

1.4841 (AISI 314)

1.4841 is used in the quenched and tempered condition in a host of constructional and fastener applications where moderate corrosion resistance is required.

EN 10095 1.4841
X15CrNiSi25-21
AISI 314
DIN 17440 1.4841

Cr	Mn	Si	C	P	S	Fe	Ni
24,0 – 26,0	Max 0,02	1,5 – 3,0	Max 0,02	max 0,045	max 0,015	Balance	19,0 -22,0

density (gr/cm³) 7,90
 electrical resistivity at 20 °C (Ω mm² /m) 0.90
 magnetizability no
 thermal conductivity at 20 °C (W/m K) 15
 pecific heat capacity at 20 °C (J/kg K) 500
 thermal expansion (K-1)
 20 – 200 °C 15,5
 20 – 400 °C 17,0
 20 – 600 °C 17,5
 20 – 800 °C 18,0
 20 – 1000 °C 19,0
 20 – 1200 °C 19,5

	Yield Strength (Mpa) (20 C)	Tensile Strength (Mpa) (20 C)	Elongation A5 (%)	Hardness HB max
Annealed	230 - 270	550 - 750	30	223