

1.4841 / X15CrNiSi25-21

**Chemical analysis:**

C	Si	Cr	Ni							
≤ %	≤ %	≤ %	≤ %							
0,20	1,50-2,50	24,0-26,0	19,0-22,0							

Comparison of norms:

material number	EN	AISI	BS	AFNOR	JIS
1.4841	X15CrNiSi25-21	314	314S25	Z15CNS25-20	SUH310

Products:

plates	strip / foil	profiles	tubes	cut-to-size	fittings	drawing profiles	discs / rings	bars	hollow bars	forgings	tear plates
X	X	X	X	X	X	X	X	X		X	

Description:

- good strength properties at high temperatures
- excellent chemical resistance at temperatures up to 1100 °C
- scale resistant in air up to about 1120 °C
- exhibits good malleability and weldability
- average machinability
- suitable for cold forming and cold heading, as well as hammer and die forging
- cannot be magnetized
- poor resistance to oxidizing and reducing sulphur-containing gases
- medium resistance to carburizing and nitrogen-containing, oxygen-depleted gases
- weldable with all common welding processes
- strong strain hardening
- poor thermal conductivity

Fields of application:

- furnace construction
- engineering
- automotive engineering
- chemical industry
- apparatus engineering for high temperature applications
- oil industry
- cement industry