

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 _m (MPa)			R _{eH} (MPa) min.								A ₅ (% 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: 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