certificated in conformity to DIN EN ISO 9001:2015, to DIN EN 1090 and to DIN EN ISO 50001:2011



WWW.ANCOFER.DE

Competent and prompt
response, from enquiry
to delivery

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