

314 / 1.4841

1.4841 is a heat resistant steel which has its origins in 1.4828, but which is much more stable at high temperatures due to its higher chromium and nickel content to oxidation. This steel is characterized by its good mechanical properties at high temperatures and is therefore particularly suitable where great value is placed on good mechanical properties at high temperatures. This quality is also characterized by an excellent chemical resistance at temperatures up to 1,100 ° C.

Gehe zu



Material Data Sheet

Material Designation	1.4841
AISI/SAE	314 / 314L
EN Material Symbol	X15CrNiSi25-20
UNS	S 31400
Registered Trademark	Cronifer®2520
AFNOR	Z 15 CNS 25-20
Norm	DIN EN 10095, SEW 470

Main fields of application of 1.4841

1.4841 is mainly used in the fields of industrial furnaces, incinerators, heat treatment plants and petrochemical industry.

Chemical composition of 1.4841

C	Si	Mn	P	S	Cr	Ni
≤ %	≤ %	≤ %	≤ %	≤ %	%	%
0.2	1,5-2,5	2,0	0,045	0,03	24,0-26,0	19,0-22,0

Characteristics of 1.4841

Temperature Range	Density kg/dm ³	Hardness HB
Heat resistance on air up to 1150°C	7.9	≤ 223

Filler metal (for welding with 1.4841)

1.4842

Delivery program

Sheets / Plates mm

2 - 25

Material Outlet by Hempel

ECONOXX.com offers buyers a new and uncomplicated procurement channel, which also includes small quantities and materials in special alloys at favourable conditions.

Contact us



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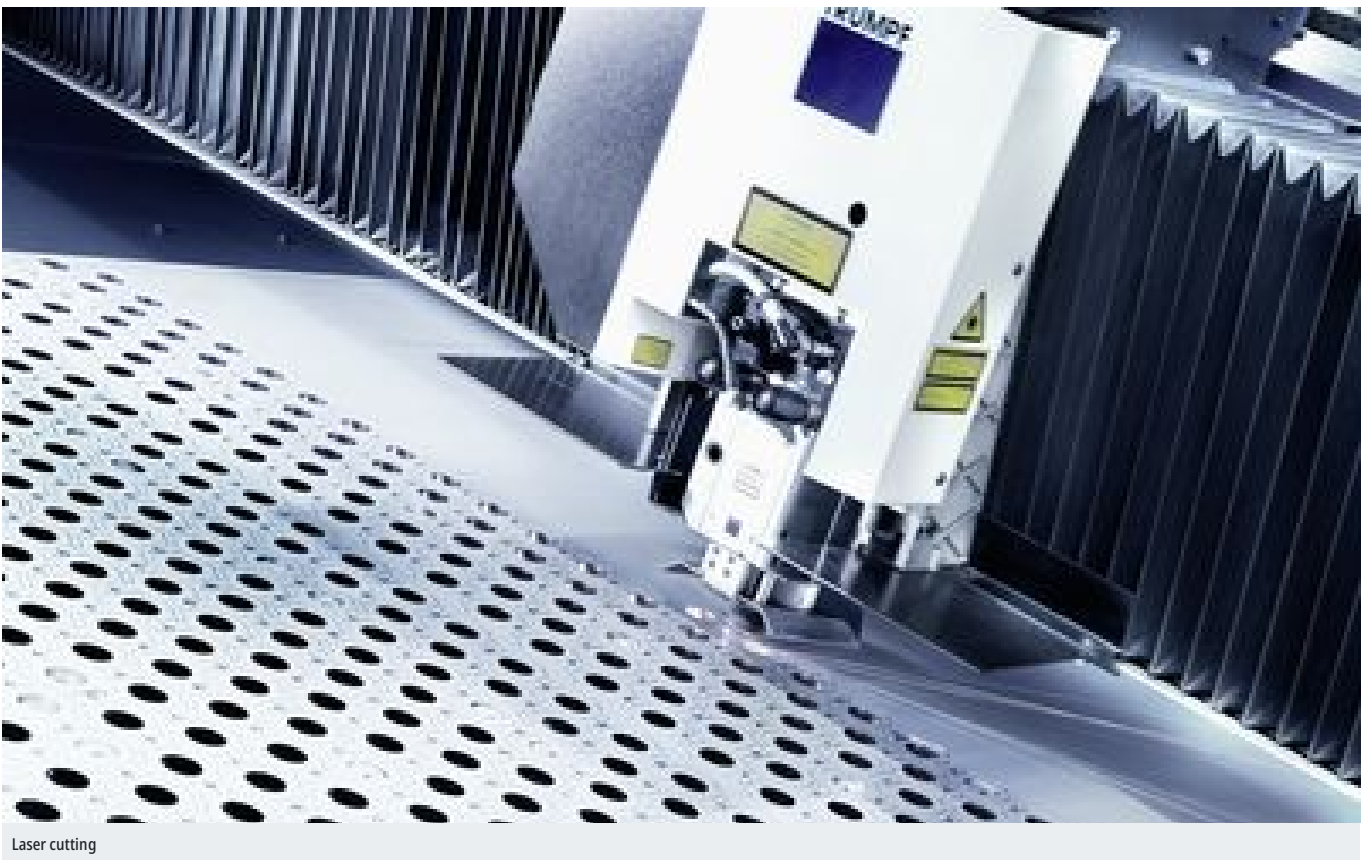


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