



Grade	Code	AISI	Austenitic Stainless Steel
1.4841	X15CrNiSi25-21	314	

Steel Properties

The 1.4841 is a heat-resistant, austenitic chromium-nickel steel. 1.4841 is chemically resistant up to approx. 1100°C, has a medium corrosion resistance and due to the higher chromium and Nickel content has a good heat resistance. 1.4841 impresses with its good strength and mechanical properties at high temperatures.

Chemical Composition (1.4841)

C	P	Si	Mn	S	Cr	Mo	Ni	V	W
0,20 max.	0,045 max.	1,50 – 2,50	2,00 max.	0,015 max.	24,00 – 26,00	-	19,00 – 22,00	-	-

Mechanical Properties

Rp0.2, Mpa	Rm, Mpa	Elongation [%]	Hardness [HB]
≥ 230	550 – 750	≥ 28	< 223

Suitable For

AISI 314 is mainly used in apparatus construction for high temperature applications, in the chemical industry, in mechanical engineering, in the oil industry, in furnace construction as well as in the cement chain industry.

Remarks

Specification

AISI 314, 1.4841, X15CrNiSi25-21